

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: P290321

Luminaire Tested: **8SSRK-SLC-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290321
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-L835-CD1-U
Description: 6000 LUMEN, 8 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: 6539.8 lumens
Efficiency: N/A
Efficacy: 158.0 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

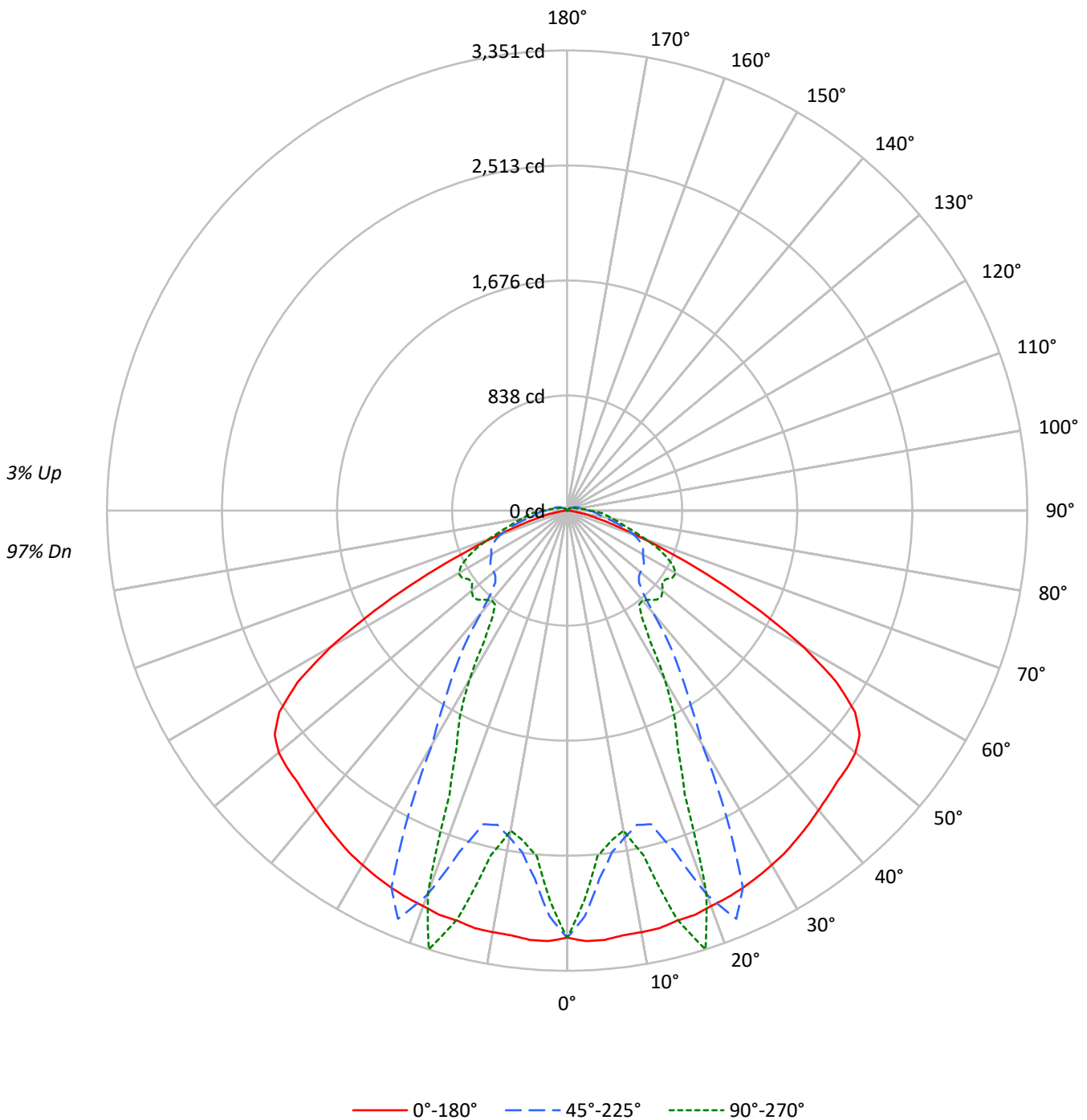
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	100430	100430	100430
5°	101529	69850	60702
10°	101844	52771	45490
15°	102764	44865	49596
20°	104529	50279	41454
25°	106912	46381	23679
30°	109798	27777	16040
35°	113376	18918	9818
40°	117958	12168	8255
45°	124623	8800	8393
50°	134377	7977	7915
55°	139889	7597	7321
60°	123932	6935	7437
65°	86759	6527	6363
70°	50420	5549	4785
75°	28663	4191	3404
80°	16282	2958	2633
85°	7870	2375	2155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.4	4.0
10°-20°	776.0	11.9
20°-30°	1142.2	17.5
30°-40°	1115.8	17.1
40°-50°	925.0	14.1
50°-60°	849.2	13.0
60°-70°	672.9	10.3
70°-80°	373.6	5.7
80°-90°	197.9	3.0
90°-100°	104.1	1.6
100°-110°	62.7	1.0
110°-120°	35.8	0.5
120°-130°	19.8	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°	2176.6	33.3
0°-40°	3292.4	50.3
0°-60°	5066.6	77.5
0°-90°	6311.1	96.5
90°-120°	202.5	3.1
90°-150°	228.7	3.5
90°-180°	229.0	3.5
0°-180°	6539.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3110	3110	3110	3110	3110	
5°	3138	2962	2691	2576	2528	298
15°	3091	2469	2364	2895	3074	877
25°	3030	2357	3028	2064	1904	1400
35°	2918	2814	1435	1026	947	1831
45°	2786	1272	741	845	919	2160
55°	2559	567	683	818	873	2222
65°	1186	368	606	769	798	1201
75°	248	224	390	416	435	293
85°	26	110	215	261	272	36
90°	1	80	157	172	170	1
95°	2	64	122	127	121	1
105°	2	42	86	74	66	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°	3110.1	3110.1	3110.1	3110.1	3110.1
2.5°	3137.9	3081.7	2956.7	2872.0	2843.5
5°	3137.9	2961.9	2690.9	2576.2	2528.0
