

Test Report

Luminaire Manufacturer

C Luce Srl

Lighting Device

613641.224 SLY 24W 350mA 60°4000K

Test Report Code

1006A/CL2303/19-06I-RV01-G1



	
Approved by Laboratory Director (PT-DLAB)	Approved by Laboratory Technician

Report Date 10/04/20

Attachments		
	▶ Photometric Test Report	<input checked="" type="checkbox"/>
	▶ Electrical Parameters Measurement	<input checked="" type="checkbox"/>
	▶ Results of TSI Photometric Test	<input type="checkbox"/>
	▶ Colorimetric Test Report	<input checked="" type="checkbox"/>
	▶ Colorimetric and Luminance Test Report	<input type="checkbox"/>
	▶ Photobiological Risk Test Report	<input checked="" type="checkbox"/>
	▶ Emergency Test Report	<input type="checkbox"/>
	▶ Parasite Light Test (Background Noise Assessment)	<input type="checkbox"/>
	▶ Declaration of Conformity to Regional Laws regarding Light Pollution	<input type="checkbox"/>
	▶ Conformity Assessment to IMQ Performance - April 2014	<input type="checkbox"/>
	▶ Measuring system check	<input type="checkbox"/>
	▶ List of photometric data processing attached	<input checked="" type="checkbox"/>

Index

1.	Photometric Test Report	3
1.1	Electrical Parameters during Test.....	5
1.2	Test Notes.....	5
2.	Colorimetric Test Report	6
2.1	Test Notes.....	7
3.	Photobiological Risk Test Report.....	8
3.1	Results of Colorimetric Measurement (dist. 2.31 m)	10
3.1.1	Values and spectrum of the spectral radiance measurement in the direction of maximum 10	
	intensity at C 240° - γ 10°	10
3.1.2	Photobiological Risk Classification	11
3.2	Test Notes.....	11
4.	List of Photometric Data Processing Attached	11

1. Photometric Test Report

Test Code	1006A/CL2303/19-06I-RV01-G1
-----------	-----------------------------

Laboratory Director	Mr. Stefano Borsani
Laboratory Technician	Mr. Abdellatif Zaher

Manufacturer Data	
Manufacturer	C Luce Srl
OxyTech Manufacturer Code	CL2303
Address	Via Marmolada, 5/11 - 20060 Truccazzano (MI)
Contact Person	Mr. Mirko Del Giudice

Lighting Device Data	
Type	Interior Luminaire
Model	SLY
Description	613641.224 SLY 24W 350mA 60°4000K
Dimensions [mm]	1130-50-65
Light Area Dimensions [mm]	1128-45-0
Led Type and Make	---
Ballast Type and Make	---
Heat Sink Type and Make	---
Lamp Type and Power [W]	LED 27.40W
Laboratory Ballast/ Lamp References	1006B/CL2303/19-06L-G1

Test Data	
Test Date	11-09-19
Measurement Type	Asymmetric C-γ
Reference Norm	EN 13032-4: 2015
Internal Document Reference	Procedure PT1006a Instruction IS1006e
Lamp Stabilization Time	45 min

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

Laboratory Measuring Instruments

Goniophotometer (G1)	T2 Luminaire rotation Goniophotometer in accordance with:	
	<ul style="list-style-type: none"> ▶ Norm EN 13032-1:2004 types 1.1, 1.2 and 1.3 ▶ Recommendation CIE 70:1987 Chap.5 types 2 and 3 	
	Serial Number: OX-048	
	Measuring distance: 9.11 m	
Voltage Stabilizer	Electrotest model TPS/M 6000-	Serial Number: OX037
Multimeter	Kinetiq Ppa5530	Serial Number: OX-031
Luxmeter	C&G Labolux	Serial Number: OX-049
Anemometer	Delta Ohm-HD2001.2	Serial Number: OX-039
Thermometer	Delta Ohm-HD2001.2	Serial Number: OX-040

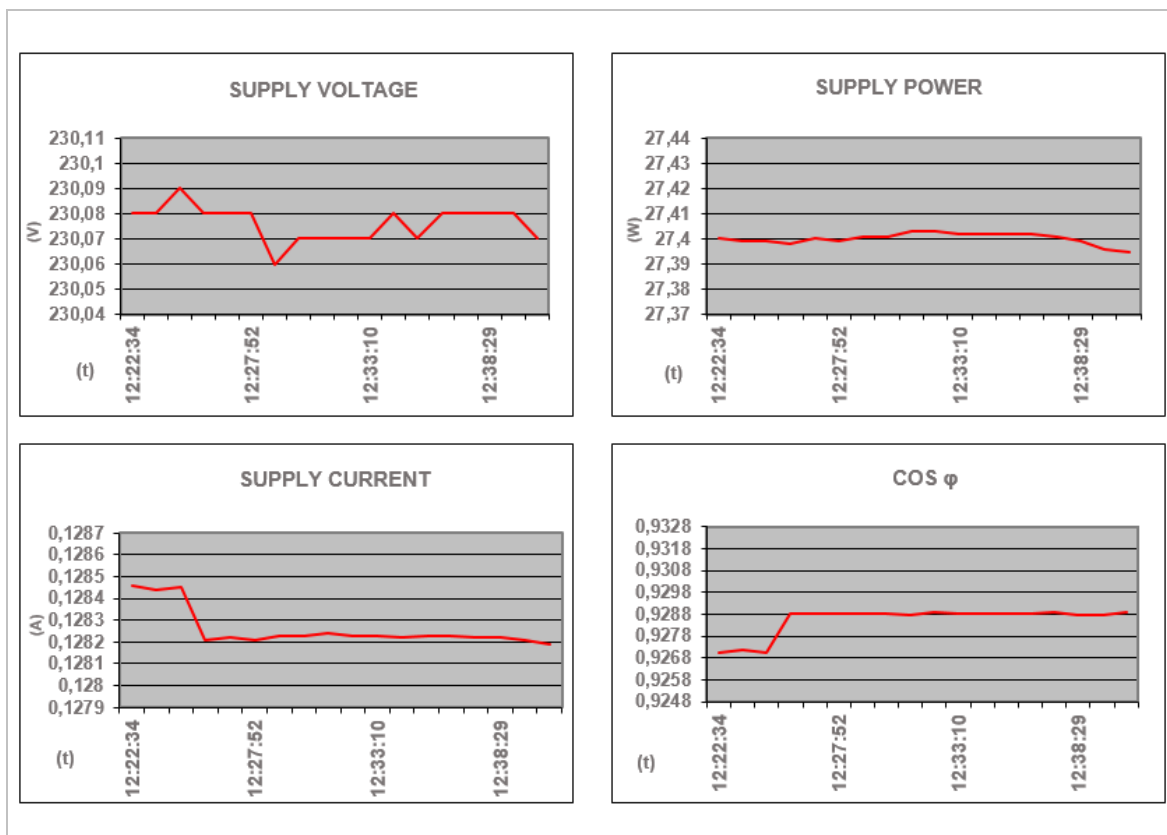
Electrical Test Parameters

Type of Source	<input checked="" type="checkbox"/> Mains	<input type="checkbox"/> Battery
Source Voltage	230 V \pm 0.2%	
Harmonic Distortion	< 0,5%	
Source frequency	50 Hz \pm 0.1%	

Environmental Conditions

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

1.1 Electrical Parameters during Test



1.2 Test Notes

- The data in this report correspond to those obtained as per the above-described test
- This Report only concerns the sample under trial
- The information contained in this report cannot be extended to other sample luminaires that differ in any way from those used in this test
- The Test Report Code is shown on the luminaire shield and reflector and cannot be deleted

	
Approved by Laboratory Director (PT-DLAB)	Approved by Laboratory Technician

2. Colorimetric Test Report

Colorimetric Test Code	1006A/CL2303/20-01I-Col-G1
------------------------	----------------------------

Laboratory Director	Mr. Stefano Borsani
Laboratory Technician	Mr. Abdellatif Zaher

Manufacturer Data	
Manufacturer	C Luce Srl
OxyTech Manufacturer Code	CL2303
Address	Via Marmolada, 5/11 - 20060 Truccazzano (MI)
Contact Person	Mr. Mirko Del Giudice

Lighting Device Data	
Type	Interior Luminaire
Model	SLY
Description	613641.224 SLY 24W 350mA 60°4000K
Dimensions [mm]	1130-50-65
Light Area Dimensions [mm]	1128-45-0
Led Type and Make	---
Ballast Type and Make	---
Heat Sink Type and Make	---
Laboratory Ballast/Lamp References	---

Test Data	
Test Date	08-04-20
Measurement Type	Asymmetric C-γ
Reference Norm	EN 13032-4:2015
Internal Reference Documents	Procedure PT1006c Instruction IS1006c
Lamp Stabilization Time	30 min

Uncertainties	
Source Instability	=< 1%
Angular Precision in C and γ	± 0.05°

Laboratory Measuring Instruments

Goniophotometer (G1)	T2 Luminaire rotation Goniophotometer in accordance with:	
	<ul style="list-style-type: none"> ▶ Norm EN 13032-1:2004 types 1.1, 1.2 and 1.3 ▶ Recommendation CIE 70:1987 Chap.5 types 2 and 3 	
	Serial Number: OX-048	
	Measuring distance: 5.66 m	
Voltage Stabilizer	Electrotest model TPS/M 6000-	Serial Number: OX-037
Multimeter	Kinetiq Ppa5530	Serial Number: OX-031
Anemometer	Delta Ohm-HD2001.2	Serial Number: OX-039
Thermometer	Delta Ohm-HD2001.2	Serial Number: OX-040
Colorimeter	Jeti Spectroradiometer Specbos 1201 Focus	Serial Number: OX-030

Electrical Parameters Test

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

Environmental Conditions

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

Colorimetric Characteristics

Measurement Description	1. The colorimetric measurement is performed in fixed positions.
-------------------------	--

2.1 Test Notes

- The data in this report correspond to those obtained as per the above-described test
- This Report only concerns the sample under trial
- The information contained in this report cannot be extended to other sample luminaires that differ in any way from those used in this test
- The Test Report Code is shown on the luminaire shield and reflector and cannot be deleted

	
Approved by Laboratory Director (PT-DLAB)	Approved by Laboratory Technician

3. Photobiological Risk Test Report

Colorimetric Test Code	1006A/CL2303/20-01I-Col-G1
------------------------	----------------------------

Laboratory Director	Mr. Stefano Borsani
Laboratory Technician	Mr. Abdellatif Zaher

Manufacturer Data	
Manufacturer	C Luce Srl
OxyTech Manufacturer Code	CL2303
Address	Via Marmolada, 5/11 - 20060 Truccazzano (MI)
Contact Person	Mr. Mirko Del Giudice

