

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P600849

Luminaire Tested: **2SLSTPSC-UNV-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (220317012-01-001)
Test Lab: INNOVATION CENTER
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SLSTPSC-UNV-5000K
Description: G3 2ft 2SLSTPSC-UNV at 5000K
Light Source: -
Ballast/Driver: -

Summary

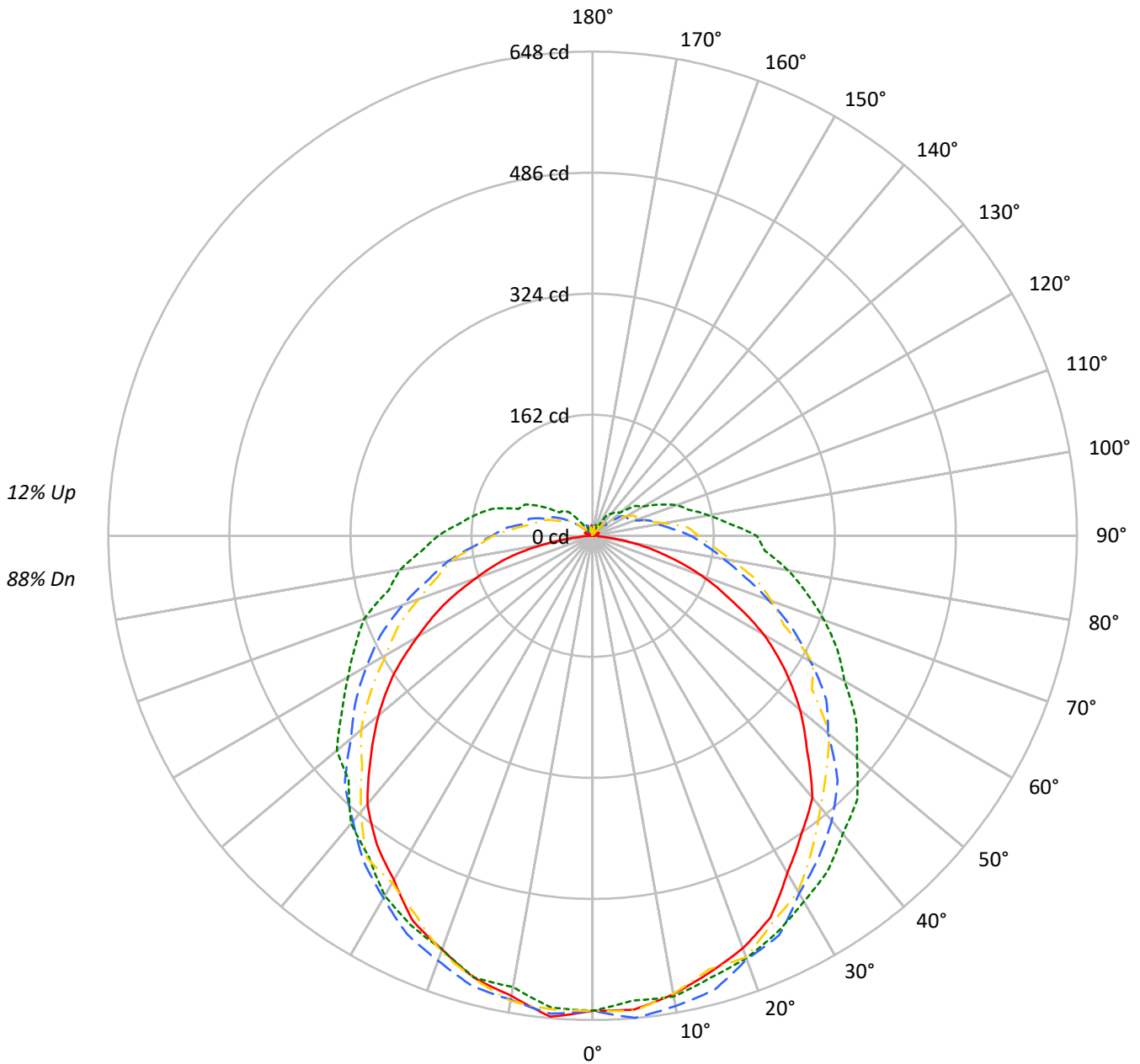
Lumens per Lamp: N/A
Luminaire Lumens: 2469.7 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 2' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 21.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: 2SLSTPSC-UNV-5000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88			88
1	104	98	93	88	99	94	90	85	88	84	81	82	79	76	76	74	72	69			69
2	93	84	76	70	89	81	74	68	75	70	65	70	66	61	66	62	58	55			55
3	85	73	64	57	81	71	62	56	66	59	53	61	56	51	57	53	49	46			46
4	77	64	55	48	74	62	54	47	58	51	45	54	48	43	51	46	41	38			38
5	71	57	48	41	68	55	47	40	52	44	38	49	42	37	46	40	35	33			33
6	65	51	42	35	62	50	41	35	47	39	33	44	37	32	41	35	31	29			29
7	60	46	37	31	58	45	37	30	42	35	29	40	33	28	38	32	27	25			25
8	56	42	33	27	54	41	33	27	39	31	26	36	30	25	34	29	24	22			22
9	52	39	30	25	50	38	30	24	36	28	23	34	27	23	32	26	22	20			20
10	49	36	28	22	47	35	27	22	33	26	21	31	25	21	29	24	20	18			18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15804	14383	16042	14604
10°	15497	13490	15555	13213
15°	15198	12469	15389	12469
20°	15019	11706	15060	11467
25°	14774	10982	14921	10797
30°	14136	10321	14432	10151
35°	13802	9814	14273	9363
40°	13675	9214	14003	8897
45°	12928	8821	13380	8137
50°	12467	8167	12866	7904
55°	11875	7699	12289	7325
60°	11129	7098	11365	6892
65°	9832	6774	10575	6575
70°	8685	6405	9338	6321
75°	6943	6028	8283	5752
80°	4840	5703	5901	5617
85°	1012	5321	2127	5268