7.5°	3118.9	2809.9	2509.0	2459.3	2427.9
10°	3117.4	2647.8	2416.2	2374.6	2365.8
12.5°	3113.8	2557.9	2344.7	2492.2	2571.8
15°	3091.1	2468.8	2364.4	2895.4	3073.6
17.5°	3087.5	2402.4	2604.0	3275.9	3351.2
20°	3064.9	2349.8	2977.2	3227.7	2962.6
22.5°	3050.2	2313.2	3217.5	2596.7	2235.8
25°	3029.8	2357.1	3027.6	2064.2	1904.2
27.5°	3006.4	2498.0	2509.7	1796.8	1690.9
30°	2980.1	2718.6	1967.8	1570.4	1423.6
32.5°	2953.8	2880.1	1674.9	1289.2	1116.8
35°	2918.0	2813.6	1435.3	1025.5	946.6
37.5°	2884.4	2506.8	1216.9	885.3	862.6
40°	2847.2	2019.6	977.3	829.8	853.1
42.5°	2815.8	1601.1	821.0	823.9	881.6
45°	2785.8	1272.4	740.6	845.1	918.9
47.5°	2768.3	1011.6	708.5	870.7	929.8
50°	2741.3	810.8	696.8	875.8	908.6
52.5°	2684.3	668.3	693.2	848.8	871.4
55°	2558.7	566.8	682.9	818.1	872.9
57.5°	2327.1	504.0	659.6	824.6	908.6
60°	1988.2	455.1	636.2	845.8	913.0
62.5°	1582.1	410.5	623.8	828.3	869.9
65°	1186.2	368.1	606.3	769.1	797.6
67.5°	830.5	331.6	566.8	695.4	710.7
70°	564.6	296.6	517.9	601.1	607.7
72.5°	379.8	261.5	457.2	504.0	514.2
75°	247.6	224.2	390.0	416.3	434.6
77.5°	157.8	190.6	323.6	357.2	380.5
80°	97.9	157.8	272.4	320.7	335.3
82.5°	54.8	131.5	235.9	286.3	294.4
85°	26.3	110.3	214.7	260.8	271.7
87.5°	6.6	93.5	189.2	216.2	216.2
90°	0.7	80.3	157.0	171.6	170.2
92.5°	0.7	70.9	136.6	146.1	143.2
95°	1.5	63.5	122.0	127.1	121.3
97.5°	1.5	59.9	112.5	108.8	100.1
100°	1.5	55.5	102.3	92.8	83.3
102.5°	1.5	49.7	93.5	81.8	73.8
105°	1.5	42.4	85.5	73.8	66.5
107.5°	1.5	33.6	76.7	67.2	61.4
110°	1.5	24.1	68.7	62.1	57.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	14.6	62.1	57.7	54.1
115°	1.5	5.1	55.5	52.6	48.9
117.5°	1.5	2.2	48.9	50.4	46.0
120°	1.5	2.2	40.9	47.5	43.8
122.5°	1.5	2.2	33.6	44.6	42.4
125°	1.5	1.5	25.6	40.9	40.2
127.5°	1.5	1.5	17.5	35.8	37.3
130°	1.5	1.5	8.8	29.2	32.9
132.5°	1.5	1.5	1.5	24.1	27.0
135°	1.5	1.5	1.5	17.5	21.9
137.5°	1.5	1.5	1.5	8.8	16.1
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)