

## Test Report

**Luminaire Manufacturer**

C Luce Srl

**Lighting Device**

614641.224 SLY 24W 350mA 90°4000K

**Test Report Code**

1006A/CL2303/19-07I-RV01-G1



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

**Report Date 19/09/19**

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 type="checkbox"/>
	▶ Colorimetric and Luminance Test Report	<input type="checkbox"/>
	▶ Photobiological Risk Test Report	<input 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"/>

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## 1. Photometric Test Report

Test Code	1006A/CL2303/19-07I-RV01-G1
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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	614641.224 SLY 24W 350mA 90°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 27.13W
Laboratory Ballast/ Lamp References	1006B/CL2303/19-07L-G1

Test Data	
Test Date	12-09-19
Measurement Type	Asymmetric C-γ
Reference Norm	EN 13032-4: 2015
Internal Document Reference	<b>Procedure</b> PT1006a <b>Instruction</b> 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"> <li>▶ Norm EN 13032-1:2004 types 1.1, 1.2 and 1.3</li> <li>▶ Recommendation CIE 70:1987 Chap.5 types 2 and 3</li> </ul>	
	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

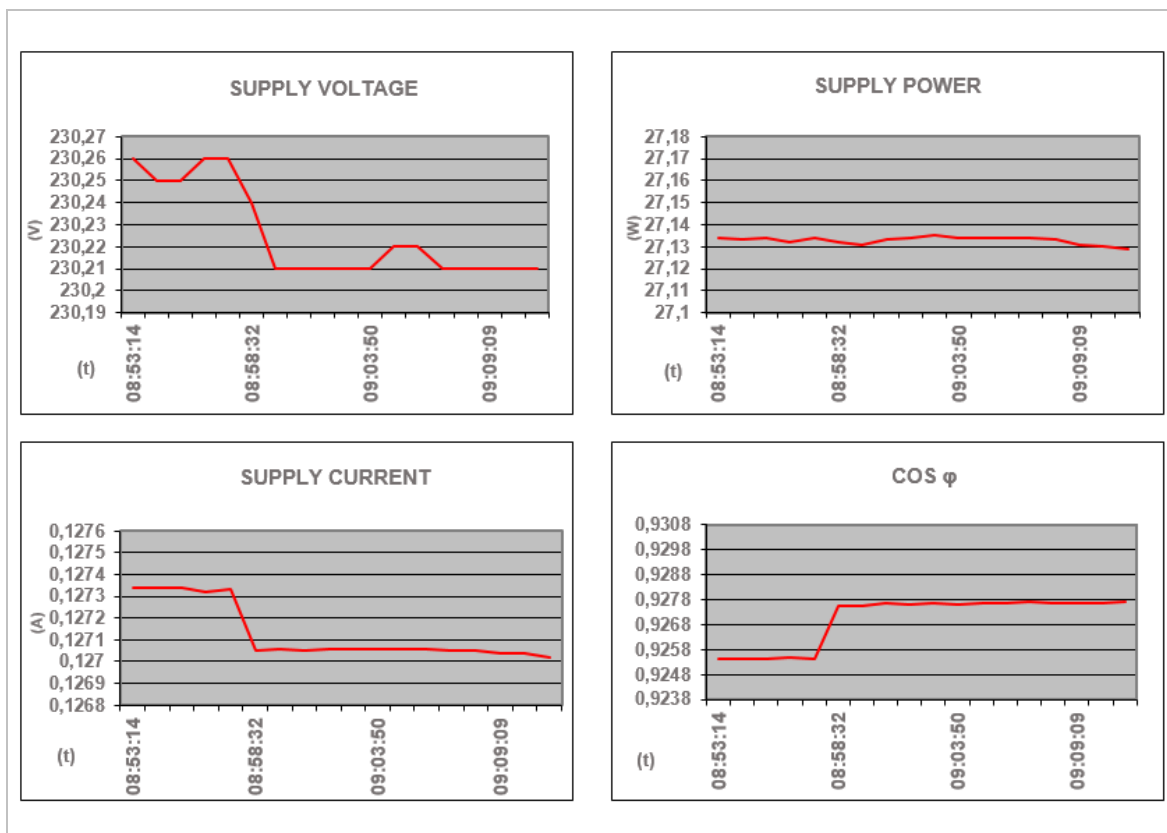
### Electrical Test Parameters

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/CL2303/20-02I-Col-G1
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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	614641.224 SLY 24W 350mA 90°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	<b>Procedure</b> PT1006c <b>Instruction</b> 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"> <li>▶ Norm EN 13032-1:2004 types 1.1, 1.2 and 1.3</li> <li>▶ Recommendation CIE 70:1987 Chap.5 types 2 and 3</li> </ul>	
	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.
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## 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

	
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### 3. Photobiological Risk Test Report

Colorimetric Test Code	1006A/CL2303/20-02I-Col-G1
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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	614641.224 SLY 24W 350mA 90°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	<b>Procedure</b> PT1006c <b>Instruction</b> 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"> <li>Norm EN 13032-1:2004 types 1.1, 1.2 and 1.3</li> <li>Reccomendation CIE 70:1987 Chap.5 types 2 and 3</li> </ul> Serial Number: OX-048 Measuring distance: 1.75 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

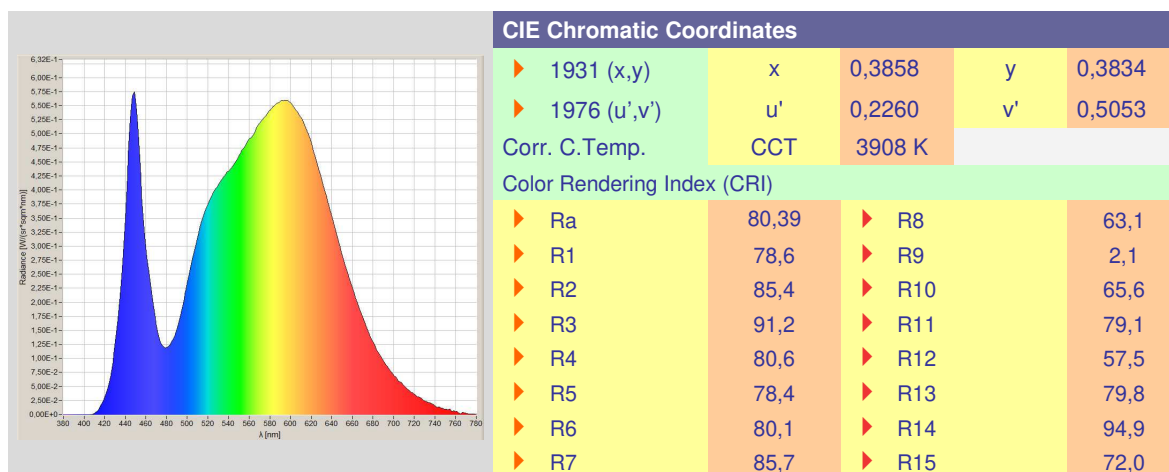
### Colorimetric Characteristics

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
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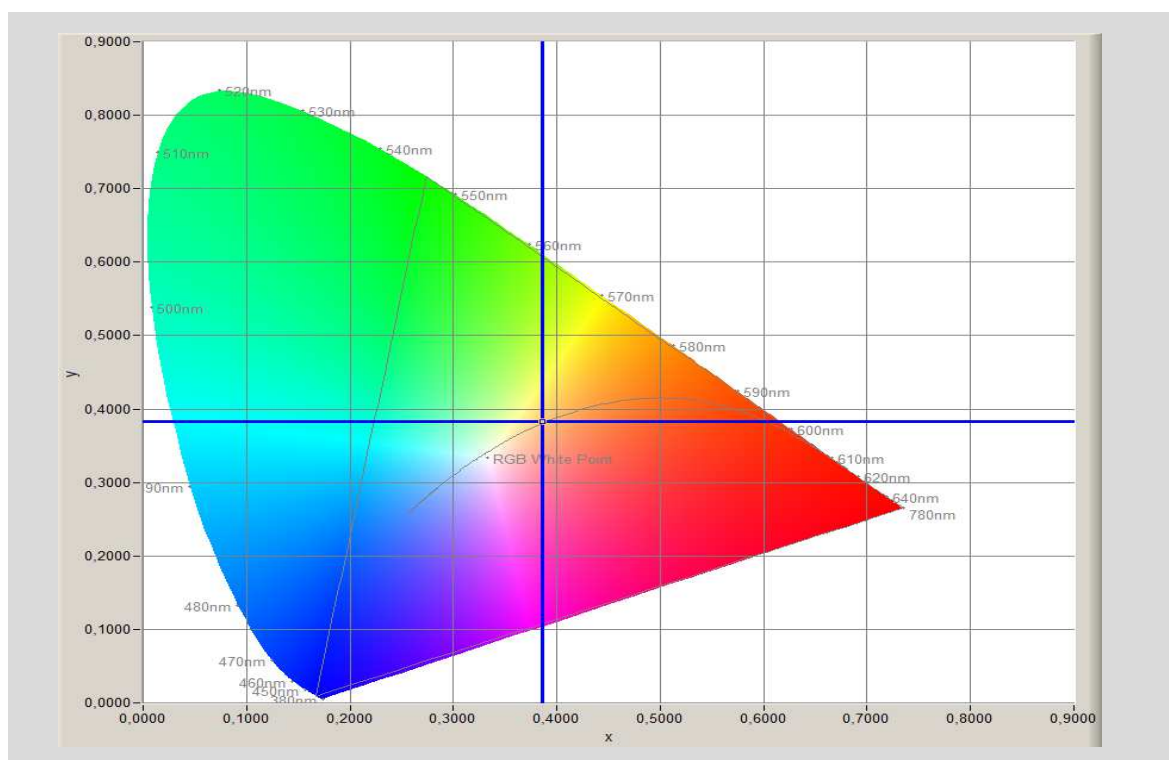
### 3.1 Results of Colorimetric Measurement (dist. 1.75 m)

