

Measurement Report

Company

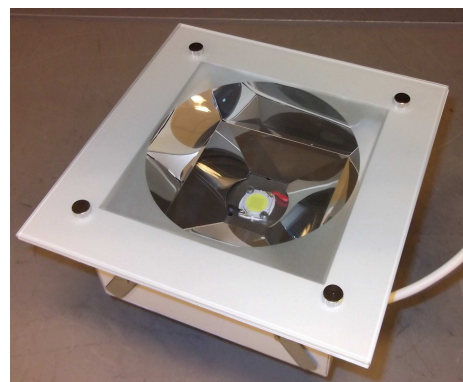
Astra Industries Sal

Luminaire Measurement

Asr Asl 1x20W

Measurement Code

1006A/CL673/11-01I-G1



Davide Liemetti

Approved by DLAB

Carati Alessandro

Approved by Laboratory Technician

Report Date: 14/03/11

Report Attachments	▶ Photometric Measurement Report	☒
	o Intensity Matrix [cd/klm]	☒
	o Polar Diagram	☒
	o Cartesian Diagram	☐
	o Standard Photometric File Formats	☐
	Eulumdat	☐
	IESNA	☒
	OXL OxyTech	☐
	▶ Colorimetric Measurement Report	☐
	▶ Emergency Test Report	☐
	▶ Laboratory Parasite Light Evaluation (Background Light Noise Definition)	☐
	▶ Light Pollution Laws Conformity Declaration	☐
	▶ Luminaires Assembly Instructions	☐

Photometric Measurement Report

Measurement Code	1006A/CL673/11-01I-G1
Laboratory Main Manager (DLAB)	Mr. Danilo Giannetti
Laboratory Manager	Mr. Alessandro Casati

Manufacturer Data

Manufacturer	Astra Industries SAL
OxyTech Manufacturer Code	CL673
Address	Dora, St Joseph Road – 80220 - Beirut
Contact Person	Mr. Tony Araman

Tested Luminaire Data

Type	LED Luminaire
Model	Asr Asl 1x20W
Description	Asr Asl 1x20W
Dimension [mm]	230-230-5
Dimension of Luminous Area [mm]	155-155-0
Led Type and Commercial Trademark	Bridgelux – Indium Gallium
Ballast Type and Trademark	-
Heat Sink Type and Trademark	Radiateur Double Alfa HS
Ref. Lamp/ Ref. Ballast	1006B/CL673/11-01L

Measurement Data

Measurement Data	12-03-11
Measurement Type	C-γ Asymmetrical
Reference Standard	UNI EN 11356 del 2010 - UNI EN 13032-1 del 2005
Lamp Stabilization Delay	45 min.
Number of Luminaires Tested	1

Measurement Uncertainty

Source Instability	=< 1%
Efficiency Calculation Uncertainty (LOR)	2.5%
Luminous Intensity Normalised Values	2.5%
Angular Precision in C and γ	± 0.05°

Instruments Data

Goniophotometer	Luminaire Rotating System sample as per EN 13032 and CIE121 Standard-Model T2 Oxytech – ref. Oxy G1. Measurement Distance: 9.11 m
Voltage stabilizers	Electro - test model TPS/M 6000
Multimeter	Kinetiq Ppa5530
Luxmeter	C&G

Measurement of Electrical Parameters

Source Voltage	230 V ± 0.2%
Harmonic Distortion	< 0,5%
Source Frequency	50 Hz ± 0.1%

Environmental Conditions

Laboratory Temperature [°C]	25°C ± 1°C
Relative Humidity	60%
Air Movement	< 0,2 m/s

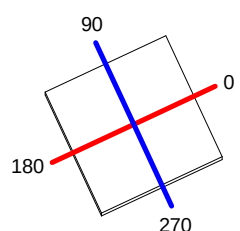
Measurement Notes

- The data displayed on this report are those obtained as per the test described above
- This report concerns only the tested luminaire
- The information contained in the present report/this report is not to be extended in any way to any other sample luminaires different from the one used in this study
- The Measurement Code is shown on the luminaire shield and on the reflector of the luminaire and cannot be deleted

Luminaire		Measurem.		Lamp		
Code	ASR ASL 1x20W	Code	CL673/11-01L	Code	1006B/CL673/11-01L	
Name	ASR ASL 1x20W	Name	ASR ASL 1x20W	Number	1	
Line	Astra Industries 2011	Date	12-03-2011	Position		
Efficiency	100.00%	Coordinate system	C-G	Total Flux	1476.27 lm	
Maximum value	799.55 cd/klm	Position	C=350.00 G=5.00	Asymmetrical		
Flush Rectangular Rectangular Luminous Area	Length Length	230 mm 155 mm	Width Width	230 mm 155 mm	Height Height	5 mm 0 mm
Horizontal Luminous Area	0.024025 m2		Emitting area on Plane 180°	0.000000 m2		
Emitting area on Plane 0°	0.000000 m2		Emitting area on Plane 270°	0.000000 m2		
Emitting area on Plane 90°	0.000000 m2		Glare area at 76°	0.005812 m2		
Symmetry Type	Asymmetrical		Maximum Gamma Angle	180		
Measurement Distance	9.11		Measurement Flux	1476.27 lm		
Operator	AC		Source Voltage	230.36 V		
Temperature	25.00 °C		Source Current	0.13 A		
Humidity	60.00 %		Photocell	Czibula Grundmann		
Notes	Potenza 25.64100FP 0.87696					

Luminaire Lamps						
Line	Code	Name	Fluxlm	Pow.W	Qta	
LED 2011	1006B/CL673/11-01L	1006B/CL673/11-01L	1476.27	25.00	1	
C.I.E.	66 96 99 100 100	D DIN 5040				
F UTE	1.00 C + 0.00 T	B NBN				
		A50				
		BZ 2				