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	2.4
10°-20°	173.2	7.0
20°-30°	264.9	10.7
30°-40°	324.3	13.1
40°-50°	347.2	14.1
50°-60°	332.4	13.5
60°-70°	287.0	11.6
70°-80°	223.7	9.1
80°-90°	160.2	6.5
90°-100°	111.7	4.5
100°-110°	75.0	3.0
110°-120°	49.8	2.0
120°-130°	30.3	1.2
130°-140°	15.5	0.6
140°-150°	7.2	0.3
150°-160°	4.0	0.2
160°-170°	2.4	0.1
170°-180°	0.6	0.0
0°-30°	498.5	20.2
0°-40°	822.8	33.3
0°-60°	1502.4	60.8
0°-90°	2173.3	88.0
90°-120°	236.5	9.6
90°-150°	289.4	11.7
90°-180°	296.0	12.0
0°-180°	2469.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	636	636	636	636	636	
5°	636	624	646	634	636	60
15°	605	612	613	612	605	171
25°	563	585	569	575	563	258
35°	487	548	504	523	487	306
45°	406	500	420	462	406	315
55°	315	430	326	409	315	281
65°	205	361	220	351	205	205
75°	101	296	120	283	101	108
85°	8	232	17	229	8	19
90°	8	220	2	207	8	4
95°	2	184	2	180	2	2
105°	4	134	2	139	4	4
115°	9	99	0	99	9	6
125°	3	70	0	54	3	1
135°	2	45	6	45	2	2
145°	4	35	5	14	4	3
155°	12	9	0	4	12	4
165°	6	15	5	9	6	1
175°	3	5	14	4	3	1
180°	8	8	8	8	8	