Lighting Device Data	
Type	Interior Luminaire
Model	SLY
Description	613641.224 SLY 24W 350mA 60°4000K
Dimensions [mm]	1130-50-65
Light Area Dimensions [mm]	1128-45-0
Led Type and Make	---
Ballast Type and Make	---
Heat Sink Type and Make	---
Laboratory Ballast/Lamps References	---

Test Data	
Test Date	09-04-20
Measurement Type	Asymmetric C-γ
Reference Norm	IEC62778: 2014
Internal Reference Documents	Procedure PT1006c Instruction IS1006h
Lamp Stabilization Time	30 min

Uncertainties	
Source Instability	=< 1%
Angular Precision in C and γ	± 0.05°

Laboratory Measuring Instruments

Goniophotometer (G1)	T2 Luminaire rotation Goniophotometer in accordance with: <ul style="list-style-type: none"> Norm EN 13032-1:2004 types 1.1, 1.2 and 1.3 Reccomendation CIE 70:1987 Chap.5 types 2 and 3 Serial Number: OX-048 Measuring distance: 2.31 m	
Voltage Stabilizer	Electrotest model TPS/M 6000-	Serial Number: OX-037
Multimeter	Kinetiq Ppa5530	Serial Number: OX-031
Anemometer	Delta Ohm-HD2001.2	Serial Number: OX-039
Thermometer	Delta Ohm-HD2001.2	Serial Number: OX-040
Colorimeter	Jeti Spectroradiometer Specbos 1201 Focus	Serial Number: OX-030

Electrical Parameters Test

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

Environmental Conditions

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

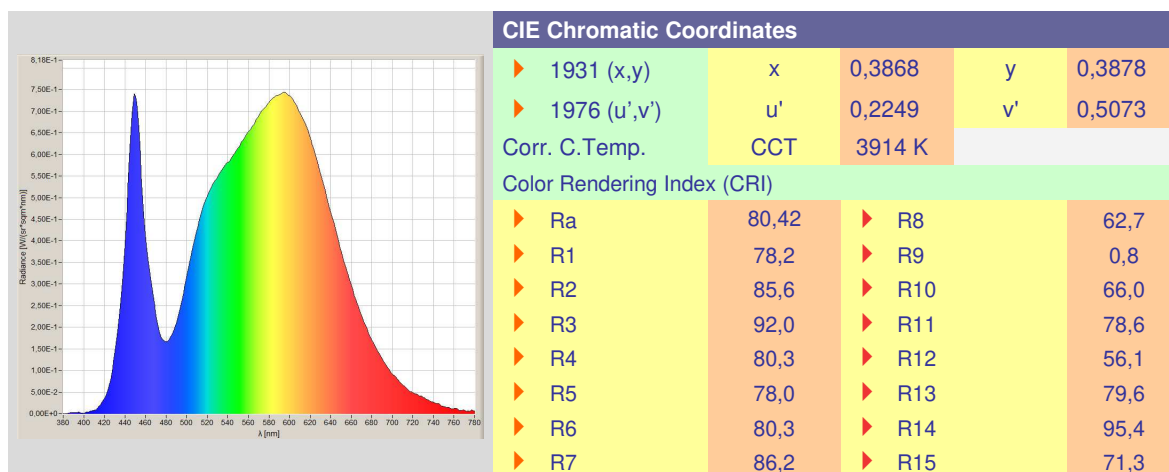
Colorimetric Characteristics

Description of Measurement	1 - Identification of the maximum intensity direction 2 - Placement of the luminaire with maximum intensity axis along the optical axis (axis passing between luminous center of luminaire with center of sensor) 3 - Placement of the spectrometer at the distance which determines an illumination value of 500 lux; measurement performed with spectrometer with irradiance filter 4 - Measurment of the spectrum in radiance in the direction of maximum intensity
----------------------------	---

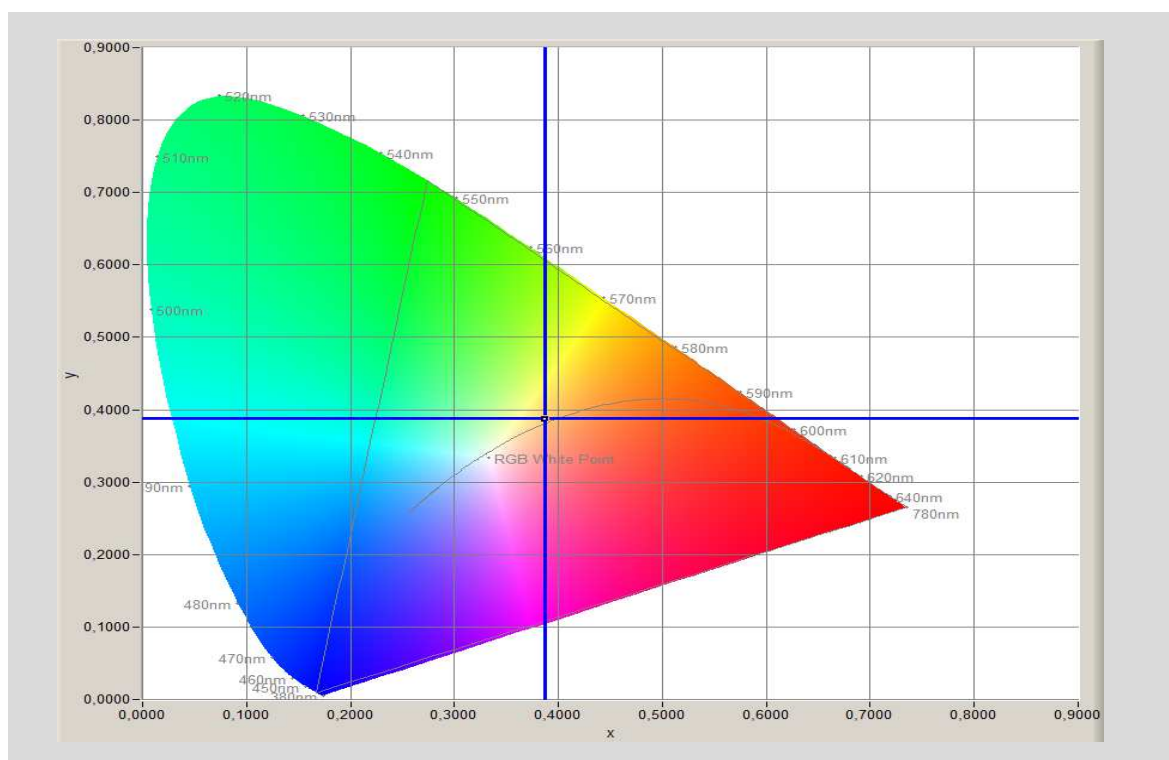
3.1 Results of Colorimetric Measurement (dist. 2.31 m)

3.1.1 Values and spectrum of the spectral radiance measurement in the direction of maximum intensity at C 240° - γ 10°

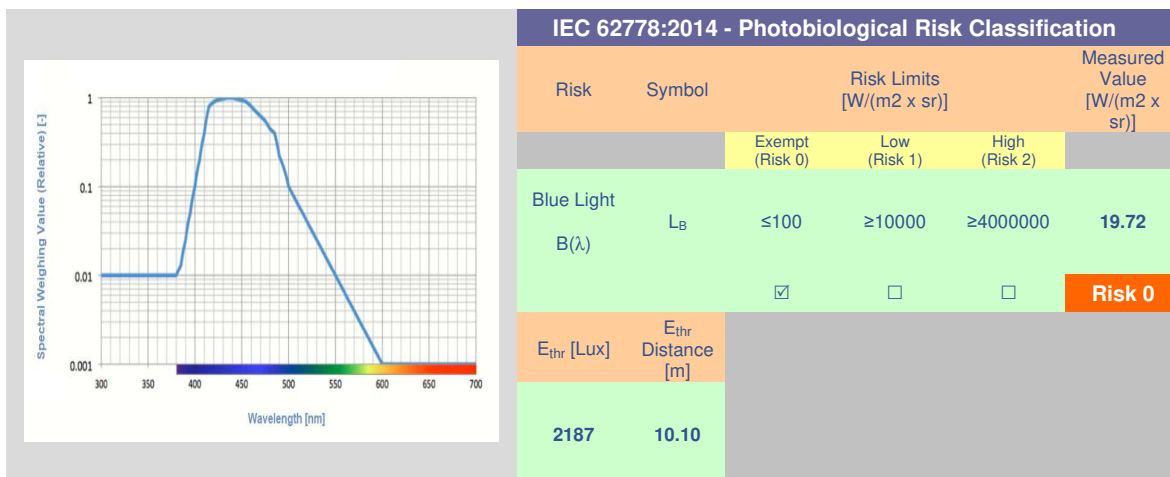
3.1.1.1 Table and graph at C 240° and γ 10°



3.1.1.2 CIE Color Plan 1931 of the spectral radiance measurement in the direction of the maximum intensity at C 240° and γ 10°



3.1.2 Photobiological Risk Classification



3.2 Test Notes

- The data in this report correspond to those obtained as per the above-described test
- This Report only concerns the sample under trial
- The information contained in this report cannot be extended to other sample luminaires that differ in any way from those used in this test
- The Test Report Code is shown on the luminaire shield and reflector and cannot be deleted

	
Approved by Laboratory Director (PT-DLAB)	Approved by Laboratory Technician

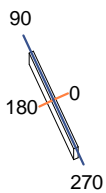
4. List of Photometric Data Processing Attached

Data Processing Index			
	o Intensity Matrix [cd/klm]		<input checked="" type="checkbox"/>
	o Polar Diagram		<input checked="" type="checkbox"/>
	o Cartesian Diagram + Beam at 50%		<input checked="" type="checkbox"/>
	o Spectral Data, Spectral Distribution and Spectrum Graph		<input checked="" type="checkbox"/>
	o CRI Graphs and McAdam's Diagram		<input checked="" type="checkbox"/>
	o IES TM-30 Parameters		<input checked="" type="checkbox"/>
	o Standard Photometric File Formats	Eulumdat	<input checked="" type="checkbox"/>
		IESNA	<input type="checkbox"/>
		OXL OxyTech	<input checked="" type="checkbox"/>