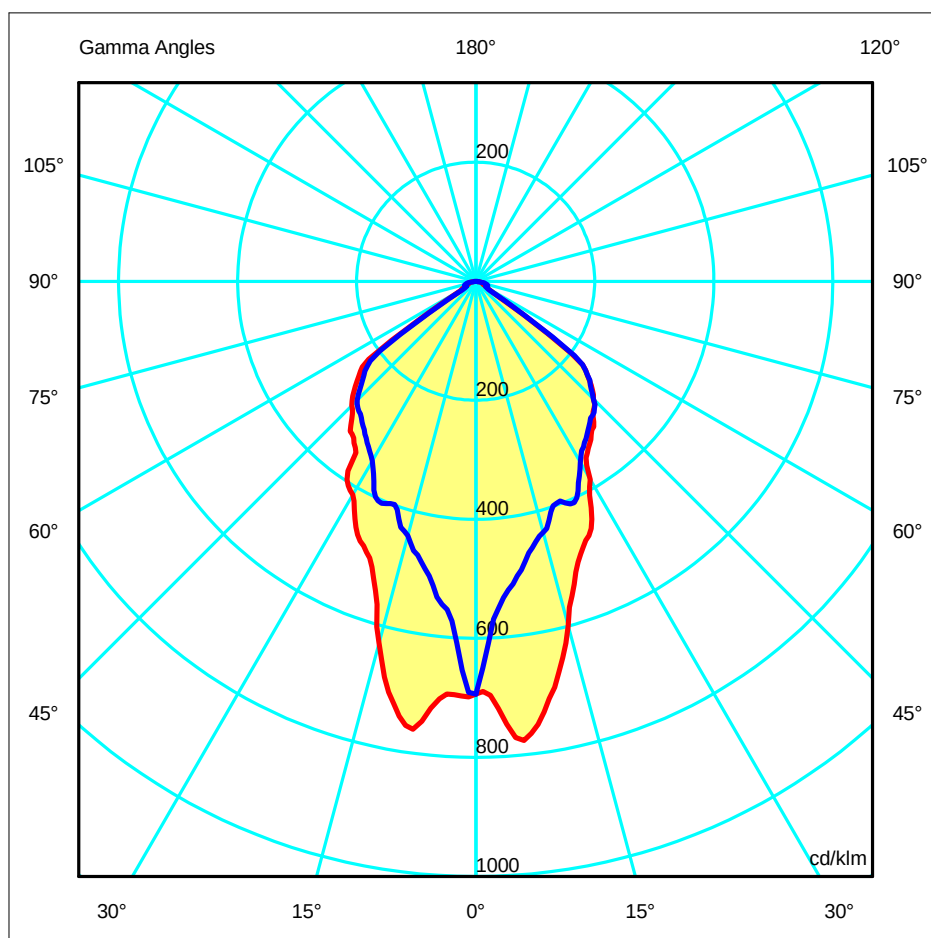
230mm x 230mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