#### 3.1.1 Values and spectrum of the spectral radiance measurement in the direction of maximum intensity at C 200° - γ 29°

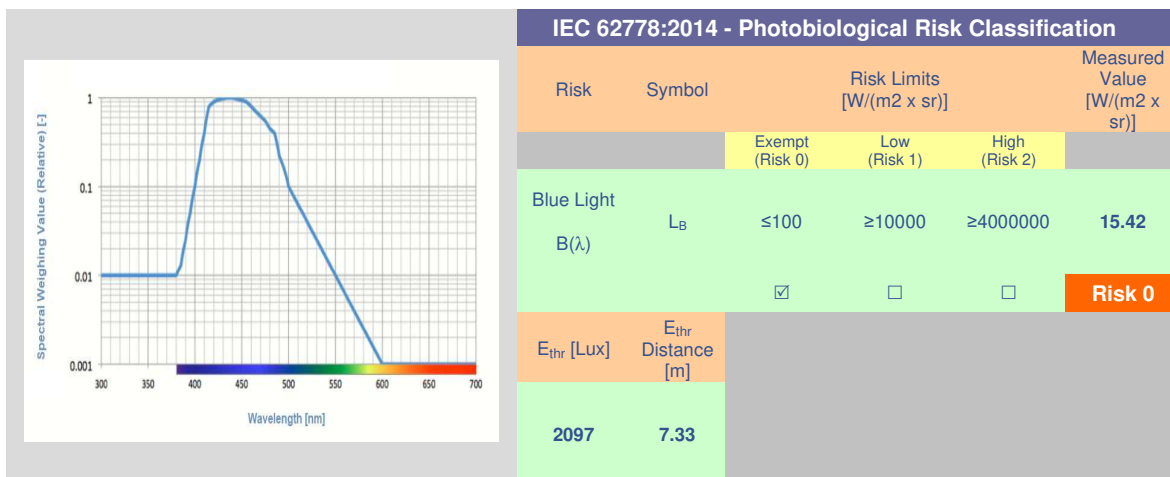
##### 3.1.1.1 Table and graph at C 200° and γ 29°



##### 3.1.1.2 CIE Color Plan 1931 of the spectral radiance measurement in the direction of the maximum intensity at C 200° and γ 29°



### 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

	
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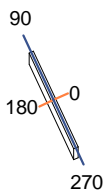
## 4. List of Photometric Data Processing Attached

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

<b>Luminaire</b>		<b>Measurem.</b>		<b>Source</b>	
Code	614641.224	Code	CL2303/19-07I	Code	1006B/CL2303/19-07L
Name	614641.224 SLY 24W 350mA 90°4000K	Name	614641.224 SLY 24W 350mA 90°4000K	Number	1
Line	OXL	Date	12-09-2019	Position	
Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00
Rectangular Luminaire		Length	1130 mm	Width	50 mm
Rectangular Luminous Area		Length	1128 mm	Width	45 mm
Horizontal Luminous Area				Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°				Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°				Glare area at 76°	0.012280 m2
Coordinate system		CG		Symmetry Type	Asymmetrical
Date		12-09-2019		Maximum Gamma Angle	90
Measurement Distance		9.11		Measurement Flux	3364.09 lm
Operator		AZ		Rated Voltage	230.26 V
Temperature		24.80 °C		Rated Current	0.13 A
Humidity		55.50 %		Photocell	C&G - OX049
Notes		Power 27.13600PF 0.92532			
<b>Luminaire Lamps</b>					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
1006B/CL2303/19-07L	1006B/CL2303/19-07L	1006B/CL2303/19-07L	3364.09	27.14	1
C.I.E.	59 88 98 100 100	D DIN 5040	A40		
F UTE	1.00 D	B NBN	BZ 3		



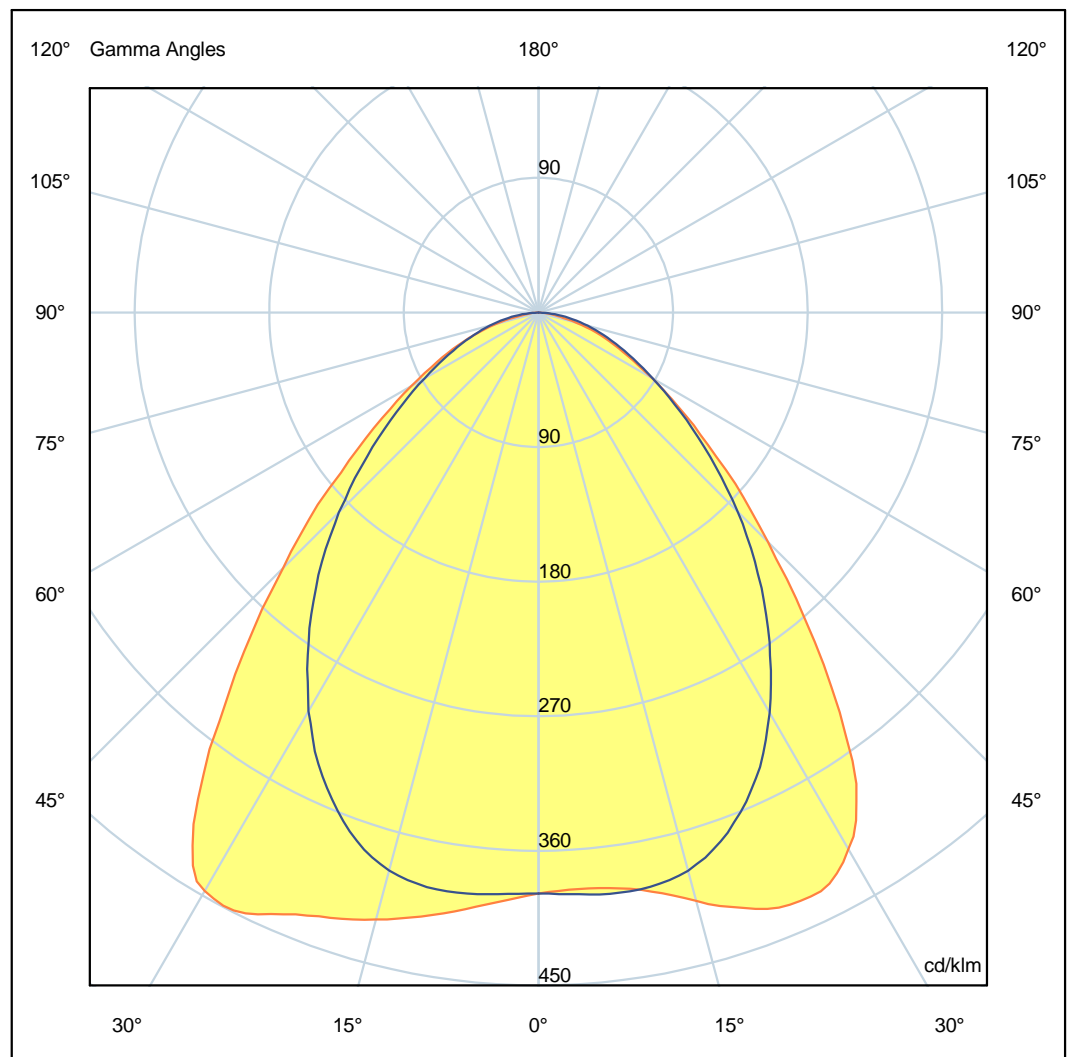
1130mm x 50mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



