

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: P290289

Luminaire Tested: **4SSRK-SLC-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290289
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: 4SSRK-SLC-60-L835-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6594.1 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

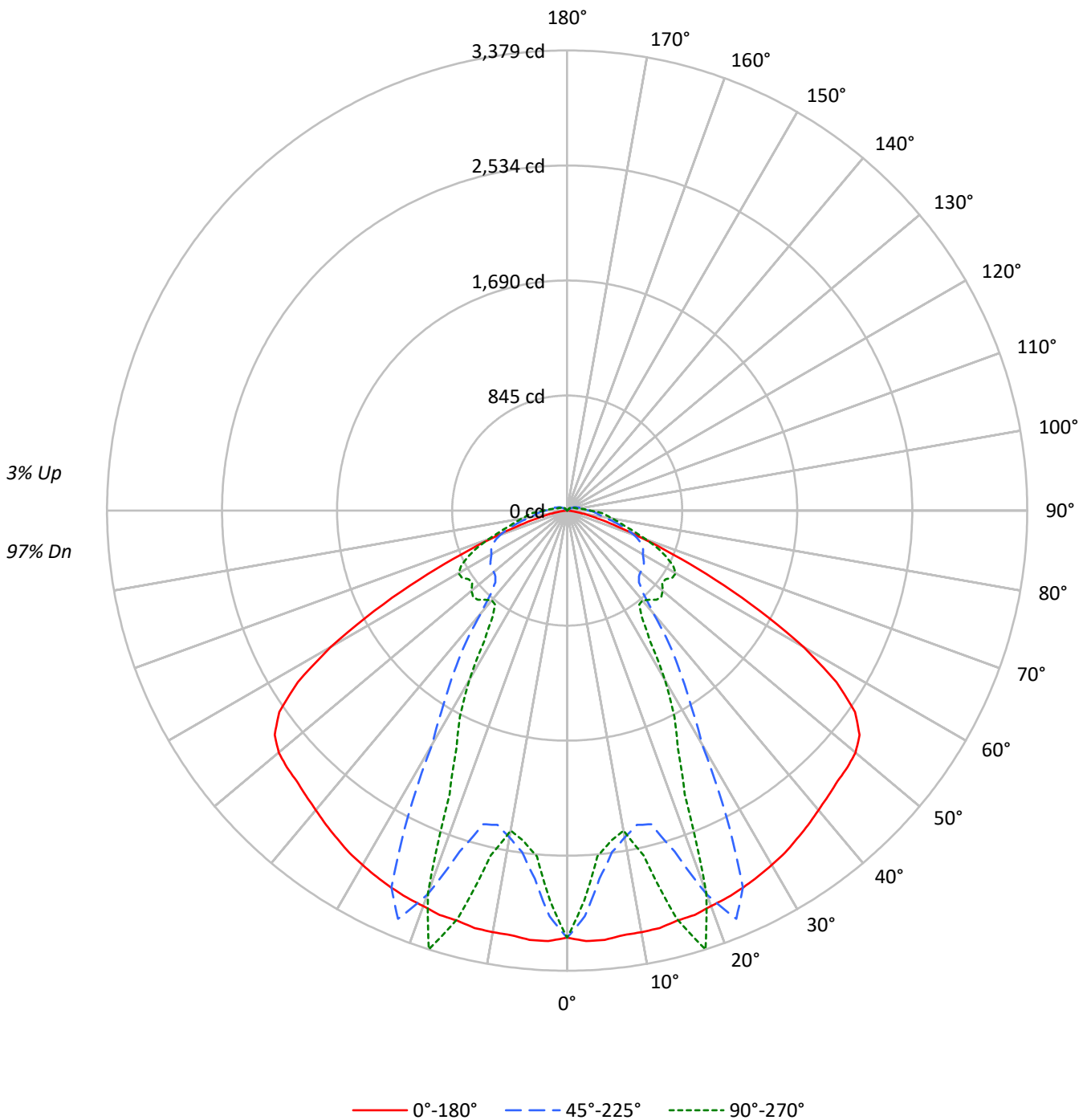
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202532	202532	202532
5°	204370	140713	122412
10°	204632	106236	91737
15°	206092	90271	100015
20°	209217	101125	83597
25°	213541	93256	47751
30°	218823	55835	32345
35°	225399	38019	19799
40°	233853	24448	16647
45°	246295	17680	16924
50°	264570	16022	15962
55°	274174	15258	14763
60°	241509	13926	14998
65°	167791	13104	12831
70°	96457	11139	9651
75°	53922	8413	6865
80°	29692	5937	5308
85°	13302	4765	4346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.5	4.0
10°-20°	782.4	11.9
20°-30°	1151.7	17.5
30°-40°	1125.1	17.1
40°-50°	932.7	14.1
50°-60°	856.3	13.0
60°-70°	678.5	10.3
70°-80°	376.8	5.7
80°-90°	199.5	3.0
90°-100°	104.9	1.6
100°-110°	63.2	1.0
110°-120°	36.1	0.5
120°-130°	19.9	0.3
130°-140°	6.3	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2194.6	33.3
0°-40°	3319.7	50.3
0°-60°	5108.7	77.5
0°-90°	6363.5	96.5
90°-120°	204.1	3.1
90°-150°	230.5	3.5
90°-180°	231.0	3.5
0°-180°	6594.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3136	3136	3136	3136	3136	
5°	3164	2986	2713	2598	2549	301
15°	3117	2489	2384	2919	3099	884
25°	3055	2377	3053	2081	1920	1412
35°	2942	2837	1447	1034	954	1846
45°	2809	1283	747	852	926	2178
55°	2580	572	689	825	880	2240
65°	1196	371	611	776	804	1211
75°	250	226	393	420	438	296
85°	26	111	216	263	274	37
90°	1	81	158	173	172	1
95°	2	64	123	128	122	1
105°	2	43	86	74	67	2
115°	2	5	56	53	49	1
125°	2	2	26	41	40	1
135°	2	2	2	18	22	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°	3136.0	3136.0	3136.0	3136.0	3136.0
2.5°	3163.9	3107.2	2981.3	2895.9	2867.1