Luminaire		Measurem.		Source	
Code	613641.224	Code	CL2303/19-06I	Code	1006B/CL2303/19-06L
Name	613641.224 SLY 24W 350mA 60°4000K	Name	613641.224 SLY 24W 350mA 60°4000K	Number	1
Line	OXL	Date	11-09-2019	Position	
Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00
Rectangular Luminaire		Length	1130 mm	Width	50 mm
Rectangular Luminous Area		Length	1128 mm	Width	45 mm
Horizontal Luminous Area				Height	65 mm
Emitting area on Plane 0°	0.050760 m2			Height	0 mm
Emitting area on Plane 90°	0.000000 m2				
	0.000000 m2			Emitting area on Plane 180°	0.000000 m2
				Emitting area on Plane 270°	0.000000 m2
				Glare area at 76°	0.012280 m2
Coordinate system	CG	Symmetry Type	Asymmetrical		
Date	11-09-2019	Maximum Gamma Angle	90		
Measurement Distance	9.11	Measurement Flux	3306.66 lm		
Operator	AZ	Rated Voltage	230.09 V		
Temperature	23.90 °C	Rated Current	0.13 A		
Humidity	57.90 %	Photocell	C&G - OX049		
Notes	Power 27.40300PF 0.92717				
Luminaire Lamps					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
1006B/CL2303/19-06L	1006B/CL2303/19-06L	1006B/CL2303/19-06L	3306.66	27.40	1
C.I.E.	73 92 99 100 100	D DIN 5040	A60		
F UTE	1.00 B	B NBN	BZ 1 / 1 / BZ 2		



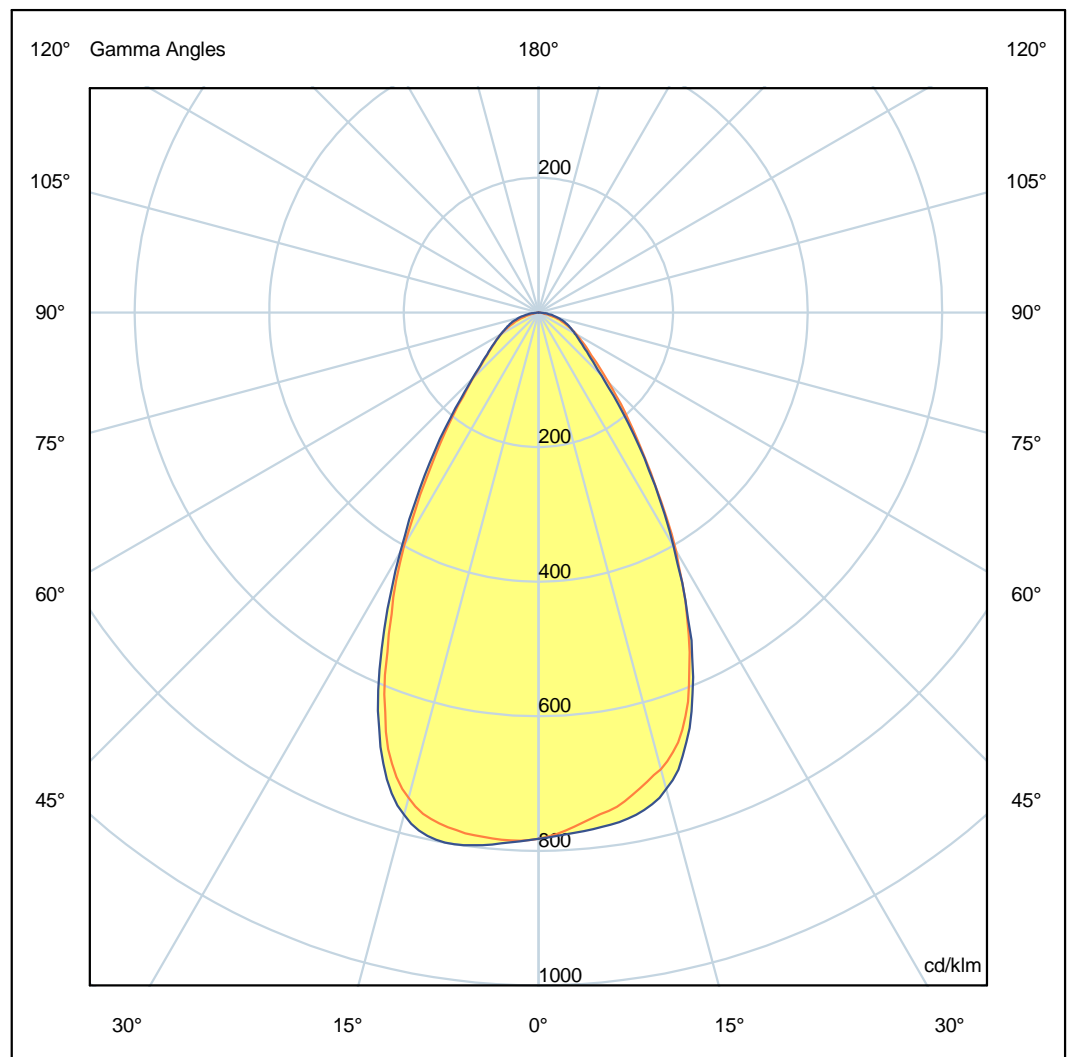
1130mm x 50mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



Luminaire				Measur.				Source					
Code	613641.224			Code	CL2303/19-06I			Code	1006B/CL2303/19-06L				
Name	613641.224 SLY 24W 350mA 60°4000K			Name	613641.224 SLY 24W 350mA 60°4000K			Number	1				
Line	OXL			Date	11-09-2019			Position					
Luminaire Flux	3306.66 lm		Luminaire Power		27.40 W		Efficacy	120.67 lm/W		Efficiency		100.00%	
Sources Flux	3306.66 lm		Maximum value		806.26 cd/klm		Position	C=240.00 G=10.00		CG		Asymmetrical	
Luminous Intensity Table cd/klm Table 1/6													
	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	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93
G 1.0	778.76	778.98	778.47	778.60	778.71	778.80	778.81	779.12	779.36	779.99	780.36	780.89	781.36
G 2.0	775.13	774.61	774.35	774.45	774.91	775.02	776.05	776.38	777.16	778.18	779.00	779.85	780.78
G 3.0	770.83	769.92	769.41	769.50	770.35	771.20	772.63	773.64	775.15	776.38	777.69	778.72	779.82
G 4.0	765.80	764.46	764.35	764.13	765.10	766.62	768.85	770.81	773.00	774.79	776.26	777.39	778.25
G 5.0	760.47	758.49	757.62	757.78	759.63	762.02	764.95	768.17	771.11	773.37	774.93	775.93	776.50
G 6.0	755.75	753.37	751.45	751.58	753.78	756.36	760.64	764.96	769.08	771.82	773.34	773.70	773.97
G 7.0	751.10	747.82	745.65	744.53	746.37	749.96	755.62	761.56	766.79	770.12	771.74	771.65	770.61
G 8.0	747.68	743.05	739.13	738.03	739.89	743.50	750.59	757.83	764.40	768.48	769.58	768.49	766.11
G 9.0	743.63	737.60	733.22	730.78	732.47	736.30	744.76	753.69	761.57	766.45	767.31	764.49	761.25
G 10.0	737.66	730.40	726.18	722.87	723.37	728.03	737.36	748.61	758.32	763.39	764.12	760.04	754.57
G 11.0	730.21	721.42	715.24	712.86	714.66	719.89	729.93	743.06	754.52	760.38	760.03	753.92	746.64
G 12.0	723.27	712.92	704.90	701.63	704.47	711.21	721.78	735.31	749.47	755.83	755.03	746.39	737.89
G 13.0	715.82	703.58	693.27	688.22	691.15	699.88	710.70	727.97	742.92	749.84	747.95	738.03	726.36
G 14.0	708.45	695.27	681.23	673.97	677.04	688.42	700.85	718.03	734.99	743.14	740.35	727.40	713.72
G 15.0	702.69	686.04	669.68	658.72	660.10	671.97	688.83	706.50	725.05	732.88	730.05	714.92	700.57
G 16.0	693.47	677.06	659.39	645.44	642.26	654.23	674.22	694.73	713.28	722.64	718.66	700.41	685.53
G 17.0	682.68	664.72	644.71	630.46	626.38	637.40	660.16	679.10	700.76	710.20	703.50	686.29	666.93
G 18.0	671.58	651.89	630.72	614.22	608.12	617.21	641.75	663.37	684.90	693.02	688.84	667.15	648.28
G 19.0	656.08	636.05	615.77	597.10	589.12	596.20	621.21	645.17	666.92	674.77	669.21	649.87	627.39
G 20.0	638.38	620.18	597.11	579.48	570.79	576.96	602.61	625.51	646.98	656.83	649.94	628.91	605.85
G 21.0	619.68	598.16	577.14	563.37	551.49	556.09	580.18	606.83	626.91	634.62	626.94	608.94	584.91
G 22.0	596.06	577.38	557.71	539.52	532.43	534.24	557.60	584.76	601.30	611.00	605.28	586.50	562.33
G 23.0	573.62	554.00	535.60	520.66	512.86	513.49	534.56	559.70	578.18	588.30	578.12	564.53	540.02
G 24.0	552.37	531.77	514.10	497.86	495.56	494.72	510.31	538.07	553.00	560.89	555.10	538.67	519.08
G 25.0	527.55	512.15	492.97	477.50	474.65	474.91	489.30	512.60	526.29	537.37	528.62	518.73	496.77
G 26.0	503.75	487.31	470.68	457.24	453.46	455.79	467.04	489.28	499.49	506.21	502.34	492.89	478.01
G 27.0	480.75	464.13	449.80	438.09	432.57	439.03	445.83	466.20	474.41	480.39	476.34	471.15	457.91
G 28.0	454.86	442.19	431.69	418.47	414.38	421.70	425.47	442.83	446.87	454.34	453.57	447.66	440.63
G 29.0	429.99	420.74	410.59	399.47	394.69	406.02	407.90	420.90	423.17	426.15	428.62	424.67	422.28
G 30.0	409.42	398.52	390.57	382.36	379.48	388.78	388.84	396.16	398.67	401.34	404.53	402.41	403.30
G 31.0	383.97	376.06	371.58	365.58	362.94	370.33	373.55	374.34	374.88	377.80	381.14	383.09	385.96
G 32.0	359.38	352.33	352.29	348.11	346.90	354.17	356.74	354.89	351.71	353.50	358.55	362.31	371.44
G 33.0	334.80	332.23	331.72	332.68	333.32	339.58	339.97	336.15	329.91	330.11	337.02	342.58	355.73
G 34.0	310.47	309.31	313.79	316.16	319.30	322.74	327.34	316.86	309.41	309.87	318.26	324.41	340.27
G 35.0	290.85	287.40	293.86	300.25	305.36	309.97	314.96	298.65	289.08	286.15	297.83	307.02	326.66
G 36.0	270.83	269.39	274.80	282.90	291.98	296.42	301.20	282.00	271.50	267.68	279.06	290.45	312.08
G 37.0	252.74	249.70	257.03	265.78	279.16	283.44	287.37	266.80	252.90	248.00	261.24	275.71	299.50
G 38.0	237.16	233.08	238.24	251.46	267.26	271.89	272.85	252.18	235.50	229.13	243.23	261.16	283.22
G 39.0	222.37	219.22	223.32	235.35	254.76	258.48	258.27	237.31	220.21	211.26	225.69	245.74	269.71
G 40.0	208.22	204.52	209.19	219.48	241.74	247.35	245.20	225.39	202.84	195.98	209.28	232.11	255.51
G 41.0	196.00	193.01	194.52	205.00	227.81	236.59	231.28	210.67	188.72	180.36	193.83	218.85	241.33
G 42.0	182.41	180.47	184.12	191.15	213.91	225.80	217.66	198.78	174.75	165.98	179.06	203.63	229.02
G 43.0	169.52	169.34	172.52	179.93	200.72	213.61	204.69	185.86	161.48	152.76	164.87	191.59	215.38
G 44.0	158.27	157.21	161.50	166.95	187.92	202.98	193.04	171.88	149.49	141.07	152.23	178.17	202.18
G 45.0	147.70	146.41	150.79	157.92	177.50	193.57	180.64	161.09	139.40	132.21	140.99	165.76	189.35
G 46.0	138.26	137.37	140.09	147.49	165.59	182.66	168.62	150.90	129.69	122.33	131.36	153.96	176.35
G 47.0	130.08	128.35	130.60	138.69	154.39	172.51	157.11	139.69	120.79	115.05	122.51	144.35	163.89
G 48.0	121.58	120.98	123.19	129.87	145.21	161.69	147.44	130.89	114.17	108.68	115.47	134.49	153.25
G 49.0	114.55	113.64	115.54	121.50	135.26	150.94	136.73	123.39	107.29	102.17	108.36	125.69	141.90
G 50.0	107.41	106.83	108.56	112.96	125.58	140.51	127.20	114.60	101.04	96.74	101.91	117.70	131.29
G 51.0	101.08	100.40	102.17	106.65	118.18	130.90	117.46	108.35	95.83	92.29	96.86	110.34	122.26
G 52.0	95.94	94.69	97.18	100.08	110.41	122.40	110.34	101.91	90.48	87.71	91.42	103.42	112.40
G 53.0	91.43	90.26	91.41	94.03	102.63	113.84	103.20	95.68	85.70	83.53	86.31	97.82	104.25
G 54.0	87.68	86.61	86.66	88.44	96.22	105.94	97.72	89.93	81.36	79.80	82.07	91.72	98.14
G 55.0	83.31	82.92	82.66	83.70	90.08	99.55	91.07	84.78	77.36	76.18	78.15	86.80	91.01
G 56.0	79.20	79.04	79.09	79.15	84.74	92.73	85.34	79.88	74.06	73.01	74.37	81.63	85.35
G 57.0	75.57	75.44	76.24	74.93	79.26	85.74	80.20	75.50	70.63	70.31	70.84	76.56	81.29
G 58.0	71.69	71.82	72.56	71.82	74.08	80.14	75.44	71.28	67.50	67.49	67.93	72.75	77.16
G 59.0	68.31	68.61	69.52	68.84	69.40	74.71	71.32	67.45	64.51	64.84	64.67	68.71	72.96
G 60.0	65.47	65.25	66.44	65.94	65.16	70.15	67.37	64.15	61.81	62.29	61.94	64.97	69.14
G 61.0	62.32	62.71	63.26	63.59	61.34	65.50	63.66	60.51	59.12	60.11	59.45	61.86	65.32
G 62.0	58.80	59.44	60.04	61.23	58.02	61.24	59.78	57.61	56.90	57.74	56.95	58.55	61.11
G 63.0	55.64	56.45	57.10	57.35	54.58	57.27	56.42						