Luminaire				Measur.				Source							
Code	614641.224			Code	CL2303/19-07I			Code	1006B/CL2303/19-07L						
Name	614641.224 SLY 24W 350mA 90°4000K			Name	614641.224 SLY 24W 350mA 90°4000K			Number	1						
Line	OXL			Date	12-09-2019			Position							
Luminaire Flux	3364.09 lm			Luminaire Power	27.14 W			Efficacy	123.97 lm/W			Efficiency	100.00%		
Sources Flux	3364.09 lm			Maximum value	455.18 cd/klm			Position	C=200.00 G=29.00			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	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	
G 1.0	387.47	387.69	387.64	387.82	387.86	388.06	388.14	388.29	388.49	388.56	388.87	389.02	389.12	389.12	
G 2.0	386.90	387.04	387.15	387.49	387.60	387.87	388.10	388.48	388.75	389.03	389.42	389.82	390.15	390.15	
G 3.0	386.49	386.71	386.80	387.25	387.56	387.89	388.22	388.58	389.00	389.33	390.15	390.68	391.33	391.33	
G 4.0	386.36	386.66	386.84	387.31	387.53	387.98	388.36	388.90	389.39	389.92	390.89	391.76	392.30	392.30	
G 5.0	386.56	386.86	387.09	387.58	387.79	388.26	388.72	389.29	389.86	390.59	391.52	392.78	393.83	393.83	
G 6.0	386.99	387.40	387.58	388.14	388.31	388.74	389.15	389.62	390.35	391.17	392.46	393.92	395.29	395.29	
G 7.0	387.69	388.16	388.38	388.99	389.17	389.41	389.58	389.98	390.59	391.49	393.17	394.95	396.70	396.70	
G 8.0	388.77	389.34	389.55	390.24	390.15	390.22	390.15	390.27	390.76	391.62	393.63	395.92	398.20	398.20	
G 9.0	390.05	390.92	390.97	391.74	391.54	391.26	390.73	390.46	390.78	391.77	393.99	396.67	399.58	399.58	
G 10.0	391.95	392.67	392.89	393.72	393.14	392.35	391.42	390.64	390.66	391.59	394.22	397.53	400.98	400.98	
G 11.0	394.46	395.24	395.38	395.82	394.99	393.63	391.99	390.63	390.26	391.11	394.13	397.99	402.43	402.43	
G 12.0	396.86	398.06	398.01	398.66	397.10	395.07	392.70	390.59	389.78	390.39	393.79	398.39	403.70	403.70	
G 13.0	399.96	400.95	401.57	401.35	399.46	396.43	393.25	390.39	388.86	389.48	393.21	398.55	404.79	404.79	
G 14.0	403.44	404.46	404.75	404.84	402.04	398.06	393.71	389.84	387.79	388.10	392.31	398.43	405.84	405.84	
G 15.0	407.32	408.45	408.52	407.95	404.91	399.88	394.13	389.04	385.80	386.37	390.77	397.92	406.71	406.71	
G 16.0	411.38	412.38	412.85	411.55	407.85	401.55	394.26	387.94	383.75	383.61	388.77	397.03	407.26	407.26	
G 17.0	414.99	416.73	417.24	415.69	410.72	403.28	394.17	386.05	381.07	381.04	386.45	395.65	407.48	407.48	
G 18.0	417.99	420.11	420.92	419.80	413.77	405.01	393.94	384.24	377.84	377.52	383.61	393.92	407.36	407.36	
G 19.0	421.10	423.11	424.38	423.53	417.00	406.29	393.37	381.55	374.57	373.84	380.01	391.77	406.81	406.81	
G 20.0	424.43	426.46	427.74	426.79	419.69	407.32	392.53	379.16	370.88	370.00	376.53	389.51	405.90	405.90	
G 21.0	427.09	429.64	430.90	429.31	422.16	408.17	391.42	376.24	366.57	364.93	372.35	386.60	404.68	404.68	
G 22.0	429.11	431.77	433.95	432.05	424.46	408.69	390.06	373.30	361.91	360.27	367.93	383.31	402.99	402.99	
G 23.0	430.06	433.15	436.04	434.45	425.65	409.07	388.40	369.62	356.99	355.22	363.36	379.87	400.96	400.96	
G 24.0	430.57	433.67	436.96	436.44	426.82	409.02	386.38	365.36	352.08	349.62	358.36	375.77	398.37	398.37	
G 25.0	430.84	434.12	437.11	437.18	427.54	408.59	383.97	361.60	346.83	343.61	352.97	371.87	395.83	395.83	
G 26.0	430.47	434.18	437.25	436.89	427.62	407.73	381.40	356.96	340.88	338.07	346.90	367.09	392.62	392.62	
G 27.0	428.50	432.67	436.83	435.83	426.81	405.99	378.07	352.02	334.51	330.85	341.24	362.30	389.04	389.04	
G 28.0	424.80	429.73	435.39	434.51	424.86	404.01	374.57	347.22	327.83	323.56	334.63	356.40	385.09	385.09	
G 29.0	420.22	425.20	431.82	432.46	422.14	401.30	371.16	341.28	320.85	316.27	327.62	350.75	381.16	381.16	
G 30.0	414.17	419.49	427.23	429.91	417.98	398.16	366.99	334.66	314.42	309.11	320.37	344.84	375.87	375.87	
G 31.0	408.86	414.29	422.09	425.29	413.88	394.14	362.86	328.96	306.90	301.07	312.74	338.00	371.03	371.03	
G 32.0	400.48	407.03	415.49	419.10	409.01	389.23	357.62	322.24	299.25	293.06	305.77	331.12	365.25	365.25	
G 33.0	390.26	398.26	409.55	412.19	403.57	383.76	351.39	315.30	291.43	285.27	297.12	323.91	359.27	359.27	
G 34.0	379.99	387.62	400.70	404.65	396.77	376.87	345.81	308.77	284.33	276.78	290.01	317.27	352.83	352.83	
G 35.0	366.15	375.93	390.18	396.72	389.45	369.40	339.33	301.67	276.41	269.25	282.44	310.11	346.84	346.84	
G 36.0	349.65	359.57	379.92	389.23	380.30	361.25	332.09	294.73	268.42	261.11	274.66	302.37	339.75	339.75	
G 37.0	334.78	343.67	365.69	377.69	370.11	352.17	324.46	286.70	260.50	252.91	266.66	295.17	332.29	332.29	
G 38.0	318.59	326.29	349.04	366.09	360.00	344.12	317.32	279.61	253.17	244.60	258.53	287.57	324.51	324.51	
G 39.0	303.04	311.69	333.35	353.77	349.33	334.44	309.07	272.03	245.29	237.20	250.28	280.66	317.44	317.44	
G 40.0	287.39	294.59	315.27	338.49	339.49	324.35	300.56	265.37	236.87	228.05	243.11	272.22	308.72	308.72	
G 41.0	271.41	280.44	299.12	321.83	329.18	313.32	291.41	256.98	228.79	220.56	234.06	265.21	301.08	301.08	
G 42.0	257.47	264.59	282.93	306.06	316.75	302.02	282.77	249.88	221.10	212.26	226.21	258.13	292.49	292.49	
G 43.0	243.67	249.63	267.90	286.29	304.01	290.06	271.91	241.93	211.96	203.95	217.76	249.27	284.55	284.55	
G 44.0	228.72	235.32	251.76	270.81	292.12	279.04	262.79	233.60	204.57	196.44	210.19	241.05	275.23	275.23	
G 45.0	216.99	223.17	237.08	254.48	277.03	267.11	252.37	224.99	196.17	188.28	201.03	233.59	266.75	266.75	
G 46.0	204.86	210.39	224.23	238.06	261.94	254.81	241.80	216.98	187.84	180.15	193.42	224.63	257.76	257.76	
G 47.0	193.90	198.55	210.51	223.20	246.14	243.64	231.36	208.19	179.67	172.11	185.43	215.99	249.06	249.06	
G 48.0	184.44	187.73	197.74	210.41	231.47	233.25	221.63	199.28	171.51	164.36	176.34	207.77	241.39	241.39	
G 49.0	174.37	178.31	185.79	196.95	214.29	222.07	210.88	191.18	163.77	156.85	169.92	197.82	232.88	232.88	
G 50.0	163.43	166.30	175.70	184.30	200.95	211.23	201.82	181.40	156.21	149.67	161.28	189.59	224.09	224.09	
G 51.0	152.92	157.15	166.15	172.33	188.12	202.27	191.29	172.64	148.51	142.34	153.52	180.28	214.96	214.96	
G 52.0	143.62	147.51	155.73	162.57	173.60	191.86	181.79	164.85	140.92	135.23	145.88	171.22	205.43	205.43	
G 53.0	135.38	138.33	147.04	151.03	162.33	180.42	171.86	156.45	134.37	128.58	139.26	163.19	195.82	195.82	
G 54.0	128.28	130.07	136.58	141.58	150.81	167.61	162.48	148.54	126.38	122.40	132.00	153.92	187.63	187.63	
G 55.0	120.20	122.72	128.64	132.95	139.68	158.27	153.05	140.01	119.81	116.00	124.95	145.83	177.87	177.87	
G 56.0	112.69	115.16	120.14	124.44	129.98	149.03	143.81	131.90	113.74	109.79	118.79	138.15	168.26	168.26	
G 57.0	106.05	107.													