Luminaire		Measur.								Lamp			
Code	ASR ASL 1x20W	Code CL673/11-01I								Code	1006B/CL673/11-01L		
Name	ASR ASL 1x20W	Name ASR ASL 1x20W								Number	1		
Line	Astra Industries 2011	Date 12-03-2011								Position			
Efficiency	100.00%	Coordinate system				C-G				Total Flux	1476.27 lm		
Luminous Intensity Table cd/klm										Table 1/9			
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45
G 1.0	688.85	683.45	677.76	675.66	660.64	661.81	654.15	659.17	647.37	650.36	654.12	657.79	656.24
G 2.0	696.08	678.45	666.11	650.56	640.37	626.11	613.84	609.16	601.40	608.38	603.94	614.09	615.02
G 3.0	718.55	689.47	670.58	640.75	613.21	594.45	578.34	577.67	569.64	568.49	572.71	575.18	582.86
G 4.0	745.56	708.78	682.14	640.93	605.96	576.58	562.62	556.49	551.22	549.78	555.04	555.16	559.16
G 5.0	769.38	732.90	692.00	647.78	612.65	577.19	556.99	543.72	535.88	533.44	540.11	541.18	546.13
G 6.0	775.59	735.94	699.10	660.03	624.77	582.74	551.06	532.96	524.44	521.42	527.55	526.51	532.81
G 7.0	764.95	721.19	688.17	665.60	637.58	587.15	550.49	523.75	514.76	512.20	517.14	514.15	521.83
G 8.0	751.48	703.45	673.93	661.68	640.01	593.45	548.14	514.74	502.39	499.97	505.59	506.02	511.52
G 9.0	732.22	687.34	660.14	650.01	632.93	596.61	545.46	504.81	491.21	490.62	494.82	496.40	503.64
G 10.0	711.65	671.41	652.93	637.20	626.60	598.28	543.34	496.77	478.50	477.48	482.18	484.64	496.14
G 11.0	694.97	662.89	644.92	622.71	614.33	596.06	541.80	488.13	469.40	464.67	470.69	473.60	489.57
G 12.0	671.20	653.51	633.47	613.80	601.99	589.35	540.75	482.38	461.84	457.43	463.54	463.56	482.37
G 13.0	649.38	642.33	622.04	604.62	590.89	580.17	536.57	473.00	451.74	448.87	454.92	457.16	477.97
G 14.0	626.50	634.07	612.15	594.86	578.10	569.75	531.99	466.51	445.53	441.27	446.52	449.78	477.16
G 15.0	599.90	622.88	602.25	584.28	570.17	560.94	527.12	460.55	440.68	436.56	441.17	445.00	471.48
G 16.0	569.61	609.55	586.36	577.04	559.70	551.30	522.52	456.38	437.76	431.81	434.77	439.57	471.70
G 17.0	552.75	599.56	569.42	563.32	550.53	544.28	519.40	453.27	429.89	420.32	422.34	431.32	470.52
G 18.0	534.85	588.99	561.73	544.79	543.02	536.01	515.40	448.21	420.45	407.47	408.18	418.23	463.92
G 19.0	516.72	578.32	553.79	529.40	532.36	529.99	511.11	439.75	409.39	398.72	402.73	407.97	451.60
G 20.0	501.77	563.98	545.32	521.20	514.34	521.70	502.54	426.58	402.58	396.73	400.38	403.97	442.33
G 21.0	491.09	551.71	537.68	508.98	500.89	512.46	490.08	415.12	404.26	395.31	398.80	399.23	439.43
G 22.0	481.34	538.09	528.32	497.61	489.57	505.52	475.65	410.11	406.79	401.60	397.47	395.53	432.85
G 23.0	472.84	520.81	517.44	487.17	476.69	488.03	462.20	407.92	409.32	406.09	405.49	393.11	423.95
G 24.0	467.76	507.64	503.21	479.57	466.52	466.38	452.29	409.27	407.66	406.65	422.70	390.71	418.76
G 25.0	458.23	491.19	491.12	465.53	456.87	446.17	444.43	408.80	403.45	401.41	423.67	405.90	418.16
G 26.0	444.60	470.11	473.26	451.88	447.16	435.16	434.94	406.35	394.38	392.18	406.10	412.50	410.16
G 27.0	426.82	446.52	455.40	436.90	430.42	428.65	431.18	398.61	382.43	379.78	383.21	393.36	396.83
G 28.0	406.92	425.63	441.85	424.20	416.81	420.69	424.40	388.82	372.69	370.70	375.58	376.61	386.00
G 29.0	394.43	409.11	424.05	410.06	400.74	409.76	413.08	377.76	363.15	360.89	366.55	371.01	375.73