Luminaire				Measur.				Source							
Code	613641.224			Code	CL2303/19-06I			Code	1006B/CL2303/19-06L						
Name	613641.224 SLY 24W 350mA 60°4000K			Name	613641.224 SLY 24W 350mA 60°4000K			Number	1						
Line	OXL			Date	11-09-2019			Position							
Luminaire Flux		3306.66 lm		Luminaire Power		27.40 W		Efficacy		120.67 lm/W		Efficiency		100.00%	
Sources Flux		3306.66 lm		Maximum value		806.26 cd/klm		Position		C=240.00 G=10.00		CG		Asymmetrical	
Luminous Intensity Table cd/klm														Table 2/6	
	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	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	
G 1.0	781.90	782.40	783.06	783.30	784.03	783.88	784.68	784.77	784.96	785.26	785.13	784.99	784.69	784.69	
G 2.0	781.53	782.33	783.28	784.07	785.20	785.16	786.35	786.74	787.57	788.15	788.23	788.17	787.58	787.58	
G 3.0	780.55	781.60	782.76	783.99	785.49	785.59	787.37	788.37	789.61	790.39	791.16	791.01	790.56	790.56	
G 4.0	779.12	780.10	781.35	782.81	784.65	785.20	787.77	789.43	791.64	793.00	793.80	794.13	793.70	793.70	
G 5.0	776.76	777.76	778.79	780.81	783.38	784.51	787.86	790.37	793.17	795.36	796.60	797.29	796.74	796.74	
G 6.0	773.81	774.26	775.35	777.92	781.57	783.53	787.98	791.37	794.85	797.37	799.28	800.08	799.65	799.65	
G 7.0	769.69	769.74	771.16	775.01	779.61	782.60	788.16	792.52	796.74	799.65	801.63	802.56	802.05	802.05	
G 8.0	764.06	764.29	766.62	771.22	776.92	781.31	788.30	793.51	798.13	801.49	803.67	804.54	804.43	804.43	
G 9.0	757.76	757.67	760.62	766.13	773.38	778.87	787.43	793.85	799.61	803.19	805.33	805.99	805.95	805.95	
G 10.0	750.94	750.68	753.71	760.03	769.37	776.56	785.91	792.93	799.61	803.85	805.87	806.26	806.23	806.23	
G 11.0	741.45	740.04	743.97	753.11	764.34	773.28	784.25	791.61	797.78	802.78	805.39	805.47	805.37	805.37	
G 12.0	731.04	729.63	734.00	745.19	758.85	769.21	781.22	789.21	795.17	799.04	803.13	803.08	802.99	802.99	
G 13.0	718.30	716.83	722.37	736.22	752.55	764.30	776.33	784.34	790.37	794.33	798.23	798.98	797.68	797.68	
G 14.0	704.16	702.33	710.08	725.43	743.92	756.49	769.81	777.95	783.84	787.23	790.30	792.07	791.14	791.14	
G 15.0	687.54	685.65	695.84	712.91	732.59	746.63	760.54	769.75	773.69	776.78	779.43	783.22	781.70	781.70	
G 16.0	670.91	670.31	680.05	698.68	721.10	736.05	749.69	756.66	761.37	763.53	767.20	770.99	770.18	770.18	
G 17.0	651.79	653.61	663.42	683.99	706.70	721.88	735.66	742.35	747.68	747.68	751.76	756.80	754.88	754.88	
G 18.0	631.95	632.86	644.39	666.42	689.40	704.51	718.09	724.33	729.04	730.77	733.14	738.39	738.00	738.00	
G 19.0	612.18	613.12	624.59	646.49	671.99	686.09	697.66	704.88	707.86	708.98	712.12	717.58	717.98	717.98	
G 20.0	590.26	593.31	605.30	625.09	649.62	662.97	677.09	682.80	686.41	687.22	689.78	694.38	695.87	695.87	
G 21.0	570.72	572.65	583.71	603.76	625.30	635.66	651.81	657.24	661.16	663.27	665.59	671.93	673.07	673.07	
G 22.0	549.43	550.61	560.56	577.03	601.07	612.00	621.96	632.86	634.21	638.94	642.68	646.16	645.21	645.21	
G 23.0	530.87	528.51	535.31	551.51	573.43	584.94	597.14	601.88	607.93	609.87	616.06	620.24	623.30	623.30	
G 24.0	507.28	506.04	511.48	528.76	546.62	551.98	569.52	576.14	576.24	584.67	591.48	593.20	593.29	593.29	
G 25.0	488.58	485.83	487.04	502.48	522.11	527.27	539.86	544.18	548.93	556.44	563.94	566.81	565.59	565.59	
G 26.0	468.04	463.44	465.56	477.90	495.09	498.23	512.64	517.78	521.38	529.05	540.03	539.06	538.98	538.98	
G 27.0	448.16	441.05	441.24	455.32	468.28	475.29	483.85	489.55	493.29	504.61	516.90	517.67	511.59	511.59	
G 28.0	429.34	419.47	420.76	428.65	445.61	450.66	462.01	464.15	466.24	476.93	492.39	494.26	487.45	487.45	
G 29.0	412.58	400.58	397.22	409.51	422.76	425.31	436.53	439.70	440.73	451.15	468.81	471.87	459.23	459.23	
G 30.0	392.65	378.49	378.11	391.15	401.67	399.68	411.66	418.83	417.46	426.20	445.48	450.45	434.34	434.34	
G 31.0	376.90	359.49	357.30	371.50	374.58	369.99	381.74	395.12	393.47	403.71	426.33	430.89	411.08	411.08	
G 32.0	359.53	343.23	342.97	349.39	350.28	345.84	360.06	370.99	376.76	381.57	405.18	413.50	389.03	389.03	
G 33.0	342.87	325.64	328.21	327.66	329.54	322.89	334.88	345.36	356.49	361.54	384.79	393.75	370.10	370.10	
G 34.0	327.74	308.64	312.23	308.15	303.85	299.36	311.14	324.30	338.11	341.38	365.72	376.36	350.22	350.22	
G 35.0	312.17	292.44	293.53	288.05	284.19	277.70	289.61	301.78	317.70	325.88	346.73	360.18	333.59	333.59	
G 36.0	296.37	281.49	275.72	268.30	263.78	259.86	268.77	281.73	298.00	311.96	330.79	341.86	315.73	315.73	
G 37.0	281.15	271.47	259.33	251.33	245.43	241.81	252.00	261.30	279.85	296.81	313.26	327.27	301.02	301.02	
G 38.0	268.03	259.43	243.65	233.55	230.77	225.60	236.26	244.82	262.88	282.55	298.18	310.59	283.06	283.06	
G 39.0	254.50	244.61	227.35	218.10	215.34	210.19	219.54	227.68	243.65	268.37	280.74	294.30	268.42	268.42	
G 40.0	241.15	232.25	212.58	207.26	200.28	195.25	202.80	213.45	228.24	248.86	264.43	278.26	253.01	253.01	
G 41.0	228.23	218.62	197.39	192.13	186.15	181.03	189.47	199.77	212.58	235.63	249.90	263.13	237.85	237.85	
G 42.0	216.32	205.36	184.96	179.18	172.50	167.42	174.69	185.36	198.45	220.64	236.69	247.32	223.47	223.47	
G 43.0	204.40	192.25	174.78	166.66	160.39	157.01	163.86	171.22	187.15	206.58	226.37	231.91	209.94	209.94	
G 44.0	197.45	181.12	166.29	154.84	149.74	147.44	151.92	159.16	176.38	192.66	215.34	218.40	194.56	194.56	
G 45.0	189.27	168.03	155.65	144.08	140.85	137.80	142.56	148.85	163.23	178.33	201.83	204.07	182.33	182.33	
G 46.0	177.39	158.01	144.38	135.77	131.43	128.64	133.41	139.12	152.21	167.60	190.49	190.14	170.04	170.04	
G 47.0	166.84	147.52	132.84	126.48	123.78	120.64	124.66	130.46	141.44	156.05	179.05	176.60	158.15	158.15	
G 48.0	156.24	137.99	124.77	119.67	115.84	113.53	117.33	122.55	131.57	146.53	165.89	165.31	148.81	148.81	
G 49.0	145.51	130.89	116.94	113.61	109.55	107.06	109.77	115.99	122.87	137.65	155.46	153.10	139.11	139.11	
G 50.0	135.38	124.36	110.11	106.78	103.21	101.30	103.79	108.73	115.38	129.23	144.20	141.59	129.33	129.33	
G 51.0	126.78	114.95	104.29	100.70	97.85	96.91	98.66	102.54	108.89	121.01	135.51	131.79	121.86	121.86	
G 52.0	118.57	107.49	98.80	95.57	93.41	92.66	94.18	97.10	102.64	112.03	125.94	121.89	114.11	114.11	
G 53.0	110.58	100.25	93.14	90.39	89.62	88.27	90.53	92.23	97.73	104.74	116.75	112.41	106.93	106.93	
G 54.0	103.06	94.30	88.44	86.55	86.01	84.23	86.33	87.86	91.04	98.16	108.22	105.40	100.95	100.95	
G 55.0	95.99	88.38	84.22	82.99	81.82	80.45	82.08	84.63	86.51	91.80	100.60	98.49	95.40	95.40	
G 56.0	89.09	82.99	79.90	80.24	78.27	77.30	78.92	80.86	81.88	85.46	92.83	92.87	88.61	88.61	
G 57.0	82.51	78.06	76.32												

