

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: P290317

Luminaire Tested: **8SSRK-SLC-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLC-60-L935-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

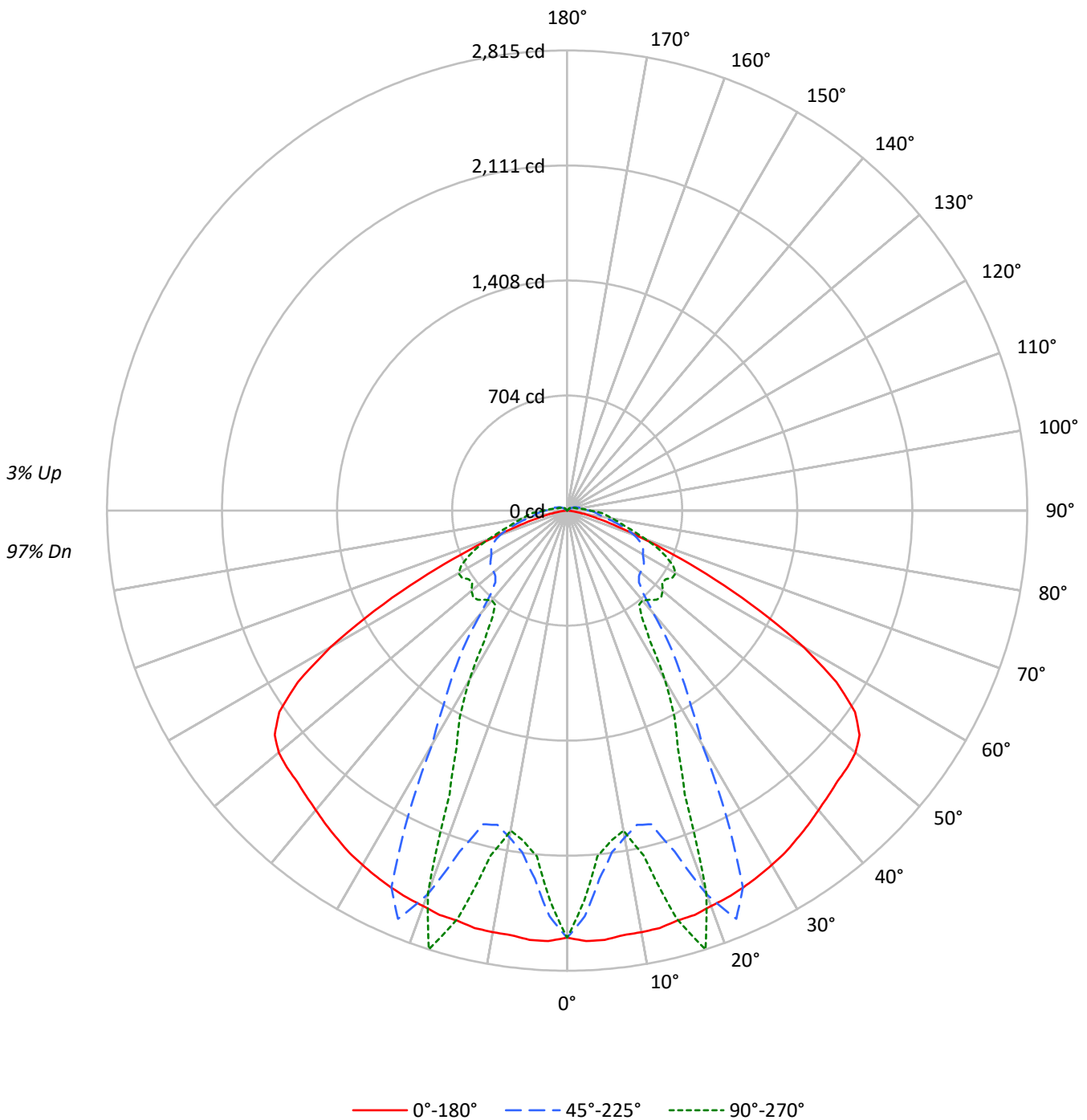
Lumens per Lamp: N/A
Luminaire Lumens: 5493.4 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 41.3831
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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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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	59
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	51
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	45
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84362	84362	84362
5°	85284	58673	50989
10°	85552	44327	38212
15°	86324	37686	41660
20°	87804	42233	34822
25°	89805	38960	19890
30°	92231	23332	13473
35°	95239	15891	8248
40°	99082	10221	6934
45°	104685	7392	7050
50°	112877	6700	6649
55°	117506	6383	6149
60°	104104	5826	6247
65°	72877	5483	5345
70°	42356	4661	4020
75°	24079	3520	2860
80°	13671	2486	2211
85°	6613	1995	1810