Luminaire				Measurem.				Source					
Code	614641.224			Code	CL2303/19-07L			Code	1006B/CL2303/19-07L				
Name	614641.224 SLY 24W 350mA 90°4000K			Name	614641.224 SLY 24W 350mA 90°4000K			Number	1				
Line	OXL			Date	12-09-2019			Position					
Luminaire Flux	3364.09 lm			Luminaire Power	27.14 W			Efficacy	123.97 lm/W				
Sources Flux	3364.09 lm			Maximum value	455.18 cd/klm			Position	C=200.00 G=29.00				
							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	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50
G 1.0	389.39	389.48	389.56	389.69	389.77	389.86	389.83	389.70	389.83	389.52	389.35	389.23	388.93
G 2.0	390.60	390.78	390.94	391.30	391.32	391.45	391.37	391.31	391.23	390.90	390.53	390.18	389.67
G 3.0	391.81	392.32	392.59	392.91	392.92	393.20	393.32	393.10	392.75	392.41	391.79	391.40	390.73
G 4.0	393.20	393.98	394.33	394.74	394.89	395.27	395.15	394.81	394.40	394.23	393.35	392.70	391.62
G 5.0	394.78	395.58	396.47	397.03	397.15	397.34	397.17	396.90	396.54	395.85	394.71	393.89	392.78
G 6.0	396.61	397.72	398.43	399.21	399.28	399.52	399.52	399.15	398.76	397.68	396.52	395.22	393.76
G 7.0	398.48	399.71	400.83	401.53	401.68	401.87	401.62	401.43	400.91	399.85	398.32	396.67	394.95
G 8.0	400.36	402.03	403.32	404.03	404.24	404.36	404.16	404.01	403.28	402.19	400.31	398.35	395.81
G 9.0	402.41	404.70	405.92	406.73	406.50	406.70	406.70	406.48	405.63	404.38	402.17	399.68	396.70
G 10.0	404.38	407.16	408.55	409.12	409.23	409.12	409.27	408.89	408.41	407.06	404.30	401.01	397.47
G 11.0	406.34	409.56	411.50	412.19	411.74	411.45	411.46	411.53	411.24	409.79	406.47	402.45	398.18
G 12.0	408.64	412.24	414.24	414.52	413.97	413.64	413.88	414.01	414.11	412.41	408.76	403.73	398.65
G 13.0	410.62	414.92	416.95	417.06	416.37	415.76	416.04	416.49	416.86	414.94	410.98	405.02	398.90
G 14.0	412.55	417.23	419.52	419.75	418.72	418.24	418.55	419.25	419.66	417.72	413.19	406.37	398.99
G 15.0	414.52	419.95	422.18	422.49	421.04	420.19	420.80	421.84	422.15	420.06	415.08	407.68	398.69
G 16.0	416.32	422.31	424.91	425.08	423.24	422.34	423.07	424.08	425.03	422.73	416.95	408.22	397.87
G 17.0	417.77	424.46	427.49	427.33	425.43	424.36	425.16	426.67	427.77	424.91	418.63	408.62	396.87
G 18.0	418.91	426.70	429.76	429.58	427.31	426.26	427.18	429.14	430.04	427.41	419.99	408.49	395.20
G 19.0	419.90	428.60	431.98	431.75	429.37	428.05	429.17	431.48	432.53	429.45	421.07	408.19	393.35
G 20.0	420.46	430.00	434.00	433.77	431.22	429.64	431.15	433.58	434.78	431.22	421.76	407.37	390.76
G 21.0	420.64	431.31	435.57	435.64	432.92	431.80	433.18	435.58	436.55	432.56	422.37	406.20	388.09
G 22.0	420.52	432.33	437.10	437.26	435.25	434.01	435.83	437.97	438.29	433.75	422.48	404.61	384.96
G 23.0	420.05	432.83	438.43	439.24	437.81	437.11	438.46	440.13	439.61	434.33	421.89	402.62	381.23
G 24.0	419.03	432.99	439.62	441.64	440.79	440.15	441.52	442.87	441.21	434.69	420.90	400.65	377.44
G 25.0	417.28	432.76	440.81	444.33	444.45	444.02	445.44	445.92	443.17	434.48	419.26	397.53	373.09
G 26.0	415.53	432.35	442.54	447.95	448.56	446.97	448.67	448.91	445.03	434.14	417.35	394.08	368.33
G 27.0	413.39	432.02	444.31	451.00	450.81	448.73	450.85	452.50	446.98	433.59	415.06	390.40	363.03
G 28.0	410.80	431.17	446.29	453.54	451.97	449.08	451.82	454.50	448.98	433.13	411.98	386.10	357.88
G 29.0	408.01	430.12	448.16	454.51	451.99	448.16	451.26	455.18	450.51	432.53	408.66	381.46	351.61
G 30.0	404.60	429.03	449.10	454.30	451.34	446.59	450.40	454.44	451.51	430.88	405.23	376.49	345.44
G 31.0	400.89	427.92	448.76	453.79	449.14	443.79	447.98	453.65	450.80	429.35	400.87	370.48	338.71
G 32.0	396.98	426.46	446.66	452.15	445.17	436.11	442.88	450.82	449.02	427.33	396.96	364.68	331.75
G 33.0	393.02	424.39	444.26	449.48	436.90	424.90	434.68	447.90	445.83	424.86	392.51	358.56	325.19
G 34.0	388.42	420.88	441.31	443.18	424.84	412.67	422.15	440.05	443.03	421.82	386.85	351.44	317.79
G 35.0	383.49	416.49	437.11	432.82	410.26	397.13	407.86	428.73	437.95	416.87	380.63	344.65	310.34
G 36.0	377.70	410.82	431.13	419.60	396.20	380.86	393.98	414.79	431.98	410.69	375.21	337.76	302.81
G 37.0	371.31	405.11	423.40	405.39	379.33	365.55	376.77	400.81	421.04	404.21	368.78	330.15	295.95
G 38.0	364.99	397.46	410.40	388.69	362.07	346.78	359.40	384.13	408.08	396.39	361.61	322.15	288.21
G 39.0	358.27	389.51	396.02	371.42	344.76	330.12	342.40	364.76	393.47	387.27	354.53	314.72	281.16
G 40.0	350.51	381.95	379.78	355.25	327.68	315.62	325.63	348.66	375.81	378.55	345.25	305.42	272.55
G 41.0	341.69	371.76	363.24	335.32	311.89	300.34	309.37	331.18	357.79	366.50	337.33	296.73	264.62
G 42.0	333.15	359.92	345.07	319.53	296.37	284.62	294.31	313.48	341.59	352.73	327.51	288.79	257.02
G 43.0	322.41	345.14	327.67	303.32	282.77	271.22	280.30	297.24	323.18	338.90	317.72	279.86	249.35
G 44.0	312.93	329.38	309.61	287.45	267.62	255.43	264.47	282.95	305.00	322.21	307.48	270.80	241.20
G 45.0	302.12	314.57	292.24	271.57	252.88	241.56	250.52	267.22	289.71	305.16	298.09	262.85	233.02
G 46.0	291.60	299.06	275.21	258.25	238.88	229.91	237.70	252.03	271.98	289.76	286.87	253.84	224.27
G 47.0	281.55	282.32	260.54	242.79	226.68	217.76	223.57	237.61	256.77	272.95	277.21	244.46	214.74
G 48.0	272.01	265.99	244.75	229.67	215.50	206.60	212.63	223.94	240.62	256.47	266.02	236.85	206.20
G 49.0	260.41	250.82	230.15	217.22	204.30	195.63	202.34	212.38	225.54	241.45	255.12	228.15	197.75
G 50.0	248.13	233.21	215.94	203.77	193.19	182.89	189.60	200.66	211.29	225.82	240.99	219.51	188.53
G 51.0	234.50	217.72	202.65	193.44	180.53	169.98	178.21	189.58	199.46	210.26	229.46	211.44	179.79
G 52.0	220.76	204.79	190.14	184.20	169.10	160.72	166.79	178.19	186.43	197.32	216.09	202.03	170.23
G 53.0	206.39	190.08	179.04	172.58	158.61	151.11	155.65	167.13	174.81	183.94	203.37	192.32	162.38
G 54.0	194.42	177.88	166.40	159.61	149.15	142.98	146.56	155.65	163.98	171.54	191.18	183.78	153.96
G 55.0	182.23	165.88	157.16	148.94	141.17	134.53	138.43	145.40	154.85	161.28	178.31	174.32	146.26
G 56.0	168.29	155.09	149.42	139.11	132.61	126.17	130.09	135.92	144.67	149.59	165.99	165.19	137.24
G 57.0	157.74	143.77	138.95	130.33	124.49	118.24	122.02	128.31	134.82	139.26	154.72	158.41	129.29
G 58.0	145.85	133.85	128.60	123.30	116.48	111.85	114.54	119.46	125.51	130.20	143.12	149.87	122.43
G 59.0	136.02	124.97	119.48	115.64	109.53	105.06	107.28	112.57	116.30	121.45	132.66	141.40	115.12
G 60.0	125.66	115.89	110.68	107.48	102.79	98.38	100.59	105.20	107.92	112.91	123.31	134.39	108.22
G 61.0	116.18	107.53	103.17	100.89	96.89	91.89	95.06	98.38	101.04	105.01	113.60	126.60	102.25
G 62.0	107.45	99.89	97.15	95.31	90.38	86.27	88.68	92.57	93.52	98.47			