Luminaire			Measur.			Source				
Code	613641.224		Code	CL2303/19-06I		Code	1006B/CL2303/19-06L			
Name	613641.224 SLY 24W 350mA 60°4000K		Name	613641.224 SLY 24W 350mA 60°4000K		Number	1			
Line	OXL		Date	11-09-2019		Position				
Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W	Efficiency	100.00%			
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00	CG	Asymmetrical			
Luminous Intensity Table cd/klm Table 3/6										
	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	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93	781.93
G 1.0	784.73	784.05	783.38	782.87	782.26	781.50	780.72	780.27	779.32	779.10
G 2.0	787.15	786.14	785.09	783.93	782.45	780.85	779.27	778.28	776.65	775.74
G 3.0	789.99	788.44	786.76	784.89	782.59	780.22	777.56	775.35	772.95	771.89
G 4.0	792.64	790.72	788.65	785.94	782.59	779.29	775.85	772.67	769.31	767.21
G 5.0	795.39	793.49	790.34	786.82	782.80	778.29	774.19	770.03	765.93	763.03
G 6.0	798.00	795.56	792.01	787.71	782.66	777.44	772.13	767.77	763.09	759.29
G 7.0	800.44	797.54	793.44	788.27	782.41	776.38	771.04	765.86	760.29	755.92
G 8.0	802.39	799.00	794.36	788.44	781.72	775.52	769.35	764.05	758.77	753.46
G 9.0	803.45	799.87	794.66	787.92	780.78	774.08	767.97	762.94	756.71	750.46
G 10.0	803.68	799.56	793.86	786.88	779.20	772.12	766.84	760.40	752.75	744.56
G 11.0	802.48	798.21	791.96	784.54	776.65	770.21	764.28	756.16	746.68	738.80
G 12.0	800.12	795.02	788.47	780.93	773.04	766.75	759.18	749.59	739.50	730.78
G 13.0	795.40	790.00	783.94	775.45	767.99	761.94	750.87	740.24	732.36	724.21
G 14.0	788.50	782.65	776.64	768.62	761.61	753.85	741.91	730.94	724.40	717.64
G 15.0	778.84	772.76	767.02	759.13	754.24	743.49	729.20	720.87	715.72	711.80
G 16.0	767.95	761.72	754.97	748.65	742.53	728.65	714.21	707.62	706.65	703.31
G 17.0	751.43	746.83	741.09	735.16	728.91	714.24	699.67	696.01	696.32	691.91
G 18.0	735.21	729.10	723.67	719.27	713.90	694.20	683.18	681.44	680.33	678.63
G 19.0	715.30	708.58	703.72	703.07	695.25	675.39	664.21	663.95	664.70	662.36
G 20.0	691.62	686.82	683.79	681.26	674.07	653.89	647.04	647.03	647.46	643.64
G 21.0	667.06	661.45	660.00	661.78	652.96	633.58	627.55	623.96	624.76	622.57
G 22.0	639.84	637.99	634.27	638.09	625.57	609.75	605.22	600.58	601.67	602.57
G 23.0	611.45	609.89	607.53	613.00	602.22	587.95	581.89	578.68	580.67	579.06
G 24.0	584.16	581.03	579.00	586.94	576.27	564.82	557.57	552.95	556.08	554.65
G 25.0	554.94	551.21	549.42	562.21	550.12	542.28	535.75	529.13	531.17	529.25
G 26.0	526.13	523.32	524.50	532.56	525.36	522.67	510.58	506.84	506.04	507.25
G 27.0	497.64	494.20	495.35	508.29	501.88	500.68	485.76	483.07	482.03	482.83
G 28.0	469.92	465.30	470.27	481.19	478.78	476.68	464.51	457.05	461.74	456.89
G 29.0	445.70	438.33	442.51	455.62	456.36	456.19	442.00	436.72	435.94	434.50
G 30.0	420.23	410.95	415.93	430.30	436.17	434.23	419.35	416.01	416.11	411.19
G 31.0	396.61	385.51	390.52	408.10	415.77	412.97	401.79	396.41	394.43	387.71
G 32.0	372.93	362.25	369.50	384.37	397.84	394.55	382.83	378.48	371.97	362.22
G 33.0	350.48	338.27	343.98	363.85	379.96	375.47	364.48	359.87	349.16	340.72
G 34.0	329.08	315.73	323.09	343.16	363.39	358.22	348.95	341.83	328.77	309.56
G 35.0	311.04	295.59	302.40	324.91	347.81	343.11	333.27	323.17	304.64	292.26
G 36.0	291.39	275.47	283.08	307.27	332.43	328.28	316.99	305.03	285.12	274.08
G 37.0	272.59	254.19	264.61	290.95	316.45	312.49	304.51	286.49	265.95	254.97
G 38.0	254.49	237.89	246.37	274.96	299.38	298.78	290.34	269.56	247.12	238.31
G 39.0	238.72	219.12	230.97	259.50	284.56	285.79	273.47	251.70	229.60	224.44
G 40.0	219.76	203.06	212.87	244.44	266.91	271.77	258.79	233.69	216.41	208.97
G 41.0	204.67	188.43	197.65	231.10	253.26	257.06	242.95	219.02	202.89	195.57
G 42.0	189.52	172.98	182.90	215.89	238.63	246.01	227.57	202.69	190.40	183.87
G 43.0	173.35	161.06	171.14	203.29	224.43	235.41	215.69	190.06	179.06	170.67
G 44.0	162.25	149.13	157.98	190.07	210.59	223.23	202.17	177.77	166.95	158.94
G 45.0	150.83	139.76	147.56	177.57	198.57	212.78	189.26	166.94	155.30	149.01
G 46.0	141.48	130.99	137.62	166.01	184.40	201.56	176.25	156.88	144.47	139.19
G 47.0	132.98	123.05	129.20	155.22	171.83	188.45	165.14	147.61	135.86	130.21
G 48.0	124.60	116.14	122.00	145.65	161.19	175.52	152.82	137.25	126.47	122.35
G 49.0	117.09	109.55	114.72	137.31	150.02	163.07	141.68	127.59	119.22	114.92
G 50.0	110.38	103.47	108.07	128.62	140.15	151.42	132.39	119.30	111.90	108.37
G 51.0	104.30	98.26	101.95	120.31	130.01	140.51	124.57	111.67	105.19	101.10
G 52.0	98.61	94.32	97.03	112.59	120.67	131.71	115.99	104.66	99.70	95.95
G 53.0	93.04	89.60	91.76	105.21	112.90	122.79	108.05	98.18	93.93	91.09
G 54.0	88.46	85.19	86.91	98.59	105.23	114.53	100.69	92.48	88.89	87.51
G 55.0	83.71	81.29	82.48	93.30	99.06	106.67	93.48	86.50	84.93	83.36
G 56.0	79.38	77.62	78.44	86.84	92.91	99.95	86.95	81.78	81.21	79.20
G 57.0	75.33	74.20	75.02	81.53	87.39	92.01	81.75	77.22	77.81	75.34
G 58.0	71.86	70.93	71.00	76.98	83.09	86.00	76.35	73.62	74.04	71.93
G 59.0	68.10	68.25	67.54	72.38	77.85	79.28	71.45	71.04	70.64	68.43
G 60.0	65.15	65.14	64.70	68.13	73.42	74.26	67.43	68.51	67.22	65.39
G 61.0	62.01	62.45	61.43	64.53	68.85	69.38	62.84	66.26	63.30	62.69
G 62.0	59.47	59.81	58.93	60.78	64.21	65.21	59.29	62.26	60.25	59.55
G 63.0	56.58	57.30	56.54	57.26	59.75	61.10	55.65	58.18	57.60	55.76
G 64.0	53.54	55.05	53.46	54.06	56.19	57.40	52.25	55.00	54.65	52.37
G 65.0	51.52	52.68	51.58	50.96	52.51	53.25	49.31	52.20	51.88	49.29
G 66.0	48.93	50.37	48.98	48.09	49.08	49.17	46.25	48.34	48.24	46.13
G 67.0	46.66	48.31	46.77	45.60	45.68	45.30	43.56	45.12	44.82	43.17
G 68.0	44.51	46.06	44.59	43.16	42.96	41.72	40.90	42.57	41.26	40.09
G 69.0	42.02	44.03	42.12	40.59	40.00	38.46	38.50	40.42	38.55	37.23
G 70.0	39.99	41.83	40.02	38.19	37.19	35.81	36.12	37.99	35.40	34.47
G 71.0	37.69	39.53	37.82	35.77	34.79	32.88	33.51	35.52	32.42	32.03
G 72.0	35.41	37.26	35.68	33.51	32.10	31.02	30.89	32.42	29.67	29.32