G 30.0	384.57	395.67	411.55	398.14	386.44	401.36	396.77	367.64	355.16	351.48	356.53	363.04	362.81
G 31.0	361.14	372.72	402.96	388.84	378.25	392.62	380.08	358.44	345.49	342.70	350.71	353.43	350.73
G 32.0	349.27	347.73	377.12	381.26	370.53	382.44	364.64	346.01	339.36	335.53	342.92	347.23	342.10
G 33.0	343.74	338.84	353.57	373.91	364.66	373.77	355.16	337.53	333.97	331.81	335.05	338.38	334.93
G 34.0	338.20	336.53	331.50	358.14	356.01	367.60	342.30	330.86	328.60	326.51	330.26	330.68	329.91
G 35.0	333.44	331.59	322.35	330.33	351.05	361.00	333.46	323.61	323.18	322.49	325.82	323.70	323.75
G 36.0	328.39	325.91	314.93	309.24	347.11	354.18	322.50	319.92	319.30	317.90	321.29	318.30	318.12
G 37.0	322.39	321.05	307.45	303.19	335.28	345.78	316.69	315.10	314.84	313.29	316.33	314.30	312.73
G 38.0	316.52	314.94	301.93	297.86	316.23	337.71	308.60	310.20	309.92	309.00	312.69	309.07	308.69
G 39.0	314.60	310.28	297.12	292.33	297.06	329.36	301.82	304.69	305.42	304.69	305.82	304.82	302.74
G 40.0	308.45	304.20	292.84	286.79	290.31	319.51	294.42	299.23	303.29	300.00	301.06	299.73	298.54
G 41.0	300.62	297.82	287.92	281.67	283.84	312.97	289.51	294.19	302.00	298.56	295.23	294.88	294.03
G 42.0	294.75	293.89	283.57	276.37	279.77	298.72	285.92	290.24	297.61	296.48	290.04	292.57	288.53
G 43.0	291.00	287.83	278.78	271.67	275.19	285.23	281.61	285.68	290.88	291.86	297.32	287.85	282.35
G 44.0	287.41	281.83	273.39	267.66	266.54	271.30	275.49	280.33	285.21	288.30	304.12	281.24	278.00
G 45.0	279.38	276.13	268.34	263.26	262.58	266.95	270.59	277.99	277.47	279.71	293.24	276.15	272.43
G 46.0	274.42	272.77	263.77	257.03	257.23	260.67	264.31	273.95	271.40	272.63	272.33	267.44	265.71
G 47.0	267.98	268.40	257.54	252.58	252.18	254.30	257.04	267.32	264.17	264.79	265.12	261.48	259.21
G 48.0	260.51	261.83	250.83	245.92	247.24	249.47	251.17	258.33	257.00	258.93	257.34	255.38	253.74
G 49.0	252.79	253.42	246.22	240.45	241.44	244.44	244.76	251.98	250.13	253.62	251.49	249.77	248.74
G 50.0	244.34	244.95	238.20	234.69	235.46	238.83	238.02	244.01	243.37	244.81	244.99	245.67	242.79
G 51.0	237.34	236.30	230.69	229.47	228.27	231.76	232.07	236.29	235.74	237.21	237.84	238.92	237.93
G 52.0	227.73	226.72	217.67	217.61	213.40	221.14	220.22	227.09	225.34	227.65	228.43	231.25	229.76
G 53.0	199.45	206.72	192.09	194.55	187.03	196.54	185.07	201.16	186.03	207.41	203.30	212.14	208.36
G 54.0	148.78	162.97	141.08	156.10	137.90	155.15	140.71	153.75	144.14	159.63	155.53	175.17	175.59
G 55.0	95.90	108.58	85.82	97.99	80.91	98.30	87.51	102.95	95.90	102.62	100.81	129.62	119.28
G 56.0	48.29	62.13	47.56	53.72	42.91	52.64	40.90	52.99	56.34	61.23	60.56	76.43	69.88
G 57.0	30.24	35.11	28.21	30.04	28.60	32.01	28.14	32.37	45.32	31.78	37.60	44.62	36.08
G 58.0	26.85	31.81	26.43	25.69	27.17	27.81	26.29	26.42	41.83	24.37	27.44	36.53	27.09
G 59.0	25.30	31.54	25.74	24.99	26.45	26.93	25.54	24.40	37.43	21.59	23.12	35.36	26.18
G 60.0	23.73	30.59	24.68	24.30	25.67	26.22	24.77	23.43	35.66	20.11	23.29	33.42	25.14
G 61.0	22.23	28.41	23.26	23.62	24.97	25.40	23.96	22.16	33.10	19.36	23.33	30.82	24.23
G 62.0	21.28	26.41	21.86	22.79	24.23	24.50	23.20	21.24	29.74	19.26	23.03	28.64	23.31
G 63.0	17.93	25.43	20.56	21.94	23.44	23.80	22.31	20.37	26.75	18.62	22.72	26.89	22.44
G 64.0	17.01	25.00	19.51	21.09	22.6								