Luminaire			Measurem.			Source				
Code	614641.224		Code	CL2303/19-07L		Code	1006B/CL2303/19-07L			
Name	614641.224 SLY 24W 350mA 90°4000K		Name	614641.224 SLY 24W 350mA 90°4000K		Number	1			
Line	OXL		Date	12-09-2019		Position				
Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency	100.00%			
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	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	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50	388.50
G 1.0	388.79	388.50	388.45	388.24	388.11	387.91	387.88	387.73	387.73	387.56
G 2.0	389.32	388.85	388.57	388.25	387.99	387.66	387.57	387.29	387.27	387.17
G 3.0	390.06	389.28	389.02	388.50	388.25	387.66	387.47	387.07	386.96	386.82
G 4.0	390.71	389.86	389.23	388.71	388.25	387.83	387.58	387.12	387.08	386.83
G 5.0	391.60	390.39	389.81	389.05	388.60	388.09	387.91	387.56	387.26	387.06
G 6.0	392.38	391.00	390.30	389.51	389.04	388.70	388.52	388.15	387.92	387.52
G 7.0	393.13	391.39	390.62	390.03	389.78	389.35	389.29	388.88	388.82	388.40
G 8.0	393.72	391.68	390.85	390.30	390.40	390.30	390.33	389.97	389.98	389.50
G 9.0	394.08	391.83	390.89	390.53	390.97	391.34	391.65	391.42	391.31	390.90
G 10.0	394.24	391.58	390.74	390.80	391.59	392.38	393.10	393.24	393.09	392.85
G 11.0	394.23	391.30	390.27	390.75	392.29	393.70	395.02	395.32	395.41	395.11
G 12.0	393.92	390.47	389.65	390.62	392.91	395.08	396.88	397.84	397.79	397.78
G 13.0	393.39	389.55	388.62	390.37	393.31	396.48	398.89	400.31	400.78	400.96
G 14.0	392.51	388.03	387.30	389.73	393.79	398.02	401.59	403.37	404.45	404.49
G 15.0	391.03	386.27	385.63	388.71	394.04	399.46	404.18	406.61	407.86	408.25
G 16.0	389.20	383.73	383.21	387.39	394.11	401.10	406.72	410.23	412.01	412.19
G 17.0	386.74	380.87	380.50	385.51	393.90	402.62	409.34	413.67	416.05	415.68
G 18.0	383.73	377.71	377.17	383.66	393.48	403.88	412.19	417.63	419.26	418.97
G 19.0	380.57	373.38	373.36	380.99	392.79	405.05	415.07	421.21	422.55	421.88
G 20.0	376.74	369.21	369.45	377.87	391.80	406.02	418.32	424.17	426.27	425.56
G 21.0	372.67	364.23	365.00	374.49	390.40	406.62	420.82	427.06	429.19	428.07
G 22.0	367.96	359.11	359.99	371.16	388.71	407.08	422.76	429.85	431.73	429.85
G 23.0	362.97	353.54	354.63	366.72	386.76	407.65	424.02	432.21	433.22	430.86
G 24.0	358.25	347.87	349.07	362.80	384.40	407.83	425.19	434.12	433.98	431.40
G 25.0	352.57	342.08	343.26	358.07	381.64	407.53	425.92	434.62	434.02	431.74
G 26.0	346.55	335.74	337.57	353.36	378.54	406.28	426.21	434.27	434.22	431.80
G 27.0	340.20	329.42	331.05	348.05	375.28	404.47	425.59	432.84	433.92	430.00
G 28.0	334.03	321.72	324.24	342.79	371.92	402.41	423.87	431.45	432.00	426.69
G 29.0	327.27	314.30	317.87	336.79	368.07	399.57	421.03	429.96	428.76	421.88
G 30.0	320.04	307.65	310.44	331.14	363.80	396.24	416.76	426.97	423.79	416.20
G 31.0	312.54	299.36	303.16	324.48	359.67	392.12	411.69	422.34	418.60	411.42
G 32.0	305.47	291.31	295.62	318.41	353.93	387.09	406.86	416.75	412.65	403.55
G 33.0	297.82	284.18	287.99	311.76	348.75	381.12	401.53	409.95	406.23	394.03
G 34.0	290.52	276.04	280.23	305.02	342.73	374.72	394.86	402.24	396.86	383.88
G 35.0	282.64	268.01	273.56	298.74	335.91	367.04	387.58	395.59	387.14	370.40
G 36.0	274.66	260.79	265.41	291.78	329.06	359.33	378.08	387.63	375.17	353.44
G 37.0	266.58	252.44	257.39	284.70	322.28	350.22	366.92	376.16	360.24	337.69
G 38.0	259.33	244.58	250.41	277.55	313.84	341.04	357.38	365.62	342.37	320.48
G 39.0	250.38	236.51	241.86	270.29	306.31	331.18	346.50	353.45	324.58	305.03
G 40.0	243.08	228.97	233.83	262.92	298.05	321.80	336.91	337.46	307.84	291.05
G 41.0	234.74	220.77	226.72	256.29	289.10	311.55	328.26	319.87	291.83	275.27
G 42.0	226.37	212.60	218.52	248.34	279.80	300.66	314.54	300.98	277.52	258.20
G 43.0	217.92	204.39	210.36	240.67	270.63	289.56	302.58	283.35	261.55	245.16
G 44.0	209.54	196.08	202.47	233.24	260.30	277.47	291.09	267.40	246.30	230.91
G 45.0	201.85	188.79	193.84	224.33	249.86	266.45	275.49	251.01	233.18	217.99
G 46.0	193.42	179.87	185.76	216.57	240.33	254.66	258.31	235.32	217.94	206.95
G 47.0	184.99	172.69	178.51	208.30	230.08	243.41	242.61	222.37	206.02	195.41
G 48.0	176.74	165.27	170.37	199.63	219.76	233.52	227.65	207.06	193.99	184.00
G 49.0	168.59	157.16	162.61	190.85	210.10	224.46	211.56	194.88	182.30	175.10
G 50.0	160.51	149.41	154.78	182.77	199.72	211.98	197.50	182.57	171.31	164.49
G 51.0	153.63	142.91	147.89	173.94	189.49	203.36	184.40	170.12	162.98	153.39
G 52.0	145.99	135.80	140.39	165.07	180.68	194.59	170.21	159.00	153.85	144.51
G 53.0	138.58	128.92	133.14	157.09	171.04	182.73	159.41	149.54	143.10	136.08
G 54.0	131.59	122.54	126.11	148.69	162.15	170.26	148.45	139.84	133.13	128.24
G 55.0	124.86	116.11	119.83	140.53	153.14	159.24	138.92	131.00	125.51	120.64
G 56.0	118.02	110.03	112.69	132.96	144.40	148.06	128.27	124.03	117.82	113.00
G 57.0	111.32	104.44	106.80	125.14	135.78	137.35	120.16	115.77	111.42	105.84
G 58.0	105.53	99.21	100.89	117.60	128.63	127.08	112.49	106.78	104.54	99.07
G 59.0	99.63	93.57	95.44	111.07	120.85	117.35	103.81	99.77	96.91	93.41
G 60.0	93.78	87.95	89.45	104.22	112.94	108.28	96.49	92.99	90.92	87.95
G 61.0	88.24	83.14	84.82	97.61	106.31	100.73	90.31	86.90	84.73	81.43
G 62.0	82.96	78.86	79.77	91.43	100.34	93.12	83.98	81.70	79.45	75.98
G 63.0	78.51	74.47	75.02	86.01	93.57	85.33	78.30	75.99	75.07	71.61
G 64.0	73.73	70.26	70.64	80.28	87.93	79.16	73.62	71.68	69.69	67.08
G 65.0	69.17	66.57	66.10	74.60	82.34	73.44	68.65	66.68	63.84	62.44
G 66.0	64.81	62.38	62.33	69.60	77.77	67.74	63.94	62.17	59.69	58.03
G 67.0	60.65	59.04	58.37	65.23	72.67	62.53	59.21	57.84	55.72	53.97
G 68.0	56.64	55.39	54.58	60.49	67.62	57.70	55.11	53.69	51.67	50.24
G 69.0	53.06	52.04	51.37	56.10	62.52	53.16	50.72	49.90	47.98	47.03
G 70.0	49.65	48.58	47.92	51.60	57.60	49.36	47.54	46.49	44.27	43.49
G 71.0	46.05	45.72	44.58	47.57	52.63	45.56	43.78	42.55	40.82	39.88
G 72.0	42.64	42.57	41.40	44.28	48.62	41.80	40.67	38.66	37.49	36.14



Luminaire					Measurem.					Source					
Code	614641.224				Code	CL2303/19-07I				Code	1006B/CL2303/19-07L				
Name	614641.224 SLY 24W 350mA 90°4000K				Name	614641.224 SLY 24W 350mA 90°4000K				Number	1				
Line	OXL				Date	12-09-2019				Position					
Luminaire Flux		3364.09 lm		Luminaire Power		27.14 W		Efficacy		123.97 lm/W		Efficiency		100.00%	
Sources Flux		3364.09 lm		Maximum value		455.18 cd/klm		Position		C=200.00 G=29.00		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	33.22	33.73	34.82	36.15	37.62	38.72	44.54	40.59	38.84	39.97	40.28	45.64	50.21		
G 74.0	29.94	30.07	31.74	32.38	34.66	35.33	40.66	37.59	36.10	37.02	37.22	41.96	46.30		
G 75.0	26.17	26.86	28.02	28.85	31.04	32.46	36.97	34.29	33.44	34.13	34.32	38.43	42.19		
G 76.0	23.05	23.44	24.50	25.51	28.47	29.33	33.83	31.12	30.67	31.35	31.54	35.08	38.30		
G 77.0	19.76	20.22	21.06	21.91	24.84	26.26	29.88	28.38	28.04	28.52	28.97	32.09	34.55		
G 78.0	16.89	17.41	18.21	18.86	21.64	23.25	27.03	25.56	25.56	25.78	26.30	28.94	31.34		
G 79.0	14.90	14.86	15.56	15.58	18.25	20.20	23.81	22.71	23.29	23.08	23.93	25.87	27.81		
G 80.0	13.00	12.90	13.52	13.43	15.16	17.24	20.91	19.98	20.70	20.71	21.53	23.20	24.50		
G 81.0	11.10	11.16	11.64	11.57	12.50	13.96	17.81	17.28	18.04	18.12	18.92	20.04	21.10		
G 82.0	9.37	9.20	9.63	9.67	10.54	11.10	14.80	14.69	15.52	15.56	16.28	17.40	18.13		
G 83.0	7.67	7.55	7.78	7.92	8.61	8.93	11.69	12.40	13.12	13.34	14.02	14.52	14.90		
G 84.0	6.17	6.03	6.25	6.23	6.53	7.10	8.82	9.90	10.77	10.90	11.32	12.12	11.50		
G 85.0	4.79	4.66	4.82	4.82	4.82	5.19	6.51	7.10	8.60	8.62	9.45	9.44	8.33		
G 86.0	3.50	3.37	3.38	3.44	3.55	3.74	4.25	4.94	6.18	6.53	6.97	6.46	5.42		
G 87.0	2.20	2.17	2.20	2.16	2.36	2.54	2.93	3.07	4.29	4.50	4.88	4.13	3.34		
G 88.0	1.17	1.07	1.12	1.18	1.32	1.40	1.68	1.72	2.19	2.65	2.71	2.10	2.27		
G 89.0	0.28	0.29	0.27	0.27	0.32	0.36	0.37	0.74	0.93	1.09	0.99	1.09	1.11		
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		