Luminaire					Measurem.					Source					
Code	613641.224				Code	CL2303/19-06I				Code	1006B/CL2303/19-06L				
Name	613641.224 SLY 24W 350mA 60°4000K				Name	613641.224 SLY 24W 350mA 60°4000K				Number	1				
Line	OXL				Date	11-09-2019				Position					
Luminaire Flux		3306.66 lm		Luminaire Power		27.40 W		Efficacy		120.67 lm/W		Efficiency		100.00%	
Sources Flux		3306.66 lm		Maximum value		806.26 cd/klm		Position		C=240.00 G=10.00		CG		Asymmetrical	
Luminous Intensity Table cd/klm Table 4/6															
	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	27.14	27.09	27.24	29.16	28.55	28.23	29.62	31.53	33.63	35.01	33.45	31.51	29.40		
G 74.0	24.22	24.53	24.58	26.29	25.97	26.10	27.25	29.38	31.51	32.82	31.31	29.38	27.20		
G 75.0	21.35	21.42	22.16	23.50	23.50	24.01	25.11	27.41	29.49	30.62	29.35	27.28	25.12		
G 76.0	18.61	18.71	19.69	21.04	21.04	21.88	23.28	25.31	27.37	28.61	27.20	25.13	22.99		
G 77.0	16.22	16.31	17.08	18.05	18.90	19.72	21.05	23.15	25.21	26.34	25.14	22.95	20.94		
G 78.0	13.63	13.76	14.46	15.39	16.53	17.48	19.25	21.04	23.36	23.88	23.02	20.90	19.00		
G 79.0	11.27	11.51	12.31	13.08	14.44	15.38	17.35	18.97	21.37	21.83	21.20	18.79	17.17		
G 80.0	9.30	9.50	10.11	10.66	12.12	13.26	15.33	17.00	19.29	19.54	19.11	16.68	15.13		
G 81.0	7.59	7.66	8.31	8.75	9.84	10.92	13.51	14.96	17.20	17.17	16.78	14.69	13.05		
G 82.0	6.20	6.13	6.66	6.90	8.00	8.72	11.45	13.12	15.05	15.03	14.73	12.61	11.07		
G 83.0	4.70	4.62	5.03	5.46	6.38	6.92	9.48	11.07	12.58	12.89	12.48	10.56	8.85		
G 84.0	3.56	3.59	3.77	3.97	4.73	5.22	7.16	8.96	10.50	10.66	10.28	8.70	6.58		
G 85.0	2.83	2.77	2.86	2.92	3.32	3.92	5.12	7.08	8.53	8.56	8.61	6.69	4.69		
G 86.0	2.19	2.13	2.18	2.15	2.35	2.64	3.62	4.88	6.30	6.34	6.25	4.34	2.98		
G 87.0	1.51	1.52	1.54	1.51	1.66	1.79	2.19	2.89	4.58	4.62	4.13	2.59	1.77		
G 88.0	0.98	0.90	0.97	0.97	1.04	1.11	1.36	1.46	2.46	2.84	2.18	1.17	1.02		
G 89.0	0.46	0.40	0.41	0.43	0.45	0.47	0.57	0.68	0.74	1.37	0.61	0.43	0.40		
G 90.0	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.				Source					
Code	613641.224			Code	CL2303/19-06I			Code	1006B/CL2303/19-06L				
Name	613641.224 SLY 24W 350mA 60°4000K			Name	613641.224 SLY 24W 350mA 60°4000K			Number	1				
Line	OXL			Date	11-09-2019			Position					
Luminaire Flux	3306.66 lm			Luminaire Power	27.40 W		Efficacy	120.67 lm/W		Efficiency	100.00%		
Sources Flux	3306.66 lm			Maximum value	806.26 cd/klm		Position	C=240.00 G=10.00		CG	Asymmetrical		
Luminous Intensity Table cd/klm Table 5/6													
	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	28.29	29.45	29.67	27.87	26.00	24.15	25.47	27.42	29.42	28.89	28.32	29.36	31.36
G 74.0	26.18	26.78	26.55	24.92	23.22	21.45	22.12	24.43	26.25	26.37	26.04	27.11	29.26
G 75.0	24.00	24.07	23.46	21.99	20.31	18.54	19.38	21.33	23.37	23.58	23.79	24.84	26.99
G 76.0	21.78	21.34	20.69	19.08	16.98	15.90	16.57	18.31	20.30	21.04	21.48	22.81	24.86
G 77.0	19.73	18.78	17.65	16.26	14.65	13.55	14.23	15.76	17.65	18.39	19.21	20.70	22.53
G 78.0	17.24	16.14	15.05	13.59	12.41	11.10	11.81	13.04	14.70	16.03	17.04	18.65	20.48
G 79.0	15.00	13.86	12.23	11.35	10.19	9.08	9.22	10.53	11.98	13.16	14.62	16.69	18.40
G 80.0	12.63	11.41	10.08	8.96	8.09	7.11	7.42	8.56	9.90	10.93	12.27	14.61	16.18
G 81.0	10.31	9.58	7.96	7.04	6.19	5.52	5.80	6.44	7.60	8.60	10.28	12.42	14.26
G 82.0	8.09	7.21	5.97	5.29	4.65	4.10	4.37	4.57	5.81	6.61	7.82	10.21	12.20
G 83.0	6.26	5.27	4.38	3.87	3.47	3.21	3.26	3.44	4.09	4.91	6.06	7.92	10.14
G 84.0	4.61	3.78	3.09	2.91	2.80	2.53	2.57	2.64	2.90	3.34	4.40	5.63	8.29
G 85.0	3.08	2.53	2.28	2.30	2.18	1.92	2.02	2.03	2.11	2.26	2.94	3.93	5.96
G 86.0	2.08	1.82	1.71	1.62	1.55	1.34	1.39	1.40	1.53	1.65	1.81	2.53	3.61
G 87.0	1.42	1.27	1.12	1.06	1.02	0.79	0.79	0.82	0.91	1.03	1.22	1.44	2.06
G 88.0	0.77	0.67	0.55	0.52	0.47	0.27	0.31	0.30	0.40	0.43	0.59	0.71	1.04
G 89.0	0.23	0.18	0.16	0.17	0.13	0.09	0.09	0.09	0.10	0.11	0.13	0.17	0.27
G 90.0	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.		Source	
Code	613641.224	Code	CL2303/19-06I	Code	1006B/CL2303/19-06L
Name	613641.224 SLY 24W 350mA 60°4000K	Name	613641.224 SLY 24W 350mA 60°4000K	Number	1
Line	OXL	Date	11-09-2019	Position	

Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W	Efficiency	100.00%
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 6/6

	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	33.43	35.04	33.36	31.27	29.77	28.44	28.53	29.38	27.31	26.64
G 74.0	31.20	32.72	31.26	29.20	27.42	26.38	26.11	26.10	24.38	23.68
G 75.0	29.01	30.82	29.29	26.98	25.41	24.12	23.68	23.24	21.91	20.77
G 76.0	26.83	28.21	27.11	24.94	23.03	21.88	21.10	20.28	19.15	18.28
G 77.0	24.64	25.97	24.76	22.52	21.16	19.68	18.68	17.79	16.48	15.57
G 78.0	22.56	23.85	22.73	20.58	19.14	17.52	16.25	15.03	13.99	13.30
G 79.0	20.67	21.48	20.80	18.64	16.96	15.23	13.81	12.44	11.54	10.95
G 80.0	18.46	19.12	18.58	16.50	15.15	12.83	11.62	10.27	9.57	9.13
G 81.0	16.17	17.05	16.64	14.47	13.06	10.80	9.31	8.23	7.77	7.26
G 82.0	13.91	14.58	14.18	12.43	10.88	8.45	7.35	6.69	6.05	5.74
G 83.0	11.85	12.42	11.71	10.36	8.60	6.54	5.75	4.81	4.48	4.31
G 84.0	9.45	10.19	9.77	8.38	6.54	4.90	4.24	3.61	3.30	3.30
G 85.0	7.58	8.09	7.70	6.22	4.47	3.56	2.77	2.69	2.57	2.57
G 86.0	5.52	5.71	5.74	3.90	3.05	2.24	2.07	1.95	1.97	1.97
G 87.0	3.52	3.97	3.75	2.49	1.74	1.57	1.34	1.35	1.27	1.35
G 88.0	1.70	2.25	1.57	1.06	0.98	0.83	0.75	0.72	0.71	0.70
G 89.0	0.36	0.77	0.46	0.41	0.33	0.29	0.26	0.27	0.26	0.28
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

Code 613641.224
Name 613641.224 SLY 24W 350mA 60°4000K
Line OXL

Measurem.