Luminaire				Measur.				Lamp							
Code	ASR ASL 1x20W			Code	CL673/11-01I			Code	1006B/CL673/11-01L						
Name	ASR ASL 1x20W			Name	ASR ASL 1x20W			Number	1						
Line	Astra Industries 2011			Date	12-03-2011			Position							
Efficiency				100.00%				Coordinate system		C-G		Total Flux		1476.27 lm	
Luminous Intensity Table cd/klm														Table 2/9	
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00		
G 0.0	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45
G 1.0	669.11	668.52	680.75	684.93	692.07	698.22	697.90	700.58	698.46	699.88	692.34	701.87	694.95	694.95	694.95
G 2.0	630.05	637.60	658.38	671.40	686.88	696.92	695.33	695.68	686.21	684.63	664.45	672.11	661.08	661.08	661.08
G 3.0	600.05	614.43	633.70	657.27	679.25	695.45	690.64	682.43	662.02	648.36	629.57	632.27	618.89	618.89	618.89
G 4.0	571.58	581.28	612.00	641.71	672.57	694.82	684.75	668.90	631.65	619.91	593.27	593.50	579.95	579.95	579.95
G 5.0	556.40	568.44	593.53	631.50	672.28	703.93	685.37	650.22	608.79	590.00	566.84	568.11	561.95	561.95	561.95
G 6.0	546.78	561.45	586.33	635.80	689.48	721.07	695.44	646.59	597.65	569.69	553.43	554.09	549.15	549.15	549.15
G 7.0	537.04	562.92	596.87	648.75	707.65	744.33	711.18	648.82	597.55	565.23	545.57	544.82	538.52	538.52	538.52
G 8.0	531.54	574.48	614.26	662.19	727.49	759.99	716.23	655.52	610.23	569.30	541.13	531.85	524.08	524.08	524.08
G 9.0	531.81	582.49	631.09	673.12	729.12	755.55	703.93	660.54	626.80	579.73	537.01	516.15	506.83	506.83	506.83
G 10.0	535.26	591.02	634.42	670.94	722.79	741.66	693.27	656.40	632.74	587.78	529.16	503.16	495.38	495.38	495.38
G 11.0	538.77	597.14	631.72	666.39	713.33	722.59	678.42	653.09	631.08	592.57	525.38	493.15	483.79	483.79	483.79
G 12.0	540.50	594.83	624.45	660.48	700.50	705.46	664.36	646.68	627.17	590.33	524.18	488.22	474.40	474.40	474.40
G 13.0	540.26	586.94	618.79	657.14	694.02	682.35	650.11	641.05	618.26	584.88	524.93	479.24	466.24	466.24	466.24
G 14.0	539.39	575.24	608.71	651.23	688.20	654.58	641.78	635.99	608.52	577.50	524.15	473.74	458.50	458.50	458.50
G 15.0	538.97	564.01	597.86	645.12	683.62	628.51	635.95	629.48	597.65	569.88	522.48	468.07	454.94	454.94	454.94
G 16.0	535.15	553.98	588.81	638.88	678.69	603.82	626.22	625.95	585.64	562.44	520.32	464.33	447.60	447.60	447.60
G 17.0	529.74	546.26	574.77	625.81	663.92	567.67	610.10	614.03	579.27	555.00	517.03	461.44	441.64	441.64	441.64
G 18.0	525.36	538.56	561.42	603.08	654.26	546.58	597.32	598.06	570.36	546.88	514.30	457.96	437.93	437.93	437.93
G 19.0	519.89	531.59	539.38	590.57	644.04	527.29	583.99	585.59	548.24	543.07	511.45	455.49	428.88	428.88	428.88
G 20.0	510.55	525.62	527.00	576.98	633.25	510.44	571.76	569.04	537.05	537.94	508.29	449.96	414.09	414.09	414.09
G 21.0	493.17	512.27	516.30	563.23	621.16	498.05	558.98	556.71	525.34	524.52	505.81	439.49	404.72	404.72	404.72
G 22.0	480.42	491.36	508.21	549.86	605.42	490.65	542.04	545.71	515.83	506.97	504.00	424.55	400.25	400.25	400.25
G 23.0	473.06	472.72	498.31	536.79	589.69	482.63	528.87	535.96	504.34	496.19	491.10	410.61	400.90	400.90	400.90
G 24.0	457.70	456.14	490.00	521.17	574.79	477.52	514.32	520.84	488.11	482.93	472.50	403.50	401.87	401.87	401.87
G 25.0	441.23	442.53	479.42	507.36	556.64	469.77	496.67	508.64	475.85	471.60	451.11	397.80	401.38	401.38	401.38
G 26.0	430.85	432.95	464.01	487.41	534.74	459.43	472.56	492.71	463.69	460.27	438.05	395.56	393.06	393.06	393.06
G 27.0	420.95	421.96	443.39	474.04	512.22	447.79	451.19	475.45	449.27	448.39	431.49	393.78	384.43	384.43	384.43
G 28.0	410.92	409.88	421.26	458.99	488.00	434.30	433.08	463.55	433.57	433.44	421.75	388.13	375.97	375.97	375.97
G 29.0	401.76	401.06	401.36	446.81	466.81	421.90	419.57	446.14	420.92	415.58	411.79	379.52	366.45	366.45	366.45
G 30.0	394.53	392.49	391.00	434.20	440.36	414.00	405.23	432.64	409.66	398.97	403.04	373.07	358.47	358.47	358.47
G 31.0	387.26	384.12	382.19	419.50	421.91	409.53	394.31	416.52	401.95	389.69	394.42	363.70	351.03	351.03	351.03
G 32.0	380.54	377.66	374.72	407.15	406.53	404.51	384.18	404.41	395.71	381.46	385.52	349.28	342.57	342.57	342.57
G 33.0	374.44	370.80	369.24	396.63	396.14	397.36	377.62	389.47	385.10	373.73	377.56	341.00	334.32	334.32	334.32
G 34.0	370.05	364.23	363.10	382.16	391.48	384.22	371.00	377.26	371.07	367.36	371.48	336.31	328.46	328.46	328.46
G 35.0	365.01	359.87	355.95	373.55	370.27	351.32	349.48	367.54	355.80	359.50	367.36	330.14	323.80	323.80	323.80
G 36.0	357.82	353.08	350.72	353.55	346.04	344.83	331.78	349.57	346.63	352.71	362.25	323.20	318.57	318.57	318.57
G 37.0	351.59	343.84	348.03	326.77	339.72	340.27	326.86	325.14	341.71	346.65	356.13	316.89	314.81	314.81	314.81
G 38.0	342.59	337.66	338.24	321.51	334.57	333.75	322.84	312.18	329.51	339.14	344.47	311.24	309.81	309.81	309.81
G 39.0	330.42	331.07	311.91	316.26	328.97	330.51	317.96	306.33	309.41	332.05	332.65	305.73	304.44	304.44	304.44
G 40.0	320.40	326.44	300.68	312.26	324.52	328.84	312.26	304.84	294.48	323.62	321.01	299.62	299.47	299.47	299.47
G 41.0	310.28	312.35	294.19	305.80	317.70	320.55	306.22	301.93	289.42	317.01	312.02	294.31	294.07	294.07	294.07
G 42.0	300.61	291.60	289.11	301.08	311.55	311.59	300.14	295.22	283.97	297.47	302.31	288.80	290.12	290.12	290.12
G 43.0	292.39	283.46	284.19	294.40	305.02	304.02	293.88	289.54	279.36	280.38	293.30	283.72	285.79	285.79	285.79
G 44.0	284.46	276.93	278.21	287.61	299.03	298.70	288.16	284.13	272.87	274.67	284.89	279.40	281.18	281.18	281.18
G 45.0	278.14	271.83	272.68	280.34	294.74	294.58	281.88	277.78	268.97	269.74	278.66	274.08	278.73	278.73	278.73
G 46.0	269.74	265.54	267.27	274.48	290.19	289.04	277.10	271.57	263.90	263.94	268.68	268.51	276.76	276.76	276.76
G 47.0	262.00	260.03	262.73	268.09	283.46	282.62	271.32	264.15	258.55	258.41	259.15	262.92	264.10	264.10	264.10
G 48.0	256.81	255.24	257.30	261.81	277.43	275.55	265.71	258.07	252.71	253.93	252.51	255.74	257.60	257.60	257.60
G 49.0	251.93	249.68	252.51	254.98	271.13	268.68	258.49	252.13	248.47	248.56	248.66	249.84	251.70	251.70	251.70
G 50.0	246.27	245.20	246.38	248.51	263.48	259.88	249.56	244.93	243.08	243.73	242.48	244.30	245.24	245.24	245.24
G 51.0	240.36	239.03	240.20	242.88	253.82	252.82	243.60	238.54	236.49	238.83	236.20	237.24	239.48	239.48	239.48
G 52.0	234.83	233.19	234.57	236.06	248.39	245.85	238.54	234.03	229.08	232.44	229.60	232.00	232.26	232.26	232.26
G 53.0	222.16	219.13	225.69	227.10	241.56	238.54	231.22	229.44	221.07	226.10	222.39	225.32	222.32	222.32	222.32
G 54.0	197.80	186.68	200.73	200.87	221.20	222.60	211.54	217.95	204.64	210.53	202.61	210.09	206.37	206.37	206.37
G 55.0	140.51	131.86	160.34	159.80	177.44	173.									