<b>Luminaire</b>				<b>Measurem.</b>				<b>Source</b>			
Code	614641.224			Code	CL2303/19-07I			Code	1006B/CL2303/19-07L		
Name	614641.224 SLY 24W 350mA 90°4000K			Name	614641.224 SLY 24W 350mA 90°4000K			Number	1		
Line	OXL			Date	12-09-2019			Position			

Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency	100.00%
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	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	45.42	43.65	42.84	41.50	39.58	37.23	38.08	40.04	41.63	42.79	44.53	49.65	44.75
G 74.0	41.80	40.09	38.89	37.57	35.85	33.36	34.55	36.12	37.67	39.27	40.72	45.62	41.16
G 75.0	38.02	37.03	35.06	33.63	31.80	29.63	30.74	32.24	33.92	35.72	37.59	41.50	37.70
G 76.0	34.48	33.30	31.21	30.27	28.15	26.23	27.31	28.54	30.06	32.41	33.90	37.64	34.44
G 77.0	31.43	30.06	27.80	26.32	24.60	22.79	23.75	25.08	26.58	28.93	30.81	33.86	31.17
G 78.0	28.23	26.31	24.01	22.67	21.02	19.45	20.33	21.34	23.44	25.46	27.58	30.23	28.65
G 79.0	25.00	23.07	20.37	19.38	17.85	16.21	17.03	18.01	19.62	22.15	24.65	26.73	25.46
G 80.0	21.87	19.46	16.98	15.82	14.70	13.08	13.63	14.45	16.20	18.09	21.40	23.79	22.46
G 81.0	18.29	15.87	13.64	12.81	11.73	10.60	11.22	11.70	13.02	15.00	18.42	20.56	19.91
G 82.0	15.24	12.75	10.74	10.32	9.80	9.06	9.29	9.67	10.10	11.60	14.76	17.54	16.91
G 83.0	11.79	9.31	8.59	8.51	8.35	7.72	7.88	7.84	8.34	8.88	11.35	14.06	14.23
G 84.0	8.67	7.44	6.85	6.88	6.83	6.36	6.51	6.32	6.69	7.07	8.55	10.74	11.91
G 85.0	6.38	5.63	5.38	5.51	5.62	5.20	5.31	5.18	5.13	5.13	6.07	7.54	9.24
G 86.0	4.41	4.26	4.20	4.42	4.38	4.08	4.19	4.10	3.96	3.97	4.20	5.26	6.37
G 87.0	3.12	3.13	3.13	3.28	3.20	2.79	2.88	2.88	2.96	2.85	2.92	3.08	3.80
G 88.0	1.98	2.11	1.99	2.06	2.11	1.66	1.67	1.67	1.81	1.76	1.82	1.89	1.91
G 89.0	0.99	1.00	0.90	0.99	0.76	0.49	0.55	0.61	0.63	0.71	0.79	0.86	0.87
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	614641.224	Code	CL2303/19-07I	Code	1006B/CL2303/19-07L
Name	614641.224 SLY 24W 350mA 90°4000K	Name	614641.224 SLY 24W 350mA 90°4000K	Number	1
Line	OXL	Date	12-09-2019	Position	

Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency	100.00%
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	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	39.66	39.53	38.64	40.41	44.45	38.62	37.80	35.31	34.17	32.86
G 74.0	36.63	36.53	35.71	37.23	40.45	34.96	34.19	31.21	30.62	29.49
G 75.0	33.68	33.83	32.87	34.08	36.66	32.01	31.24	28.03	27.51	26.01
G 76.0	31.23	30.95	30.26	30.70	33.17	28.80	27.93	24.71	23.65	22.62
G 77.0	28.29	28.29	27.85	28.11	29.70	25.63	24.50	21.34	20.53	19.41
G 78.0	25.59	25.82	25.13	25.19	26.65	22.95	20.98	18.02	17.36	16.63
G 79.0	23.35	23.13	22.88	22.65	23.37	20.05	17.38	15.23	14.81	14.51
G 80.0	20.79	20.49	20.25	19.89	20.22	16.59	14.56	12.81	12.80	12.61
G 81.0	18.23	18.17	17.25	17.19	17.16	13.84	12.01	10.93	10.80	10.68
G 82.0	15.77	15.39	14.99	14.65	14.01	10.99	9.90	9.35	9.04	8.85
G 83.0	13.25	13.17	12.78	12.13	10.97	8.69	7.94	7.36	7.28	7.27
G 84.0	10.94	10.90	10.43	9.70	8.17	6.80	6.07	5.64	5.75	5.60
G 85.0	8.70	8.47	8.48	7.08	5.95	4.75	4.45	4.40	4.21	4.38
G 86.0	6.49	6.29	6.02	4.68	4.03	3.40	3.15	2.98	3.02	2.97
G 87.0	4.40	4.22	3.82	2.96	2.52	2.31	2.03	1.95	1.71	1.78
G 88.0	2.34	2.45	1.87	1.55	1.35	1.24	1.09	0.92	0.76	0.78
G 89.0	0.73	0.90	0.67	0.48	0.30	0.24	0.17	0.20	0.16	0.16
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 614641.224  
Name 614641.224 SLY 24W 350mA 90°4000K  
Line OXL

**Measurem.**

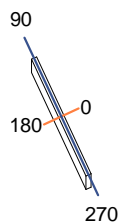
Code CL2303/19-07I  
Name 614641.224 SLY 24W 350mA 90°4000K  
Date 12-09-2019

**Source**

Code 1006B/CL2303/19-07L  
Number 1  
Position

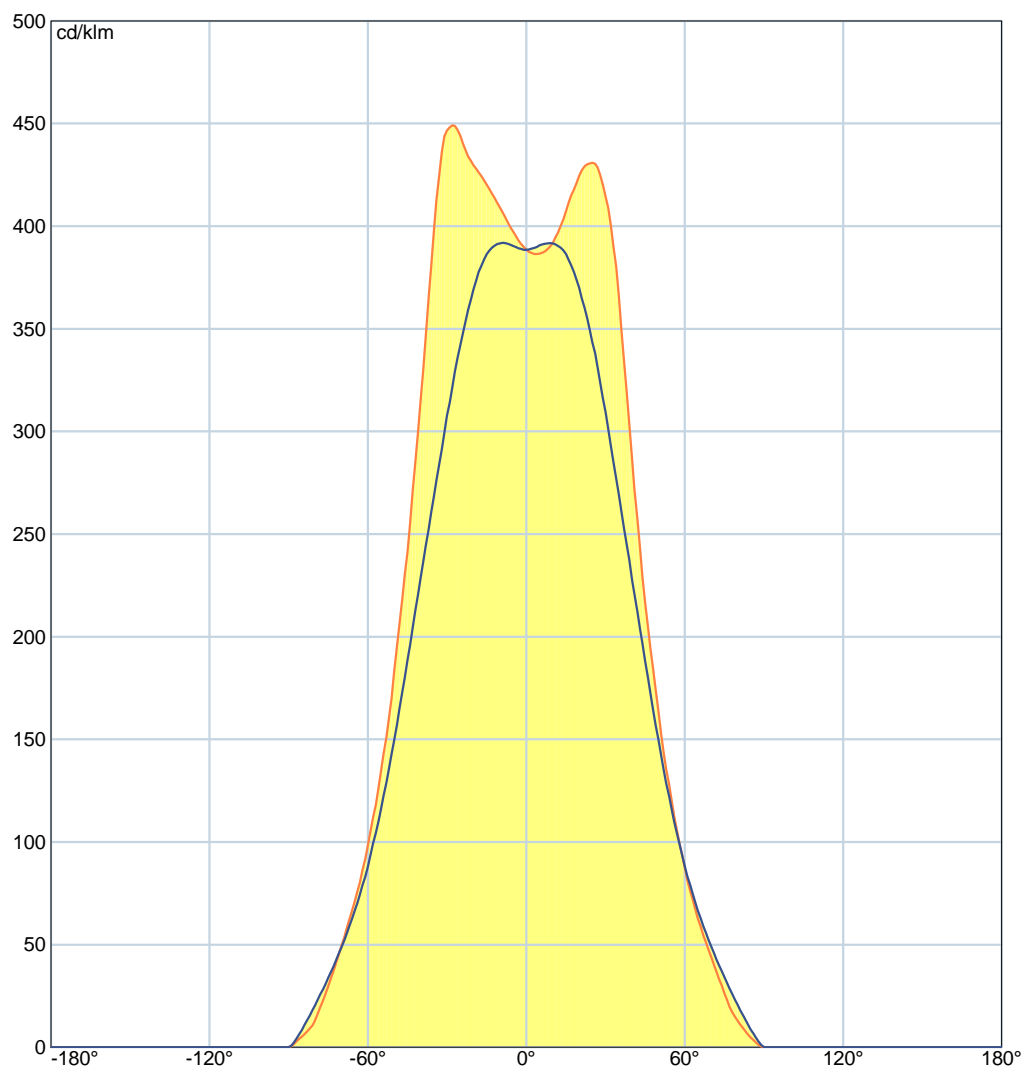
Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency	100.00%
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	CG	Asymmetrical