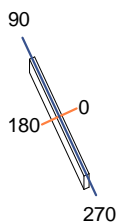
Code CL2303/19-06I
Name 613641.224 SLY 24W 350mA 60°4000K
Date 11-09-2019

Source

Code 1006B/CL2303/19-06L
Number 1
Position

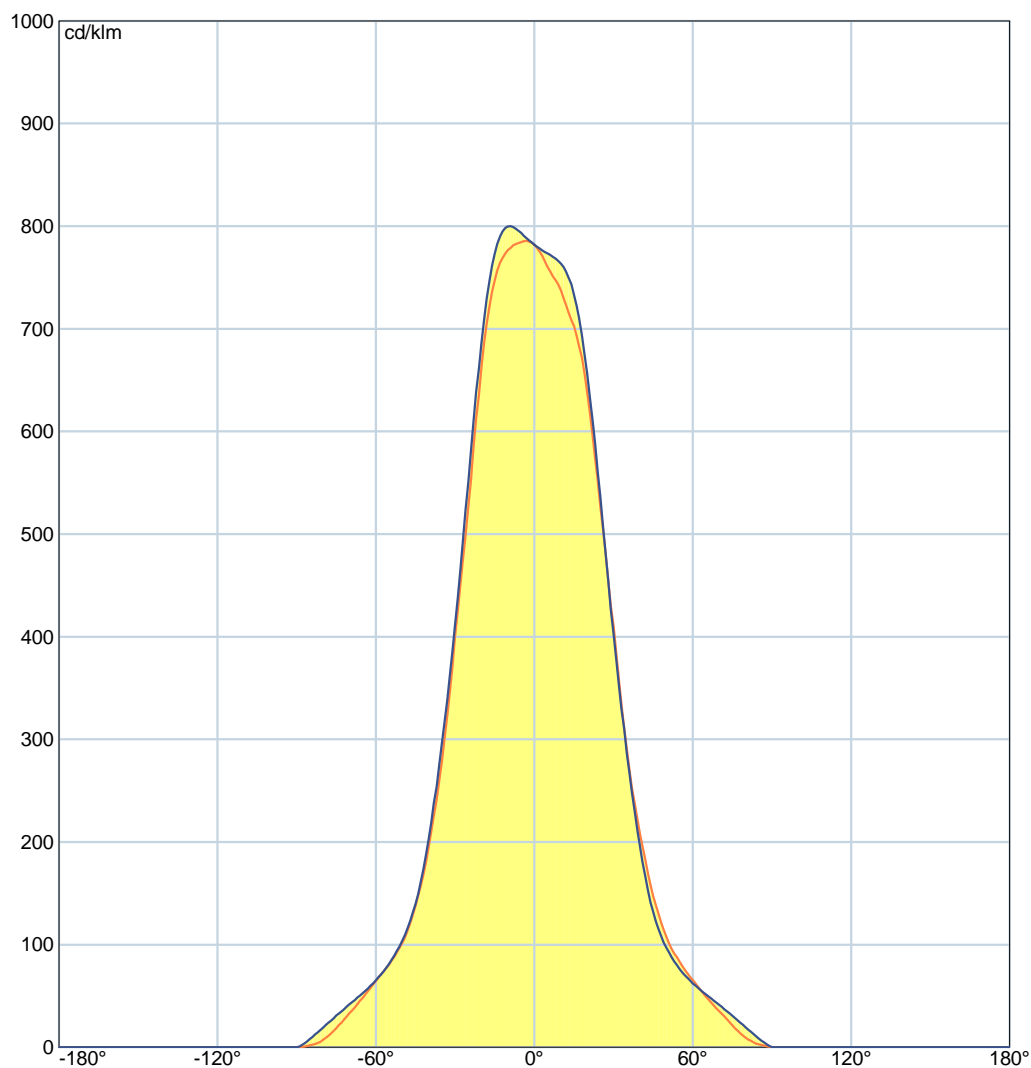
Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W	Efficiency	100.00%
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00	CG	Asymmetrical

1130mm x 50mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



Luminaire

Code 613641.224
Name 613641.224 SLY 24W 350mA 60°4000K
Line OXL

Measurem.

Code CL2303/19-06I
Name 613641.224 SLY 24W 350mA 60°4000K
Date 11-09-2019

Source

Code 1006B/CL2303/19-06L
Number 1
Position

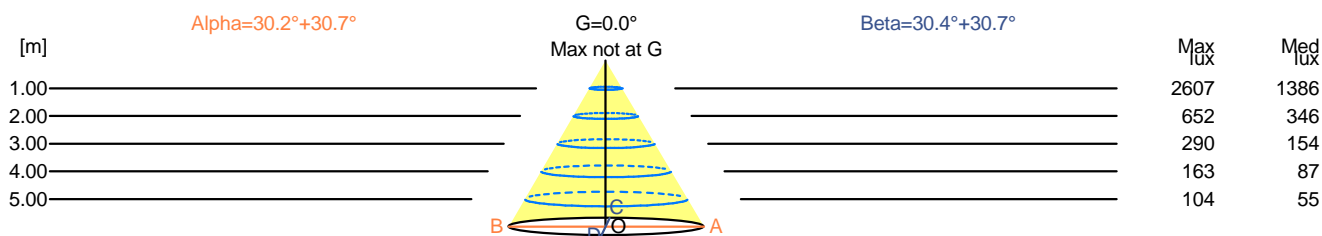
Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W	Efficiency	100.00%
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00	CG	Asymmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.59	1.19	1.78	2.37	2.96	OC	0.59	1.17	1.76	2.34	2.93
OB	0.58	1.17	1.75	2.33	2.91	OD	0.59	1.19	1.78	2.38	2.97

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	2585.57	2514.61	2323.57	1744.43	961.74	488.39	275.49	163.28	70.58	9.34
OB	2585.57	2594.11	2468.86	1743.51	918.27	455.65	266.02	159.04	61.29	6.36
OC	2585.57	2557.26	2423.38	1776.89	946.20	437.17	251.90	169.98	101.23	28.30
OD	2585.57	2623.81	2555.25	1822.67	977.40	462.15	268.80	174.18	101.91	26.74



H[m]	D[m]	Max lux	Med lux	Alpha=30.2°+30.7°	G=0.0 Max not at G	
1.00	1.18	2607	1386			
2.00	2.35	652	346			
3.00	3.53	290	154			
4.00	4.70	163	87			
5.00	5.88	104	55			

H[m]	D[m]	Max lux	Med lux	Beta=30.7°+30.4°	G=0.0 Max not at G	
1.00	1.18	2607	1386			
2.00	2.36	652	346			
3.00	3.54	290	154			
4.00	4.72	163	87			
5.00	5.90	104	55			

Luminaire			Measurem.			Source	
Code	613641.224		Code	CL2303/19-06I		Code	1006B/CL2303/19-06L
Name	613641.224 SLY 24W 350mA 60°4000K		Name	613641.224 SLY 24W 350mA 60°4000K		Number	1
Line	OXL		Date	11-09-2019		Position	
Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W	Efficiency	100.00%
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00	CG	Asymmetrical

Integrated Spectrum

Std.: EN 13032 4 2015

CIE1931 x = 0.379199 y = 0.379080
 CIE1960 u = 0.223368 v = 0.334947
 CIE1976 u' = 0.223368 v' = 0.502421
 D(u,v) 0.00146
 Delta(u',v') 0.00567

Color rendering index (CRI)
 Color Rendering Components

CCT = 4051 K

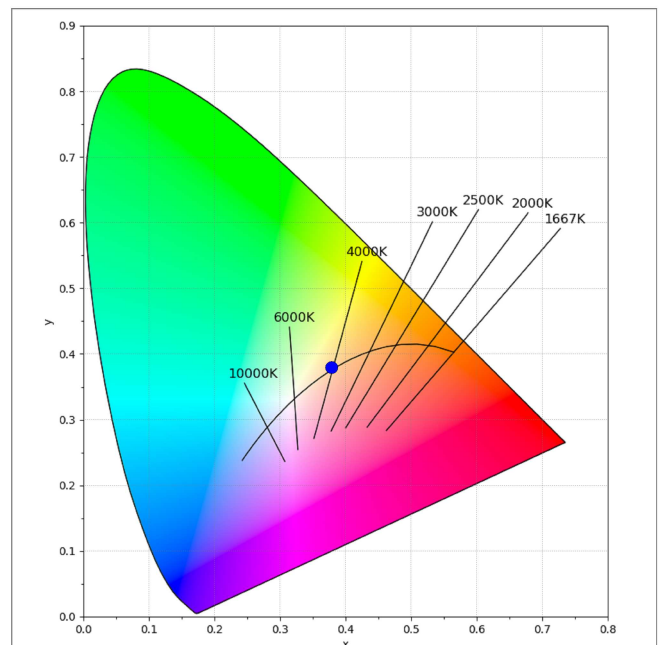
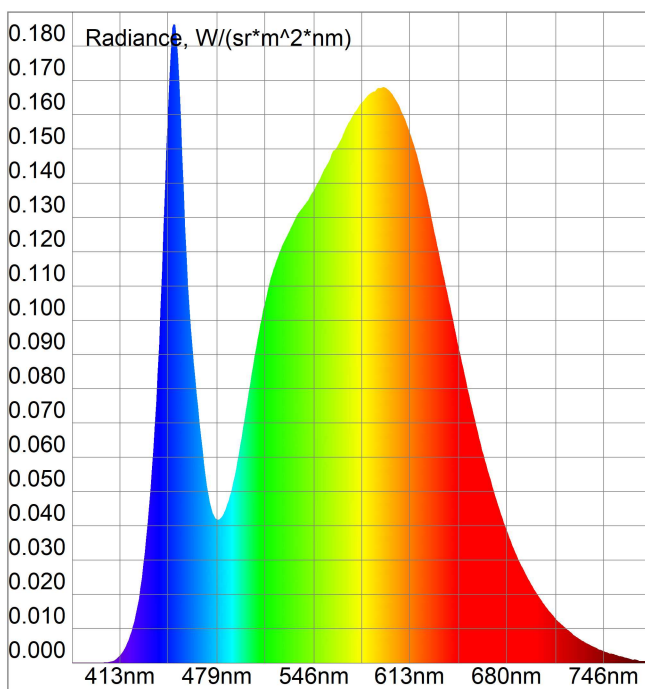
CRI8(Ra) 81.4

CRI15(Rav) 74.0
 R 1: 79.6 R 2: 86.7 R 3: 92.1 R 4: 81.0 R 5: 79.4
 R 6: 81.4 R 7: 86.4 R 8: 64.4 R 9: 5.0 R10: 68.1
 R11: 79.4 R12: 57.2 R13: 81.1 R14: 95.5 R15: 73.4

Spectral Distribution

l(nm)	Radiance, W/(sr*m^2*nm)	l(nm)	Radiance, W/(sr*m^2*nm)	l(nm)	Radiance, W/(sr*m^2*nm)
380.0	0.000010	386.0	0.000046	392.0	0.000057
398.0	0.000058	404.0	0.000181	410.0	0.000938
416.0	0.003974	422.0	0.010726	428.0	0.024708
434.0	0.050779	440.0	0.092895	446.0	0.160267
452.0	0.183054	458.0	0.127225	464.0	0.087557
470.0	0.062035	476.0	0.045143	482.0	0.042087
488.0	0.047340	494.0	0.058742	500.0	0.073958
506.0	0.089672	512.0	0.103185	518.0	0.113574
524.0	0.120747	530.0	0.126082	536.0	0.131221
542.0	0.134534	548.0	0.138892	554.0	0.144024
560.0	0.149472	566.0	0.153161	572.0	0.158443
578.0	0.162551	584.0	0.165611	590.0	0.167315
596.0	0.167987	602.0	0.165361	608.0	0.160325
614.0	0.153633	620.0	0.144946	626.0	0.134144
632.0	0.121849	638.0	0.109864	644.0	0.097856
650.0	0.085939	656.0	0.074557	662.0	0.063898
668.0	0.054703	674.0	0.046071	680.0	0.038707
686.0	0.032187	692.0	0.026845	698.0	0.022121
704.0	0.018181	710.0	0.014795	716.0	0.011929
722.0	0.009679	728.0	0.007660	734.0	0.006052
740.0	0.004691	746.0	0.003635	752.0	0.002712
758.0	0.001964	764.0	0.001325	770.0	0.000867
776.0	0.000532	782.0	0.000371	788.0	0.000371

Spectrum Graph



Luminaire

Code 613641.224
Name 613641.224 SLY 24W 350mA 60°4000K
Line OXL

Measurem.