Luminaire		Measur.					Lamp			
Code	ASR ASL 1x20W	Code	CL673/11-01L			Code	1006B/CL673/11-01L			
Name	ASR ASL 1x20W	Name	ASR ASL 1x20W			Number	1			
Line	Astra Industries 2011	Date	12-03-2011			Position				
Efficiency	100.00%	Coordinate system	C-G		Total Flux	1476.27 lm				
Luminous Intensity Table cd/klm Table 3/9										
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45	693.45
G 1.0	698.51	690.69	703.66	693.45	699.66	701.38	701.95	701.94	699.70	696.29
G 2.0	670.24	653.71	674.19	667.56	682.71	689.53	700.25	706.61	709.37	709.35
G 3.0	623.19	608.12	627.17	624.22	651.39	667.98	695.37	723.43	736.65	740.22
G 4.0	582.75	572.17	590.34	589.90	623.49	656.10	695.15	734.22	762.80	773.53
G 5.0	561.56	553.64	563.19	568.40	605.02	646.47	696.28	742.09	783.72	799.55
G 6.0	552.18	545.44	556.12	566.39	602.04	645.02	693.45	737.57	783.10	799.09
G 7.0	540.04	534.50	547.17	564.45	609.38	653.74	688.35	717.77	762.09	781.41
G 8.0	524.16	515.80	533.97	557.62	613.89	663.24	680.01	693.77	740.63	760.55
G 9.0	509.88	501.18	517.37	552.40	614.74	658.92	670.79	674.78	717.50	741.58
G 10.0	496.94	490.48	506.44	548.63	614.46	647.60	662.35	668.56	695.73	723.44
G 11.0	484.97	480.20	494.42	541.38	611.60	632.65	653.57	661.96	677.56	704.25
G 12.0	472.58	470.01	485.08	537.79	604.47	621.40	638.38	656.14	664.46	678.29
G 13.0	466.71	464.48	476.24	530.78	593.96	605.06	623.77	644.73	655.57	658.65
G 14.0	455.97	453.26	468.65	523.21	582.87	589.29	610.19	634.02	649.12	633.27
G 15.0	446.63	442.01	456.72	515.53	569.97	575.63	596.69	622.07	645.74	607.12
G 16.0	438.72	436.67	450.40	509.35	558.82	563.48	583.97	611.00	633.36	582.54
G 17.0	436.01	431.72	445.19	503.93	547.43	552.51	570.13	589.87	620.13	568.85
G 18.0	426.41	419.48	434.37	497.57	540.97	542.42	560.03	574.42	612.74	557.20
G 19.0	415.23	405.86	419.01	483.66	533.15	531.61	547.50	559.46	605.13	542.55
G 20.0	400.84	399.28	408.89	463.80	518.26	521.30	531.36	550.18	595.69	534.60
G 21.0	398.54	400.15	404.38	448.39	496.25	512.08	517.99	539.60	584.32	520.56
G 22.0	402.25	402.51	403.04	435.71	476.77	492.26	505.39	527.00	570.79	505.29
G 23.0	405.45	404.95	404.72	424.67	466.87	470.60	491.82	513.81	558.43	490.74
G 24.0	405.18	403.58	406.77	415.32	455.52	444.91	480.36	499.12	547.03	475.93
G 25.0	400.34	399.22	407.18	406.76	448.32	433.73	463.82	483.01	526.32	461.17
G 26.0	393.12	390.28	403.18	403.02	443.23	424.79	445.13	462.34	511.67	445.04
G 27.0	383.42	377.34	395.62	402.22	434.39	416.07	426.04	451.05	489.35	430.72
G 28.0	375.28	366.16	382.12	400.50	423.97	405.91	405.15	432.55	467.34	416.10
G 29.0	365.21	356.43	369.27	388.88	412.63	397.80	391.60	420.53	449.38	401.60
G 30.0	357.57	347.64	359.18	370.95	404.84	389.09	383.27	409.28	428.56	395.76
G 31.0	348.07	341.62	351.31	357.25	396.08	382.39	374.82	396.70	415.56	378.42
G 32.0	340.71	336.60	342.52	347.12	380.57	375.14	367.52	383.21	395.55	360.32
G 33.0	334.07	330.89	334.66	337.15	367.49	370.16	361.05	374.92	366.54	349.85
G 34.0	328.07	326.84	329.99	327.98	355.63	365.35	354.52	358.43	341.89	343.26
G 35.0	324.45	321.36	325.75	319.71	341.76	355.27	348.43	330.77	330.30	336.73
G 36.0	320.03	317.45	320.44	312.15	331.17	350.19	343.95	313.75	323.82	331.09
G 37.0	316.16	311.86	315.54	307.11	318.92	343.44	339.26	308.21	319.45	324.97
G 38.0	311.02	308.00	311.18	301.75	311.23	337.52	323.16	301.82	313.82	319.36
G 39.0	305.24	303.63	306.05	297.31	303.14	326.79	302.17	296.95	308.38	313.84
G 40.0	300.99	299.16	300.06	291.34	296.16	316.67	294.57	291.81	303.61	309.01
G 41.0	296.58	295.51	295.15	286.72	290.50	309.42	288.25	285.98	298.31	302.12
G 42.0	295.52	293.58	290.68	282.50	286.27	300.08	282.00	280.32	291.89	297.32
G 43.0	293.71	290.30	287.48	279.96	281.44	283.74	276.92	275.23	285.43	296.27
G 44.0	289.05	286.67	286.20	276.21	275.33	270.87	270.33	269.86	278.64	290.99
G 45.0	282.93	282.23	283.45	270.18	269.95	264.93	264.99	264.46	271.63	282.84
G 46.0	276.04	274.69	278.70	264.23	263.39	260.28	259.42	258.66	264.85	276.13
G 47.0	267.17	266.64	273.19	258.02	257.38	254.68	255.59	252.48	258.48	270.77
G 48.0	258.91	258.46	265.57	255.80	250.37	248.85	249.63	246.61	251.84	263.25
G 49.0	252.56	252.03	256.86	253.29	245.69	242.91	244.35	239.76	248.13	253.66
G 50.0	244.48	245.65	247.03	242.49	238.73	237.08	237.08	235.89	242.13	246.65
G 51.0	239.41	239.63	239.00	232.40	234.52	231.23	232.12	229.59	234.55	239.33
G 52.0	232.67	231.21	230.80	223.63	226.60	224.00	226.41	219.21	228.35	230.53
G 53.0	225.10	222.08	222.04	210.79	217.61	212.68	213.52	206.96	211.52	208.95
G 54.0	207.66	199.02	204.37	187.87	193.56	185.12	183.38	171.30	169.58	159.90
G 55.0	162.86	154.92	166.03	142.09	146.27	126.46	138.41	116.58	117.21	112.49
G 56.0	116.78	96.46	119.70	87.41	90.56	75.07	90.56	62.18	71.15	57.99
G 57.0	62.10	53.48	60.65	39.94	48.03	38.21	42.61	32.33	33.27	32.54
G 58.0	32.19	26.25	36.50	26.09	26.56	26.27	27.13	25.45	25.97	28.57
G 59.0	24.31	21.24	30.21	24.29	24.30	25.50	25.79	24.26	25.20	27.26
G 60.0	22.72	19.47	28.93	23.75	23.33	24.61	24.72	23.60	24.58	27.09
G 61.0	22.23	18.70	28.45	22.94	22.76	23.92	24.01	22.86	23.75	27.09
G 62.0	21.93	18.28	27.94	21.27	22.09	23.10	23.29	22.09	23.34	26.57
G 63.0	22.30	18.08	26.37	19.89	21.18	22.40	22.51	21.32	23.12	25.56
G 64.0	22.28	17.99	25.18	18.81	20.41	21.62	21.81	20.44	22.65	25.27
G 65.0	21.77	17.41	24.11	17.98	19.60	20.72	20.93	19.36	21.74	24.55
G 66.0	20.89	16.99	23.21	17.26	18.83	19.81	20.34	18.44	20.47	23.89
G 67.0	19.83	17.79	22.66	16.60	18.03	18.93	19.40	17.53	19.22	23.30
G 68.0	19.55	18.96	21.85	16.11	17.31	18.07	18.21	16.63	18.29	22.48
G 69.0	20.25	19.90	20.47	16.16	16.33	17.04	17.27	15.70	17.38	20.77
G 70.0	20.95	20.28	19.79	16.58	15.32	16.09	16.13	14.73	16.71	17.75
G 71.0	21.03	20.17	20.08	17.17	14.35	15.00	15.11	13.83	16.21	15.19
G 72.0	20.52	19.73	19.88	17.57	13.44	13.98	14.17	12.77	16.07	14.33

