

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: P290145

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-LN-60-L835-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 80 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6210.8 lumens  
Efficiency: N/A  
Efficacy: 150.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

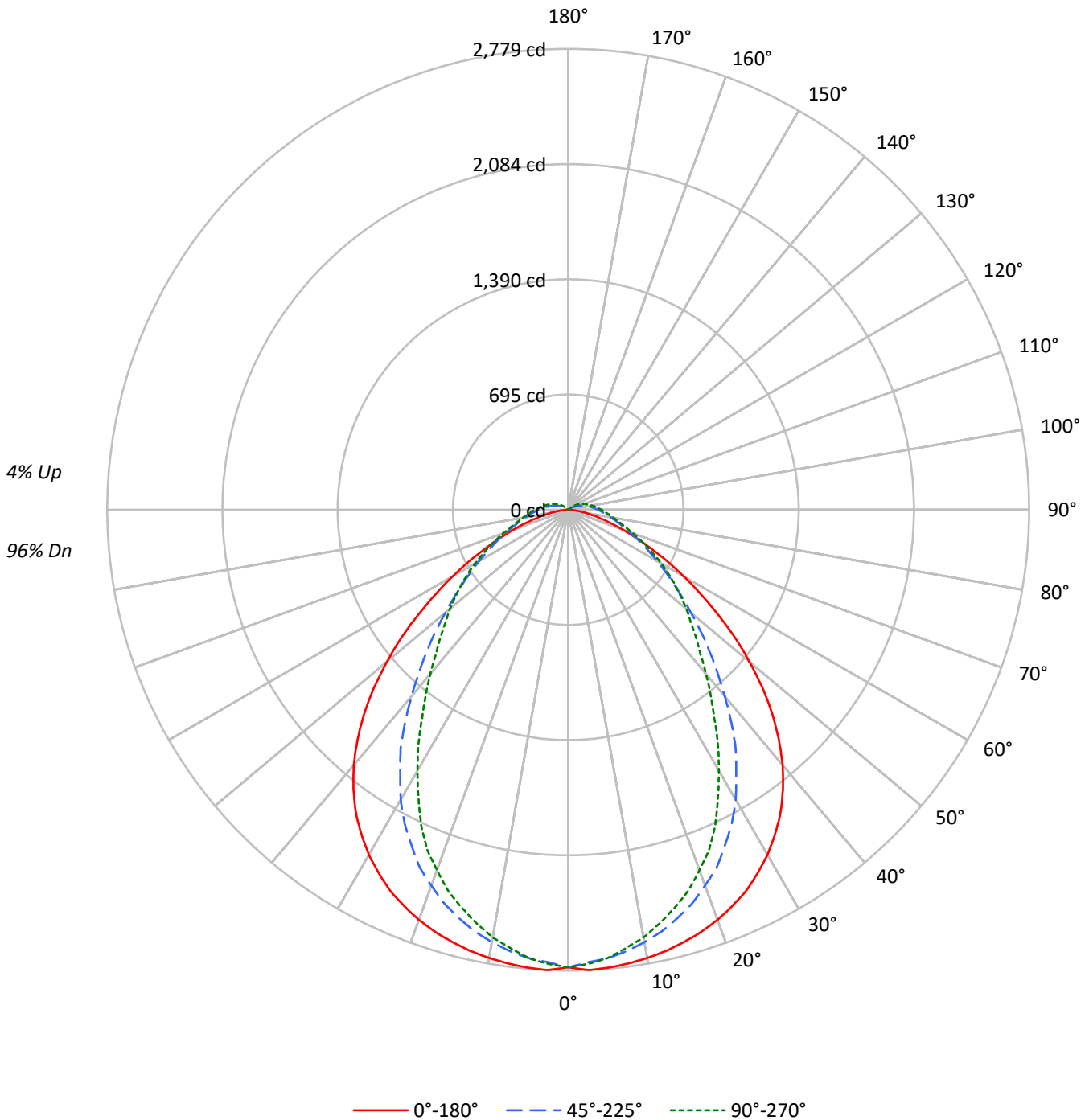
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	89086	89086	89086
5°	89690	70476	65192
10°	89675	57829	50351
15°	89725	48358	40061
20°	89755	40732	32369
25°	89516	34241	26078
30°	88539	28499	20468
35°	86698	23212	15932
40°	83310	18280	12517
45°	77835	14287	9947
50°	69819	11046	8100
55°	60183	8598	6580
60°	50129	6744	5289
65°	39964	5308	4178
70°	31175	4202	3284
75°	23338	3414	2615
80°	16880	2816	2168
85°	10504	2375	1848