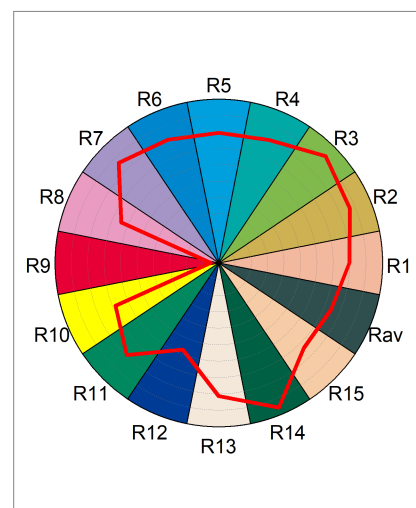
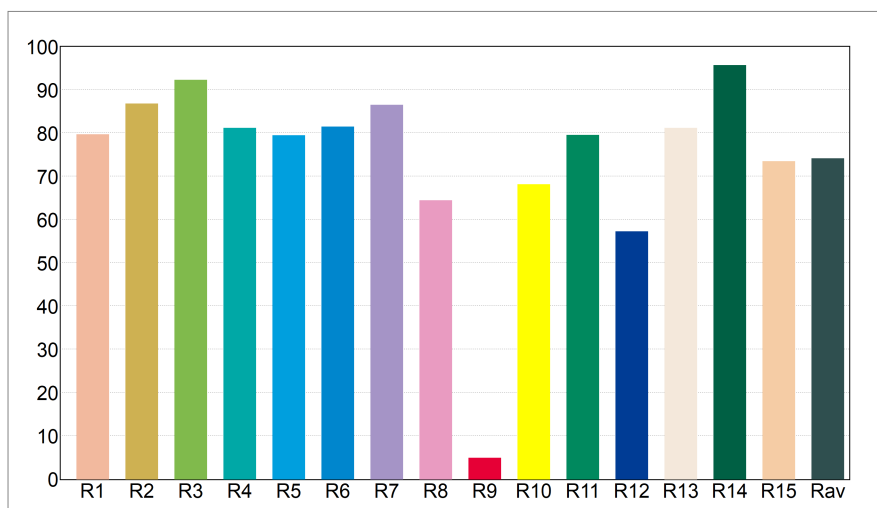
Code CL2303/19-06I
Name 613641.224 SLY 24W 350mA 60°4000K
Date 11-09-2019

Source

Code 1006B/CL2303/19-06L
Number 1
Position

Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W	Efficiency	100.00%
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00	CG	Asymmetrical

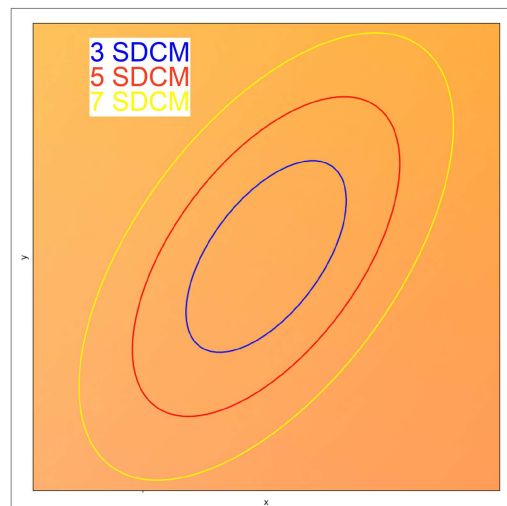
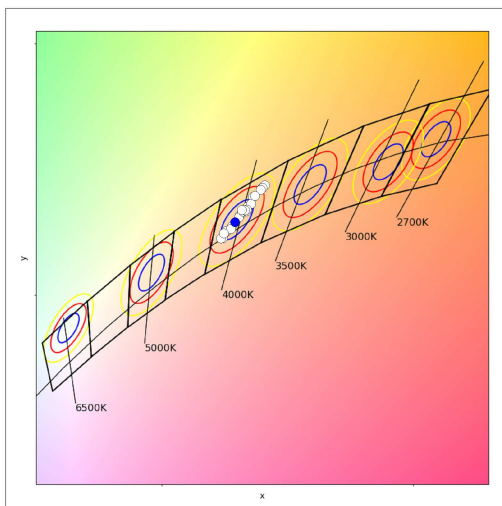
CRI Graphs



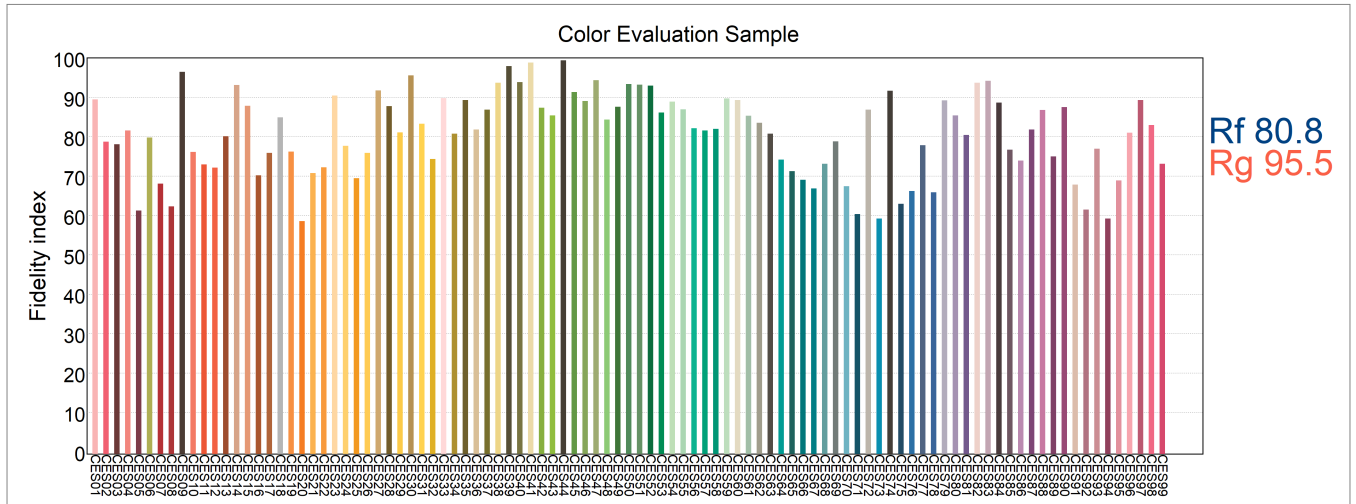
McAdam's Diagram

Analisi di MacAdams
ANSI C78-376

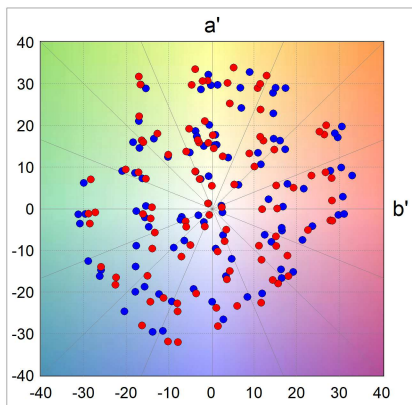
- Step 3: 0 / 28
- Step 5: 0 / 28
- Step 7: 0 / 28
- Step outside: 28 / 28
- Int. Spec. in 4-step: NO
- 95% in 5-step: NO



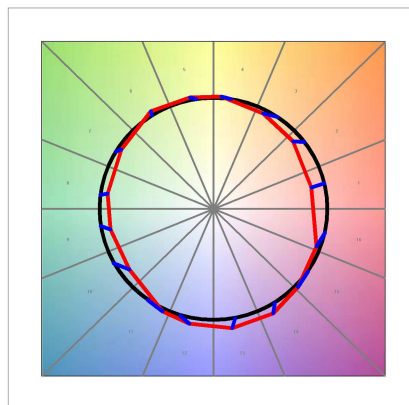
Luminaire			Measurem.			Source	
Code	613641.224		Code	CL2303/19-06I		Code	1006B/CL2303/19-06L
Name	613641.224 SLY 24W 350mA 60°4000K		Name	613641.224 SLY 24W 350mA 60°4000K		Number	1
Line	OXL		Date	11-09-2019		Position	
Luminaire Flux	3306.66 lm	Luminaire Power	27.40 W	Efficacy	120.67 lm/W	Efficiency	100.00%
Sources Flux	3306.66 lm	Maximum value	806.26 cd/klm	Position	C=240.00 G=10.00	CG	Asymmetrical



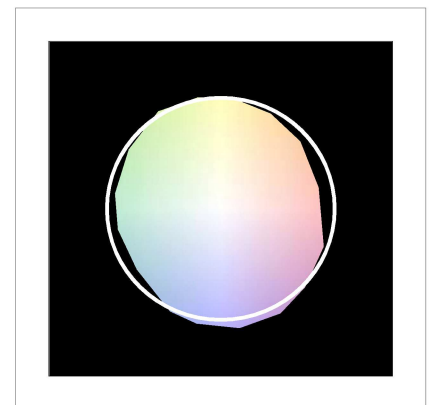
Chromatic Coordinates (a', b') 99 CES



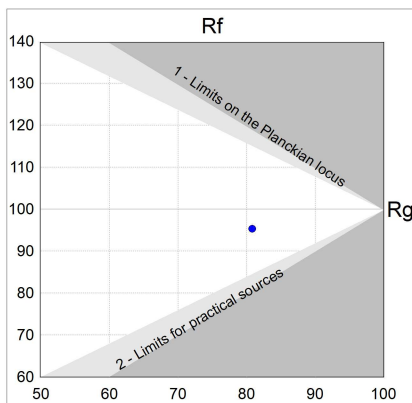
Color Vector Graphic



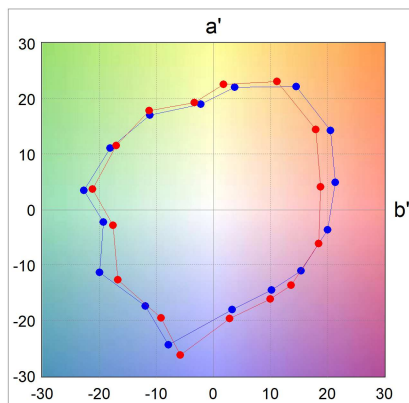
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