1130mm x 50mm



C Halfplanes

180.0 ———— 0.0  
270.0 ———— 90.0



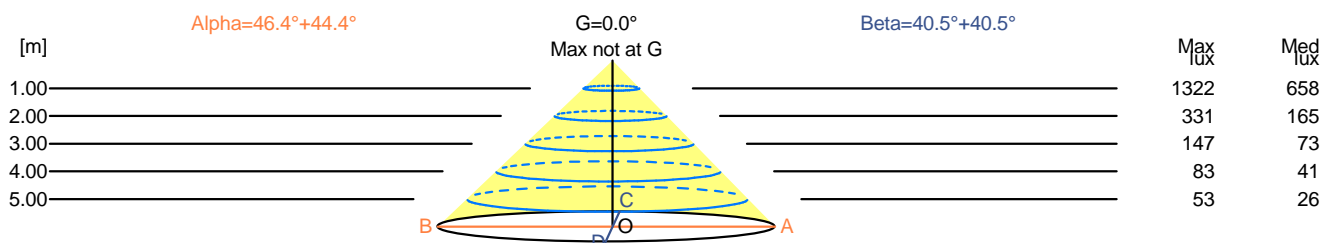
Luminaire			Measurem.			Source		
Code	614641.224		Code	CL2303/19-07I		Code	1006B/CL2303/19-07L	
Name	614641.224 SLY 24W 350mA 90°4000K		Name	614641.224 SLY 24W 350mA 90°4000K		Number	1	
Line	OXL		Date	12-09-2019		Position		

Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency	100.00%
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	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	0.98	1.96	2.93	3.91	4.89	OC	0.85	1.71	2.56	3.41	4.27
OB	1.05	2.10	3.15	4.21	5.26	OD	0.86	1.71	2.57	3.42	4.28

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1306.94	1300.42	1370.26	1449.38	1231.76	729.96	404.36	210.31	88.05	16.11
OB	1306.94	1336.67	1413.56	1493.72	1335.98	812.61	452.59	239.08	99.69	17.51
OC	1306.94	1313.98	1299.78	1155.92	905.79	633.41	390.23	223.37	114.82	29.00
OD	1306.94	1313.32	1299.45	1150.79	901.61	635.11	390.59	223.96	113.80	28.50



H[m]	D[m]	Max lux	Med lux	Alpha=46.4°+44.4°	G=0.0 Max not at G	
1.00	2.03	1322	658			
2.00	4.06	331	165			
3.00	6.09	147	73			
4.00	8.12	83	41			
5.00	10.15	53	26			

H[m]	D[m]	Max lux	Med lux	Beta=40.5°+40.5°	G=0.0 Max not at G	
1.00	1.71	1322	658			
2.00	3.42	331	165			
3.00	5.13	147	73			
4.00	6.83	83	41			
5.00	8.54	53	26			

Luminaire			Measurem.			Source	
Code	614641.224		Code	CL2303/19-07I		Code	1006B/CL2303/19-07L
Name	614641.224 SLY 24W 350mA 90°4000K		Name	614641.224 SLY 24W 350mA 90°4000K		Number	1
Line	OXL		Date	12-09-2019		Position	
Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency	100.00%
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	CG	Asymmetrical

## Integrated Spectrum

Std.: EN 13032 4 2015

CIE1931 x = 0.384616 y = 0.384218  
CIE1960 u = 0.224876 v = 0.336965  
CIE1976 u' = 0.224876 v' = 0.505448  
D(u,v) 0.00226  
Delta(u',v') 0.00397

Color rendering index (CRI)  
Color Rendering Components

CCT = 3944 K

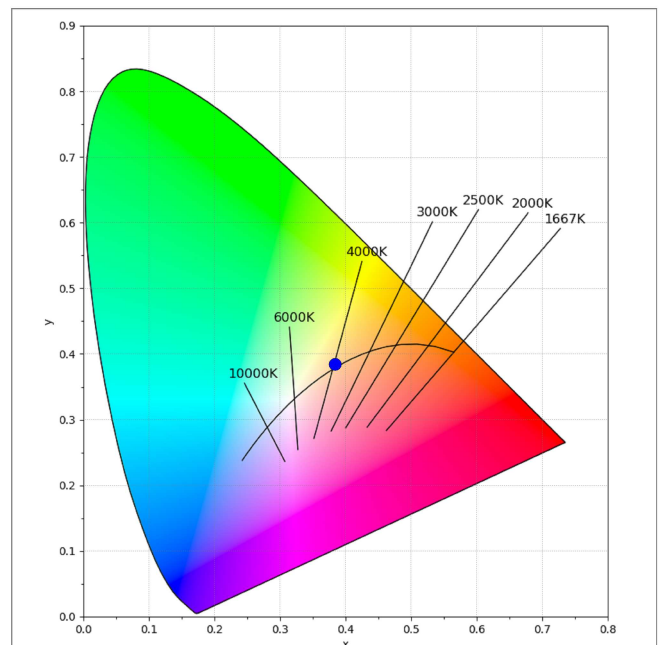
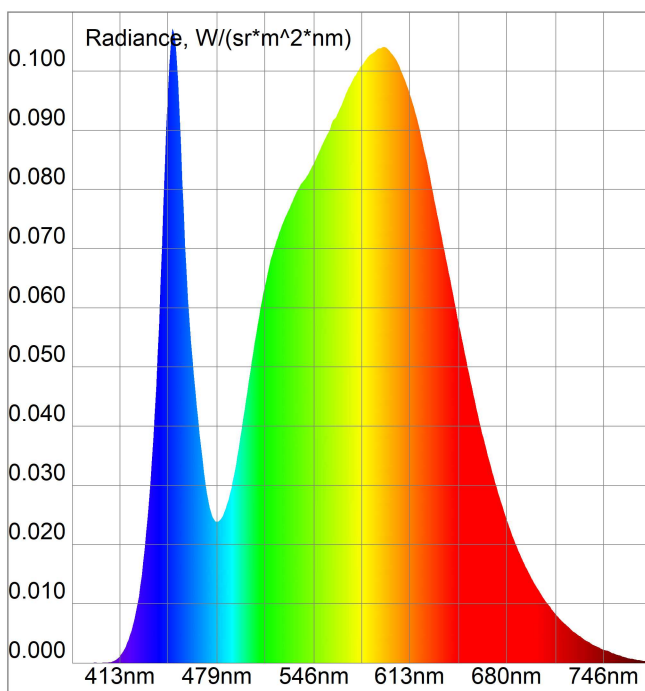
CRI8(Ra) 80.8

CRI15(Rav) 73.3  
R 1: 78.8 R 2: 86.0 R 3: 91.9 R 4: 80.6 R 5: 78.6  
R 6: 80.7 R 7: 86.2 R 8: 63.4 R 9: 2.7 R10: 66.8  
R11: 78.9 R12: 56.8 R13: 80.2 R14: 95.4 R15: 72.2

## 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	0.000000	386.0	0.000000	392.0	0.000000
398.0	0.000000	404.0	0.000035	410.0	0.000481
416.0	0.002265	422.0	0.006386	428.0	0.014820
434.0	0.030705	440.0	0.057279	446.0	0.096105
452.0	0.102681	458.0	0.070392	464.0	0.048751
470.0	0.034183	476.0	0.025285	482.0	0.024117
488.0	0.027622	494.0	0.034917	500.0	0.044399
506.0	0.054072	512.0	0.062436	518.0	0.068911
524.0	0.073372	530.0	0.076798	536.0	0.080059
542.0	0.082222	548.0	0.085019	554.0	0.088271
560.0	0.091725	566.0	0.094270	572.0	0.097702
578.0	0.100301	584.0	0.102361	590.0	0.103540
596.0	0.104074	602.0	0.102526	608.0	0.099466
614.0	0.095426	620.0	0.090025	626.0	0.083292
632.0	0.075731	638.0	0.068364	644.0	0.060935
650.0	0.053552	656.0	0.046479	662.0	0.039830
668.0	0.034084	674.0	0.028802	680.0	0.024136
686.0	0.020162	692.0	0.016767	698.0	0.013904
704.0	0.011452	710.0	0.009430	716.0	0.007589
722.0	0.006200	728.0	0.004950	734.0	0.003871
740.0	0.002984	746.0	0.002284	752.0	0.001783
758.0	0.001276	764.0	0.000792	770.0	0.000495
776.0	0.000308	782.0	0.000207	788.0	0.000207