TEST NUMBER: P600849

CATALOG NUMBER: 2SLSTPSC-UNV-5000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6
5°	636.5	631.5	624.5	647.7	654.4	637.5	624.2	630.8	627.9	637.8	636.5
10°	622.9	616.6	631.5	639.1	645.4	619.6	626.2	623.2	623.9	622.2	634.2
15°	605.0	599.4	607.7	629.2	632.8	619.9	612.0	611.3	611.0	600.7	613.6
20°	587.5	589.4	583.8	603.0	615.9	612.6	601.4	602.4	593.1	600.0	592.4
25°	563.3	554.7	570.9	590.1	603.7	594.1	585.1	575.5	579.5	570.2	562.3
30°	520.9	526.2	540.1	552.7	571.9	568.6	565.3	557.7	539.1	549.7	535.8
35°	487.1	496.7	504.0	526.5	536.1	541.4	548.1	532.8	527.9	512.0	506.0
40°	457.6	456.0	469.9	497.7	506.3	516.9	520.6	515.9	502.7	474.2	466.9
45°	405.7	404.0	444.7	463.6	473.9	481.2	500.4	479.2	469.2	442.4	432.5
50°	362.3	363.6	391.4	411.3	436.5	446.4	461.6	440.4	435.8	413.3	387.1
55°	314.9	311.6	352.3	381.5	407.3	422.2	430.2	414.9	392.4	358.3	342.4
60°	264.6	270.2	300.4	336.8	364.3	377.5	389.1	379.2	361.9	340.1	288.4
65°	205.0	222.9	256.0	295.4	325.9	350.7	361.3	344.1	325.9	281.8	255.3
70°	154.3	180.8	216.6	249.7	291.1	312.9	329.5	312.3	300.4	254.7	206.0
75°	101.0	124.2	173.9	209.6	250.3	286.1	296.4	284.5	260.6	226.2	169.9
80°	54.3	84.8	129.8	177.5	229.8	258.6	265.3	243.7	229.5	187.8	142.4
85°	7.9	51.7	103.3	152.3	207.3	229.2	231.5	236.4	199.7	160.9	103.6
90°	7.9	31.1	84.8	131.1	174.8	195.7	219.6	198.7	179.8	141.4	83.8
95°	2.0	26.2	71.2	106.6	140.1	172.2	183.5	176.8	149.0	127.8	69.2
100°	0.7	10.9	47.7	88.1	130.8	146.7	157.3	144.0	123.5	95.7	57.3
105°	3.6	9.6	26.5	79.1	103.0	127.8	133.8	126.5	112.9	74.5	39.1
110°	5.6	3.3	22.2	58.3	81.5	105.6	119.9	109.6	79.8	63.9	28.8
115°	9.3	12.3	23.2	52.7	70.2	98.0	98.7	85.8	73.5	62.6	24.8
120°	0.0	2.0	32.8	51.7	59.9	79.1	78.2	77.8	68.9	52.7	23.2
125°	2.6	4.6	19.2	45.4	58.3	59.3	69.5	69.5	50.3	40.1	22.2
130°	0.0	3.0	7.9	21.5	42.1	43.4	48.0	46.4	40.4	31.5	10.6
135°	2.0	10.6	0.7	24.5	34.8	35.1	45.0	43.0	31.5	26.2	4.6
140°	7.6	7.3	14.6	7.6	29.8	43.0	38.1	41.4	39.4	11.9	8.9
145°	3.6	1.7	19.2	7.3	1.7	30.5	35.4	26.5	11.9	2.6	14.2
150°	7.3	7.9	9.6	11.6	10.3	5.0	9.9	1.7	8.6	16.6	7.9
155°	11.6	11.9	12.6	10.6	7.0	4.3	9.3	7.9	8.3	10.9	8.9
160°	0.0	13.2	3.0	3.6	14.6	7.0	11.9	0.0	20.5	7.6	9.6
165°	6.0	7.0	11.9	8.9	11.3	9.9	15.2	4.6	9.3	3.6	6.6
170°	9.6	6.0	0.0	13.6	5.0	0.0	0.0	7.6	10.6	12.9	4.6
175°	3.3	0.0	5.0	9.3	16.6	4.6	5.3	11.3	4.6	7.3	4.3
180°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6	635.6
5°	640.1	646.1	633.5	623.6	642.1	656.3	631.2	633.8	626.2	629.8	636.1
10°	626.5	625.2	622.9	626.5	630.5	644.1	621.9	613.3	610.6	619.6	632.2
15°	619.9	612.6	609.3	605.7	623.6	636.5	618.3	612.0	599.4	610.3	613.3
20°	605.3	589.1	592.4	600.7	605.0	609.0	596.7	589.1	581.8	590.8	592.4
25°	575.9	568.9	566.3	570.2	588.1	595.1	581.2	575.2	571.9	566.6	560.0