5°	3163.9	2986.4	2713.2	2597.6	2549.0
7.5°	3144.8	2833.3	2529.8	2479.7	2448.1
10°	3143.3	2669.8	2436.3	2394.3	2385.5
12.5°	3139.6	2579.2	2364.1	2512.9	2593.2
15°	3116.8	2489.3	2384.0	2919.4	3099.1
17.5°	3113.1	2422.3	2625.6	3303.1	3379.0
20°	3090.3	2369.3	3001.9	3254.5	2987.2
22.5°	3075.6	2332.4	3244.2	2618.2	2254.4
25°	3054.9	2376.6	3052.7	2081.3	1920.0
27.5°	3031.4	2518.8	2530.6	1811.8	1705.0
30°	3004.9	2741.2	1984.1	1583.4	1435.4
32.5°	2978.3	2904.0	1688.8	1299.9	1126.1
35°	2942.3	2836.9	1447.2	1034.0	954.5
37.5°	2908.4	2527.6	1227.0	892.6	869.8
40°	2870.8	2036.4	985.4	836.6	860.2
42.5°	2839.2	1614.4	827.8	830.8	888.9
45°	2809.0	1283.0	746.8	852.1	926.5
47.5°	2791.3	1020.0	714.4	877.9	937.5
50°	2764.0	817.5	702.6	883.0	916.2
52.5°	2706.6	673.9	698.9	855.8	878.6
55°	2579.9	571.5	688.6	824.9	880.1
57.5°	2346.4	508.2	665.0	831.5	916.2
60°	2004.7	458.8	641.5	852.8	920.6
62.5°	1595.2	413.9	629.0	835.2	877.2
65°	1196.1	371.2	611.3	775.5	804.2
67.5°	837.4	334.4	571.5	701.1	716.6
70°	569.3	299.0	522.2	606.1	612.8
72.5°	383.0	263.7	461.0	508.2	518.5
75°	249.7	226.1	393.3	419.8	438.2
77.5°	159.1	192.2	326.3	360.1	383.7
80°	98.7	159.1	274.7	323.3	338.0
82.5°	55.2	132.6	237.9	288.7	296.8
85°	26.5	111.2	216.5	262.9	274.0
87.5°	6.6	94.3	190.7	218.0	218.0
90°	0.7	81.0	158.3	173.1	171.6
92.5°	0.7	71.4	137.7	147.3	144.4
95°	1.5	64.1	123.0	128.1	122.3
97.5°	1.5	60.4	113.4	109.7	100.9
100°	1.5	56.0	103.1	93.5	84.0
102.5°	1.5	50.1	94.3	82.5	74.4
105°	1.5	42.7	86.2	74.4	67.0
107.5°	1.5	33.9	77.3	67.8	61.9
110°	1.5	24.3	69.2	62.6	58.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	14.7	62.6	58.2	54.5
115°	1.5	5.2	56.0	53.0	49.3
117.5°	1.5	2.2	49.3	50.8	46.4
120°	1.5	2.2	41.2	47.9	44.2
122.5°	1.5	2.2	33.9	44.9	42.7
125°	1.5	1.5	25.8	41.2	40.5
127.5°	1.5	1.5	17.7	36.1	37.6
130°	1.5	1.5	8.8	29.5	33.1
132.5°	1.5	1.5	1.5	24.3	27.2
135°	1.5	1.5	1.5	17.7	22.1
137.5°	1.5	1.5	1.5	8.8	16.2
140°	1.5	1.5	1.5	1.5	6.6
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)