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.0	4.0
10°-20°	651.8	11.9
20°-30°	959.5	17.5
30°-40°	937.3	17.1
40°-50°	777.0	14.1
50°-60°	713.4	13.0
60°-70°	565.3	10.3
70°-80°	313.9	5.7
80°-90°	166.2	3.0
90°-100°	87.4	1.6
100°-110°	52.6	1.0
110°-120°	30.0	0.5
120°-130°	16.6	0.3
130°-140°	5.2	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1828.3	33.3
0°-40°	2765.6	50.3
0°-60°	4256.0	77.5
0°-90°	5301.3	96.5
90°-120°	170.1	3.1
90°-150°	192.0	3.5
90°-180°	192.0	3.5
0°-180°	5493.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2612	2612	2612	2612	2612	
5°	2636	2488	2260	2164	2124	251
15°	2597	2074	1986	2432	2582	737
25°	2545	1980	2543	1734	1600	1176
35°	2451	2363	1206	861	795	1538
45°	2340	1069	622	710	772	1815
55°	2149	476	574	687	733	1866
65°	996	309	509	646	670	1009
75°	208	188	328	350	365	247
85°	22	93	180	219	228	30
90°	1	68	132	144	143	1
95°	1	53	102	107	102	1
105°	1	36	72	62	56	1
115°	1	4	47	44	41	1
125°	1	1	22	34	34	1
135°	1	1	1	15	18	1
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2612.5	2612.5	2612.5	2612.5	2612.5
2.5°	2635.8	2588.6	2483.7	2412.5	2388.6
5°	2635.8	2488.0	2260.3	2164.0	2123.5
7.5°	2619.9	2360.3	2107.6	2065.8	2039.5
10°	2618.7	2224.1	2029.6	1994.7	1987.3
12.5°	2615.6	2148.7	1969.5	2093.4	2160.3
15°	2596.6	2073.8	1986.1	2432.1	2581.8
17.5°	2593.5	2018.0	2187.3	2751.8	2815.0
20°	2574.5	1973.8	2500.8	2711.3	2488.6
22.5°	2562.2	1943.1	2702.7	2181.2	1878.1
25°	2545.0	1979.9	2543.2	1733.9	1599.5
27.5°	2525.4	2098.4	2108.2	1509.3	1420.4
30°	2503.3	2283.6	1652.9	1319.1	1195.8
32.5°	2481.2	2419.2	1406.9	1082.9	938.1
35°	2451.2	2363.4	1205.6	861.4	795.2
37.5°	2422.9	2105.7	1022.2	743.6	724.6
40°	2391.6	1696.5	820.9	697.0	716.6
42.5°	2365.3	1344.9	689.6	692.1	740.6
45°	2340.1	1068.8	622.1	709.9	771.9
47.5°	2325.4	849.8	595.1	731.4	781.1
50°	2302.7	681.0	585.3	735.7	763.3
52.5°	2254.8	561.4	582.3	713.0	732.0
55°	2149.3	476.1	573.7	687.2	733.2
57.5°	1954.8	423.4	554.0	692.7	763.3
60°	1670.1	382.2	534.4	710.5	766.9
62.5°	1329.0	344.8	524.0	695.8	730.7
65°	996.4	309.2	509.3	646.1	670.0
67.5°	697.6	278.6	476.1	584.1	597.0
70°	474.3	249.1	435.0	505.0	510.5
72.5°	319.0	219.7	384.1	423.4	431.9
75°	208.0	188.4	327.6	349.7	365.1
77.5°	132.5	160.1	271.8	300.0	319.7
80°	82.2	132.5	228.9	269.4	281.6
82.5°	46.0	110.4	198.2	240.5	247.3
85°	22.1	92.6	180.4	219.0	228.2
87.5°	5.5	78.5	158.9	181.6	181.6
90°	0.6	67.5	131.9	144.2	143.0
92.5°	0.6	59.5	114.7	122.7	120.3
95°	1.2	53.4	102.5	106.8	101.9
97.5°	1.2	50.3	94.5	91.4	84.1
100°	1.2	46.6	85.9	77.9	69.9
102.5°	1.2	41.7	78.5	68.7	62.0
105°	1.2	35.6	71.8	62.0	55.8
107.5°	1.2	28.2	64.4	56.4	51.5
110°	1.2	20.2	57.7	52.2	48.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	12.3	52.2	48.5	45.4
115°	1.2	4.3	46.6	44.2	41.1
117.5°	1.2	1.8	41.1	42.3	38.7
120°	1.2	1.8	34.4	39.9	36.8
122.5°	1.2	1.8	28.2	37.4	35.6
125°	1.2	1.2	21.5	34.4	33.7
127.5°	1.2	1.2	14.7	30.1	31.3
130°	1.2	1.2	7.4	24.5	27.6
132.5°	1.2	1.2	1.2	20.2	22.7
135°	1.2	1.2	1.2	14.7	18.4
137.5°	1.2	1.2	1.2	7.4	13.5
140°	1.2	1.2	1.2	1.2	5.5
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)