Luminaire				Measurem.				Lamp							
Code	ASR ASL 1x20W			Code	CL673/11-011			Code	1006B/CL673/11-01L						
Name	ASR ASL 1x20W			Name	ASR ASL 1x20W			Number	1						
Line	Astra Industries 2011			Date	12-03-2011			Position							
Efficiency	100.00%			Coordinate system		C-G		Total Flux		1476.27 lm					
Luminous Intensity Table cd/klm														Table 4/9	
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00		
G 73.0	13.34	12.23	11.24	12.57	13.32	13.75	13.48	21.86	19.39	19.65	21.38	20.42	13.05		
G 74.0	13.84	12.64	10.50	11.63	12.24	12.71	12.84	20.68	18.23	18.71	20.26	20.69	11.96		
G 75.0	13.74	13.25	10.63	10.65	11.21	11.70	11.80	19.32	17.30	17.66	18.99	20.58	11.23		
G 76.0	12.99	13.43	11.46	9.60	10.09	10.78	10.47	17.99	16.09	16.67	18.28	20.13	10.41		
G 77.0	12.08	12.90	11.85	8.92	9.07	9.63	9.14	16.84	15.25	15.66	17.94	19.52	9.59		
G 78.0	11.10	12.06	11.52	7.85	8.17	8.59	8.11	14.12	13.96	14.80	17.14	17.15	8.57		
G 79.0	10.14	11.02	10.86	6.95	7.14	7.67	7.15	10.42	11.26	13.28	13.03	12.79	7.52		
G 80.0	9.15	10.18	10.36	6.15	6.27	6.64	5.95	6.65	6.82	9.26	8.13	8.74	6.68		
G 81.0	7.92	9.37	8.95	5.21	5.20	5.66	5.28	5.13	4.53	5.61	4.96	5.63	5.84		
G 82.0	5.90	7.99	6.36	4.47	4.30	4.71	4.36	4.43	3.79	3.90	3.87	4.57	4.87		
G 83.0	3.76	5.57	3.54	3.70	3.52	3.94	3.63	3.65	3.08	3.31	3.21	3.88	3.93		
G 84.0	2.45	2.84	2.60	2.96	2.77	3.04	3.01	3.02	2.54	2.67	2.62	3.07	3.22		
G 85.0	1.89	2.05	2.01	2.38	2.17	2.38	2.45	2.45	2.03	2.12	2.11	2.47	2.60		
G 86.0	1.40	1.59	1.54	1.76	1.64	1.85	1.79	1.94	1.60	1.67	1.63	2.03	1.99		
G 87.0	1.02	1.10	1.10	1.34	1.23	1.40	1.66	1.69	1.14	1.25	1.21	1.48	1.35		
G 88.0	0.69	0.77	0.76	0.88	0.84	0.97	1.56	1.96	1.00	0.87	0.87	1.06	0.98		
G 89.0	0.47	0.55	0.55	0.62	0.59	0.67	1.07	1.48	0.62	0.61	0.61	0.71	0.70		
G 90.0	0.45	0.47	0.50	0.52	0.52	0.56	0.78	0.88	0.57	0.48	0.51	0.55	0.55		
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Luminaire				Measurem.				Lamp					
Code	ASR ASL 1x20W			Code	CL673/11-01L			Code	1006B/CL673/11-01L				
Name	ASR ASL 1x20W			Name	ASR ASL 1x20W			Number	1				
Line	Astra Industries 2011			Date	12-03-2011			Position					
Efficiency	100.00%			Coordinate system		C-G		Total Flux		1476.27 lm			
Luminous Intensity Table cd/klm								Table 5/9					
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 73.0	14.74	14.24	13.83	15.60	14.36	13.85	11.96	14.68	12.83	14.26	13.85	13.25	20.19
G 74.0	13.60	13.27	12.77	13.61	14.46	13.50	11.88	12.41	11.91	13.26	12.64	12.37	19.32
G 75.0	12.69	12.29	11.72	13.48	14.57	13.58	12.11	10.27	10.96	12.06	11.70	11.56	18.52
G 76.0	11.62	11.14	10.79	13.45	14.26	13.09	12.10	9.48	10.00	11.14	10.84	10.85	17.58
G 77.0	10.44	10.07	9.82	13.25	13.54	12.36	11.71	8.62	9.04	10.09	9.84	10.03	16.41
G 78.0	9.40	9.04	8.89	13.02	12.57	11.44	11.08	8.10	8.27	9.04	8.71	8.91	14.09
G 79.0	8.41	7.98	8.07	12.11	11.50	10.27	10.25	7.68	7.21	8.03	7.84	8.22	10.37
G 80.0	7.27	7.15	7.14	11.06	10.56	9.37	9.16	7.47	6.40	6.95	6.81	7.06	7.11
G 81.0	6.46	6.05	6.05	9.61	9.44	8.49	8.10	7.20	5.55	5.87	5.68	6.00	5.15
G 82.0	5.39	4.96	5.28	7.53	8.35	7.37	7.35	6.87	4.82	5.16	4.87	4.90	4.33
G 83.0	4.42	4.24	4.43	4.82	7.26	6.35	6.48	6.15	3.91	4.00	3.98	4.05	3.62
G 84.0	3.53	3.30	3.62	3.22	4.99	4.26	4.79	4.53	3.10	3.29	3.14	3.16	2.94
G 85.0	2.83	2.68	2.90	2.60	2.92	2.69	2.49	2.66	2.50	2.61	2.45	2.54	2.30
G 86.0	2.19	1.99	2.34	2.06	2.08	1.91	1.78	1.93	1.98	1.98	1.91	1.96	1.73
G 87.0	1.62	1.46	1.75	1.51	1.58	1.34	1.34	1.46	1.46	1.48	1.41	1.38	1.24
G 88.0	1.15	1.07	1.18	1.05	1.12	1.04	0.91	1.04	1.01	1.04	0.97	0.99	0.86
G 89.0	0.79	0.72	0.85	0.74	0.80	0.69	0.65	0.71	0.67	0.70	0.70	0.70	0.65
G 90.0	0.59	0.58	0.60	0.56	0.57	0.50	0.50	0.54	0.54	0.56	0.56	0.58	0.56
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire		Measur.		Lamp	
Code	ASR ASL 1x20W	Code	CL673/11-011	Code	1006B/CL673/11-01L
Name	ASR ASL 1x20W	Name	ASR ASL 1x20W	Number	1
Line	Astra Industries 2011	Date	12-03-2011	Position	