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.0	4.2
10°-20°	725.3	11.7
20°-30°	1045.3	16.8
30°-40°	1132.3	18.2
40°-50°	1002.9	16.1
50°-60°	763.1	12.3
60°-70°	508.4	8.2
70°-80°	314.1	5.1
80°-90°	196.8	3.2
90°-100°	129.3	2.1
100°-110°	79.2	1.3
110°-120°	40.9	0.7
120°-130°	13.4	0.2
130°-140°	0.8	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2029.6	32.7
0°-40°	3161.9	50.9
0°-60°	4927.8	79.3
0°-90°	5947.1	95.8
90°-120°	249.5	4.0
90°-150°	263.7	4.2
90°-180°	264.0	4.3
0°-180°	6210.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2759	2759	2759	2759	2759	
5°	2772	2754	2715	2725	2715	264
15°	2699	2648	2548	2514	2483	762
25°	2537	2418	2235	2139	2097	1167
35°	2231	2022	1761	1595	1536	1391
45°	1740	1467	1202	1111	1089	1335
55°	1101	898	773	782	784	989
65°	546	479	493	522	524	552
75°	202	245	318	339	334	223
85°	35	126	215	237	233	43
90°	2	92	179	202	200	3
95°	4	65	148	172	171	2
105°	2	26	93	118	121	3
115°	2	2	48	74	80	2
125°	2	2	2	32	40	1
135°	0	0	0	0	0	0
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°	2758.8	2758.8	2758.8	2758.8	2758.8
2.5°	2779.3	2763.9	2732.5	2750.8	2742.0
5°	2772.0	2754.4	2715.0	2725.2	2715.0
7.5°	2760.3	2738.4	2685.8	2690.2	2666.1
10°	2744.9	2715.7	2647.8	2640.5	2618.6
12.5°	2725.2	2684.3	2604.7	2575.5	2554.3
15°	2698.9	2647.8	2548.5	2514.1	2482.7
17.5°	2669.0	2603.2	2487.8	2446.2	2408.9
20°	2631.7	2549.2	2411.9	2354.2	2313.3
22.5°	2586.4	2490.0	2336.6	2252.6	2219.8
25°	2536.8	2417.7	2235.1	2139.4	2097.1
27.5°	2471.8	2338.1	2135.0	2015.2	1954.6
30°	2403.1	2243.9	2018.9	1880.8	1816.6
32.5°	2320.6	2140.9	1884.5	1737.7	1680.7
35°	2231.4	2022.5	1761.1	1595.2	1536.1
37.5°	2126.3	1894.7	1614.2	1462.3	1410.5
40°	2010.9	1755.9	1468.2	1334.5	1293.6
42.5°	1879.4	1615.0	1330.8	1215.4	1180.4
45°	1739.9	1467.4	1202.3	1111.0	1089.1
47.5°	1587.9	1319.9	1081.8	1016.8	1000.7
50°	1424.3	1172.3	964.9	929.1	929.8
52.5°	1268.7	1032.8	865.6	856.1	853.9
55°	1100.8	898.4	772.8	782.3	784.5
57.5°	948.8	773.5	693.9	711.4	713.6
60°	804.2	661.8	618.7	645.7	649.3
62.5°	672.0	566.1	554.4	582.1	581.4
65°	546.4	479.2	493.0	521.5	523.7
67.5°	439.7	408.3	441.9	466.7	465.3
70°	349.1	344.8	392.2	418.5	417.1
72.5°	271.7	291.4	353.5	376.2	370.3
75°	201.6	245.4	317.7	338.9	333.8
77.5°	148.3	207.4	286.3	306.8	303.1
80°	101.5	176.0	259.3	280.5	276.1
82.5°	65.0	149.7	235.9	256.4	253.5
85°	35.1	126.4	214.7	236.7	233.0
87.5°	13.1	107.4	195.8	217.7	216.2
90°	1.5	92.0	179.0	201.6	200.1
92.5°	2.2	78.2	162.9	186.3	186.3
95°	3.7	65.0	148.3	171.6	170.9
97.5°	2.9	54.8	132.2	157.8	157.8
100°	2.9	45.3	117.6	143.2	144.6
102.5°	2.9	35.8	105.2	130.0	132.9
105°	2.2	25.6	92.8	118.3	121.3
107.5°	2.2	14.6	80.3	107.4	111.0
110°	2.2	3.7	69.4	95.7	100.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	58.4	84.7	89.1
115°	2.2	2.2	47.5	73.8	80.3
117.5°	1.5	1.5	35.1	64.3	70.1
120°	1.5	1.5	21.9	54.1	59.9
122.5°	1.5	1.5	9.5	43.1	51.1
125°	1.5	1.5	1.5	32.1	40.2
127.5°	1.5	1.5	0.7	19.0	28.5
130°	1.5	1.5	0.7	7.3	17.5
132.5°	1.5	1.5	0.7	0.7	5.1
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)