## Spectrum Graph



**Luminaire**

Code 614641.224  
Name 614641.224 SLY 24W 350mA 90°4000K  
Line OXL

**Measurem.**

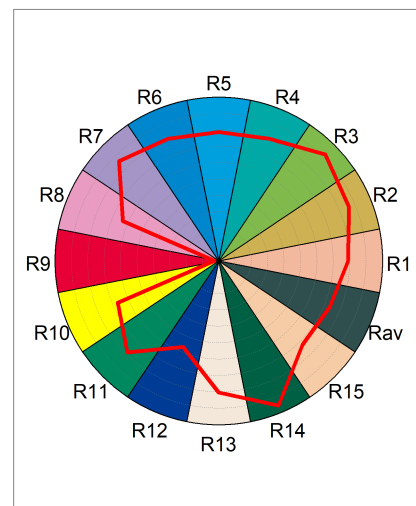
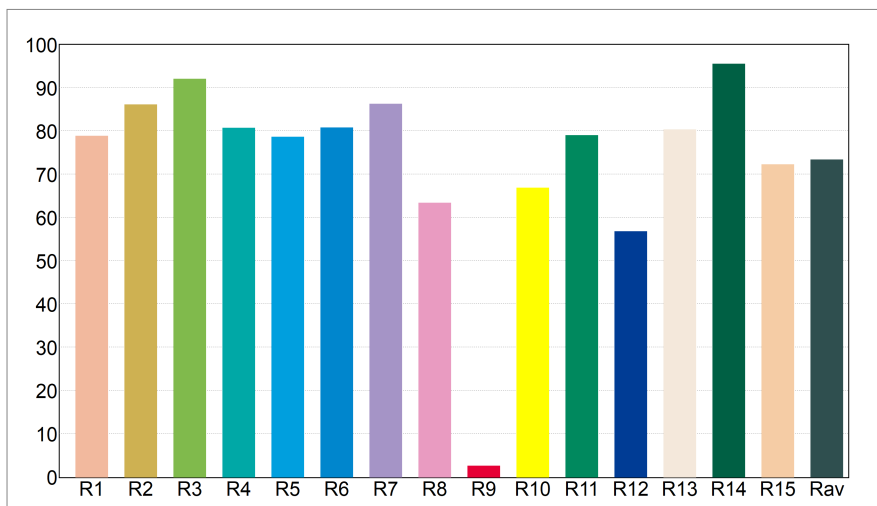
Code CL2303/19-07I  
Name 614641.224 SLY 24W 350mA 90°4000K  
Date 12-09-2019

**Source**

Code 1006B/CL2303/19-07L  
Number 1  
Position

Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency	100.00%
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	CG	Asymmetrical

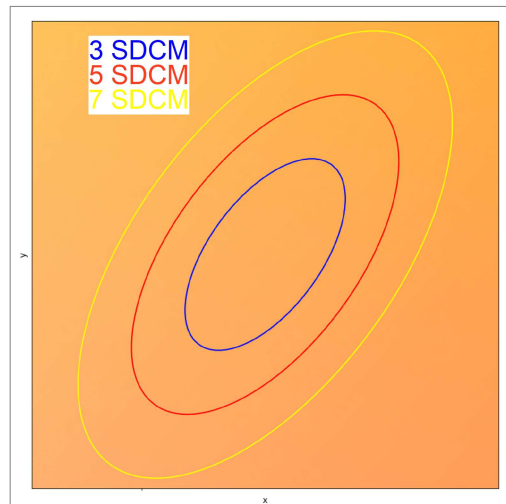
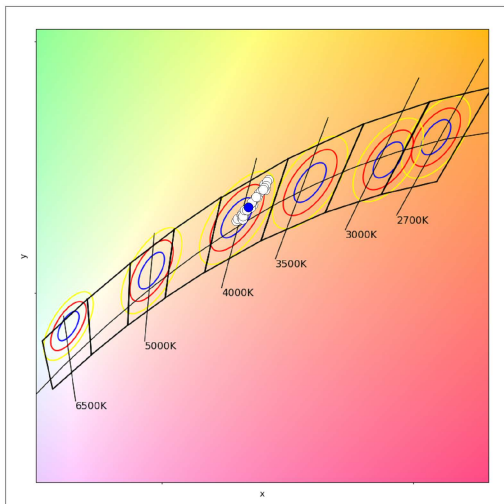
### CRI Graphs



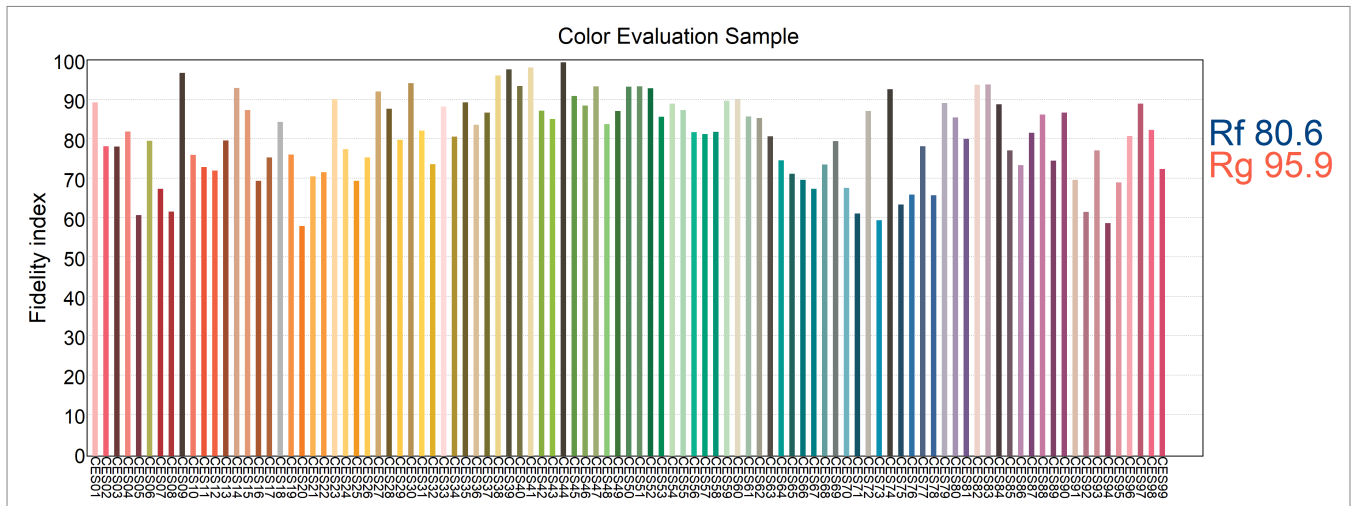
### McAdam's Diagram

Analisi di MacAdams  
ANSI C78-376

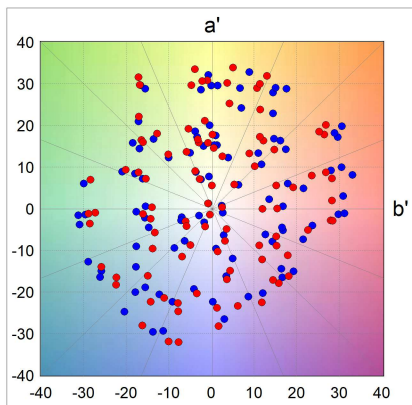
- Step 3: 0 / 36
- Step 5: 0 / 36
- Step 7: 0 / 36
- Step outside: 36 / 36
- Int. Spec. in 4-step: NO
- 95% in 5-step: NO



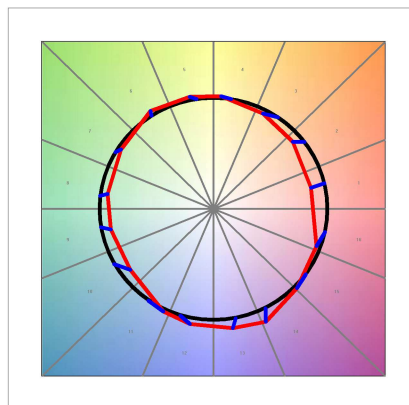
<b>Luminaire</b>		<b>Measurem.</b>		<b>Source</b>		
Code	614641.224	Code	CL2303/19-07I	Code	1006B/CL2303/19-07L	
Name	614641.224 SLY 24W 350mA 90°4000K	Name	614641.224 SLY 24W 350mA 90°4000K	Number	1	
Line	OXL	Date	12-09-2019	Position		
Luminaire Flux	3364.09 lm	Luminaire Power	27.14 W	Efficacy	123.97 lm/W	Efficiency 100.00%
Sources Flux	3364.09 lm	Maximum value	455.18 cd/klm	Position	C=200.00 G=29.00	CG Asymmetrical



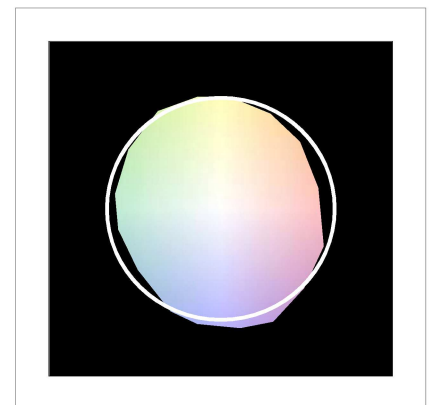
Chromatic Coordinates (a', b') 99 CES



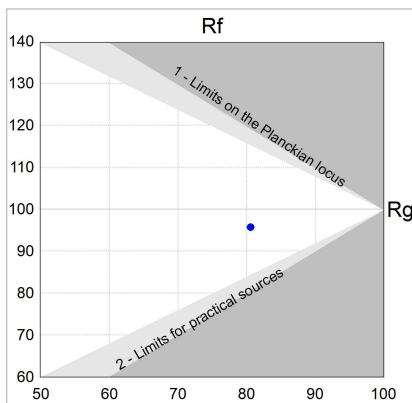
Color Vector Graphic



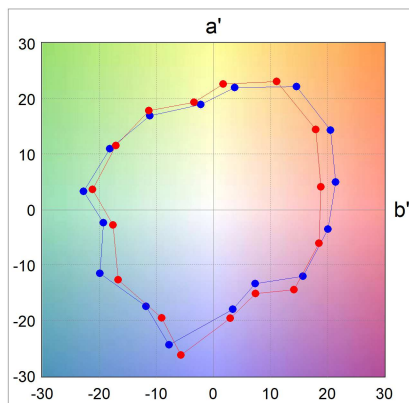
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