Efficiency	100.00%	Coordinate system	C-G	Total Flux	1476.27 lm
------------	---------	-------------------	-----	------------	------------

Luminous Intensity Table cd/klm Table 6/9										
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 73.0	19.59	18.93	19.01	17.93	12.47	12.94	13.18	11.94	16.50	14.71
G 74.0	18.73	18.16	18.21	17.78	11.66	12.08	12.24	11.01	16.76	15.21
G 75.0	17.63	17.28	17.34	17.30	10.67	11.08	11.13	10.07	17.32	15.05
G 76.0	16.66	16.54	16.17	16.41	9.88	10.09	10.27	9.30	17.19	14.46
G 77.0	15.70	15.62	15.33	15.55	9.11	9.21	9.12	8.21	15.85	13.54
G 78.0	14.72	14.50	14.50	14.24	8.11	8.18	8.22	7.52	13.92	12.58
G 79.0	13.59	13.13	13.58	11.85	7.36	7.32	7.12	6.63	12.10	11.49
G 80.0	10.07	10.73	11.39	8.71	6.47	6.23	6.21	5.71	10.11	10.07
G 81.0	6.57	6.96	7.50	5.20	5.61	5.30	5.33	4.88	7.54	8.73
G 82.0	4.16	3.93	4.54	4.07	4.64	4.37	4.51	4.15	4.41	5.61
G 83.0	3.34	3.06	3.33	3.41	3.72	3.60	3.60	3.36	3.31	3.19
G 84.0	2.71	2.54	2.71	2.79	3.00	2.80	2.81	2.75	2.64	2.37
G 85.0	2.15	1.94	2.13	2.18	2.24	2.14	2.24	2.07	2.05	1.89
G 86.0	1.69	1.53	1.64	1.63	1.76	1.66	1.72	1.48	1.51	1.46
G 87.0	1.25	1.12	1.20	1.18	1.28	1.20	1.23	1.13	1.11	0.97
G 88.0	0.85	0.79	0.86	0.78	0.93	0.85	0.83	0.76	0.73	0.65
G 89.0	0.66	0.60	0.64	0.61	0.63	0.62	0.61	0.57	0.54	0.49
G 90.0	0.57	0.60	0.58	0.70	0.63	0.62	0.62	0.54	0.51	0.47
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measurem.				Lamp							
Code	ASR ASL 1x20W			Code	CL673/11-01I			Code	1006B/CL673/11-01L						
Name	ASR ASL 1x20W			Name	ASR ASL 1x20W			Number	1						
Line	Astra Industries 2011			Date	12-03-2011			Position							
Efficiency				100.00%				Coordinate system		C-G		Total Flux		1476.27 lm	
Luminous Intensity Table cd/klm										Table 7/9					
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00		
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Luminaire				Measurem.				Lamp					
Code	ASR ASL 1x20W			Code	CL673/11-01L			Code	1006B/CL673/11-01L				
Name	ASR ASL 1x20W			Name	ASR ASL 1x20W			Number	1				
Line	Astra Industries 2011			Date	12-03-2011			Position					
Efficiency	100.00%			Coordinate system	C-G			Total Flux	1476.27 lm				
Luminous Intensity Table cd/klm								Table 8/9					
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire		Measur.		Lamp	
Code	ASR ASL 1x20W	Code	CL673/11-011	Code	1006B/CL673/11-01L
Name	ASR ASL 1x20W	Name	ASR ASL 1x20W	Number	1
Line	Astra Industries 2011	Date	12-03-2011	Position	

Efficiency	100.00%	Coordinate system	C-G	Total Flux	1476.27 lm
------------	---------	-------------------	-----	------------	------------

Luminous Intensity Table cd/klm Table 9/9										
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