30°	541.8	531.8	541.4	550.0	559.6	578.5	570.2	556.0	546.4	549.4	536.1
35°	496.4	503.7	501.4	516.6	533.5	546.7	529.8	522.9	517.9	512.3	526.5
40°	464.9	468.6	464.6	473.2	498.7	507.3	509.0	502.7	500.0	486.5	481.8
45°	415.6	419.9	423.9	442.1	468.9	489.8	472.2	461.6	467.3	453.0	436.1
50°	373.2	373.9	382.5	392.7	421.6	444.4	455.0	446.7	441.1	419.9	404.3
55°	326.2	325.9	326.8	361.9	387.1	403.7	415.9	409.3	404.3	383.1	361.9
60°	273.5	270.2	294.4	311.3	349.0	375.9	385.8	377.8	367.9	358.0	318.9
65°	215.6	220.5	238.1	270.2	312.3	327.2	340.8	350.7	333.8	315.3	286.8
70°	173.2	165.9	188.1	233.5	269.6	297.4	311.9	325.2	308.6	289.1	247.0
75°	118.6	120.5	140.7	185.4	227.5	264.6	284.5	282.8	281.5	242.1	214.9
80°	87.1	66.2	98.7	152.3	196.0	232.5	247.0	261.3	248.4	225.8	192.7
85°	63.2	16.6	69.2	104.0	158.6	197.0	218.2	229.2	220.2	192.7	154.0
90°	42.4	2.3	33.1	91.1	134.1	172.5	189.7	206.6	183.1	165.2	132.5
95°	18.2	1.7	21.2	64.9	116.6	141.4	160.9	179.8	166.9	144.0	106.3
100°	25.2	0.0	22.5	47.7	91.4	121.9	147.0	159.3	149.7	119.5	84.8
105°	18.2	1.7	11.6	36.1	88.1	103.6	120.2	139.4	123.8	94.4	73.2
110°	15.2	11.3	8.6	22.8	66.6	92.1	96.0	105.3	98.4	86.4	62.6
115°	13.9	0.0	11.3	26.2	58.9	67.2	87.1	99.3	79.5	67.2	43.4
120°	10.6	10.3	5.3	13.9	44.4	56.0	78.5	77.8	71.2	59.9	40.7
125°	7.6	0.0	0.0	9.6	29.8	53.6	60.9	54.3	52.0	45.4	32.5
130°	9.3	8.6	14.2	2.0	10.3	42.4	48.3	51.7	59.6	36.1	11.6
135°	16.9	6.3	8.9	0.7	5.6	16.2	41.7	44.7	37.4	22.5	15.2
140°	7.3	4.0	8.6	1.7	5.3	10.3	3.6	15.9	0.0	5.0	1.0
145°	7.6	5.3	5.6	16.2	3.6	5.0	13.2	13.9	10.6	7.9	6.6
150°	2.6	7.6	3.3	8.9	16.2	20.2	5.0	6.6	7.3	8.6	9.9
155°	7.6	0.0	11.3	5.0	13.9	16.6	7.0	3.6	2.0	12.9	8.3
160°	1.3	0.0	6.3	14.6	11.3	7.0	11.6	14.9	14.6	10.9	4.3
165°	10.3	5.3	7.3	1.7	7.3	12.3	10.3	8.9	20.2	11.3	11.9
170°	0.0	3.0	15.6	9.9	0.3	0.0	5.6	13.6	9.3	0.7	7.9
175°	3.3	14.2	0.0	6.3	12.6	6.0	3.6	4.3	4.6	5.0	0.0
180°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	635.6	635.6	635.6
5°	644.4	626.9	636.5
10°	626.5	620.2	622.9
15°	608.3	612.3	605.0
20°	581.8	593.1	587.5
25°	566.3	563.0	563.3
30°	534.1	526.9	520.9
35°	491.4	495.7	487.1
40°	472.9	459.0	457.6
45°	428.5	410.0	405.7
50°	394.1	374.9	362.3
55°	347.7	321.2	314.9
60°	311.6	279.8	264.6
65°	261.6	229.2	205.0
70°	209.0	166.6	154.3
75°	173.5	122.9	101.0
80°	139.7	90.7	54.3
85°	107.6	61.6	7.9
90°	79.5	28.5	7.9
95°	65.6	22.8	2.0
100°	50.7	19.2	0.7
105°	26.8	17.2	3.6
110°	27.5	7.9	5.6
115°	25.8	16.6	9.3
120°	16.2	0.0	0.0
125°	14.2	4.0	2.6
130°	7.0	17.6	0.0
135°	5.0	3.0	2.0
140°	8.3	8.3	7.6
145°	6.6	13.9	3.6
150°	16.9	6.6	7.3
155°	4.0	7.6	11.6
160°	6.0	12.9	0.0
165°	2.6	11.3	6.0
170°	12.6	9.6	9.6
175°	8.3	8.9	3.3
180°	7.9	7.9	7.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°











(END OF REPORT)