

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: P290113

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290113
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: 4SSRK-LN-60-L835-CD1-U
Description: 6000 LUMEN, 4 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: 6262.4 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

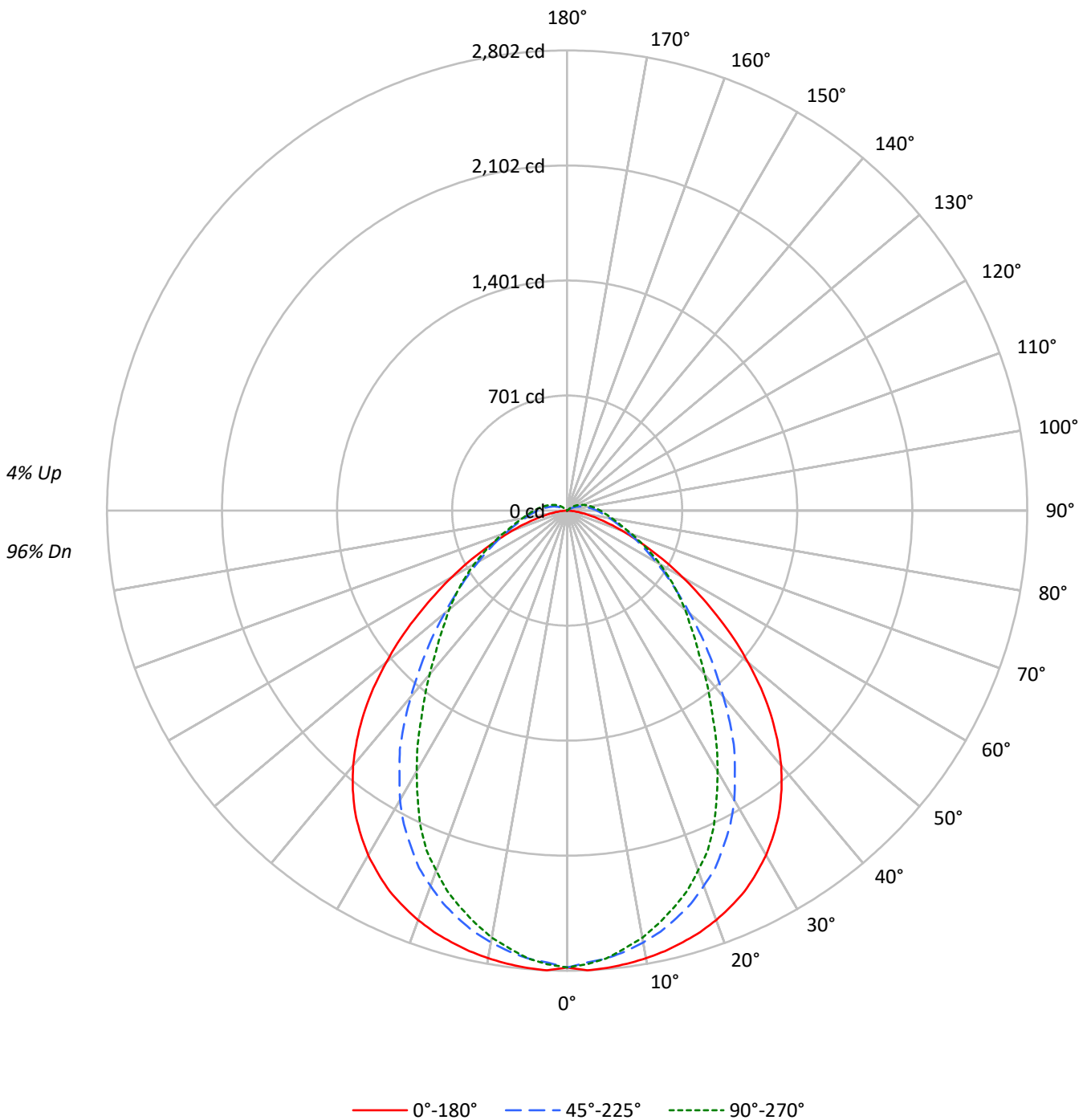
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	179650	179650	179650
5°	180541	141973	131465
10°	180180	116418	101536
15°	179940	97299	80787
20°	179652	81924	65275
25°	178793	68848	52589
30°	176448	57287	41273
35°	172364	46649	32127
40°	165166	36727	25242
45°	153818	28701	20059
50°	137473	22186	16335
55°	117952	17266	13268
60°	97690	13542	10666
65°	77281	10656	8426
70°	59640	8437	6622
75°	43902	6853	5273
80°	30805	5652	4372
85°	17769	4765	3726



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.2	4.2
10°-20°	731.3	11.7
20°-30°	1054.0	16.8
30°-40°	1141.7	18.2
40°-50°	1011.2	16.1
50°-60°	769.4	12.3
60°-70°	512.6	8.2
70°-80°	316.7	5.1
80°-90°	198.4	3.2
90°-100°	130.4	2.1
100°-110°	79.9	1.3
110°-120°	41.2	0.7
120°-130°	13.5	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°	2046.4	32.7
0°-40°	3188.1	50.9
0°-60°	4968.7	79.3
0°-90°	5996.5	95.8
90°-120°	251.5	4.0
90°-150°	265.9	4.2
90°-180°	266.0	4.2
0°-180°	6262.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2782	2782	2782	2782	2782	
5°	2795	2777	2738	2748	2738	266
15°	2721	2670	2570	2535	2503	769
25°	2558	2438	2254	2157	2114	1177
35°	2250	2039	1776	1608	1549	1402
45°	1754	1480	1212	1120	1098	1346
55°	1110	906	779	789	791	997
65°	551	483	497	526	528	556
75°	203	248	320	342	337	225
85°	35	127	216	239	235	43
90°	2	93	180	203	202	3
95°	4	66	150	173	172	2
105°	2	26	94	119	122	3
115°	2	2	48	74	81	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°	2781.7	2781.7	2781.7	2781.7	2781.7
2.5°	2802.3	2786.9	2755.2	2773.6	2764.8
5°	2795.0	2777.3	2737.5	2747.8	2737.5
7.5°	2783.2	2761.1	2708.1	2712.5	2688.2
10°	2767.7	2738.3	2669.8	2662.4	2640.3
12.5°	2747.8	2706.6	2626.3	2596.9	2575.5
15°	2721.3	2669.8	2569.6	2535.0	2503.3
17.5°	2691.1	2624.8	2508.5	2466.5	2428.9
20°	2653.6	2570.3	2431.9	2373.7	2332.5
22.5°	2607.9	2510.7	2356.0	2271.3	2238.2
25°	2557.8	2437.8	2253.7	2157.2	2114.5
27.5°	2492.3	2357.5	2152.8	2032.0	1970.8
30°	2423.0	2262.5	2035.7	1896.5	1831.6
32.5°	2339.8	2158.6	1900.1	1752.1	1694.7
35°	2250.0	2039.3	1775.7	1608.5	1548.8
37.5°	2143.9	1910.5	1627.6	1474.5	1422.2
40°	2027.6	1770.5	1480.3	1345.6	1304.3
42.5°	1895.0	1628.4	1341.9	1225.5	1190.2
45°	1754.3	1479.6	1212.3	1120.2	1098.1
47.5°	1601.1	1330.8	1090.7	1025.2	1009.0
50°	1436.2	1182.1	972.9	936.8	937.6
52.5°	1279.3	1041.4	872.7	863.2	861.0
55°	1109.9	905.9	779.2	788.8	791.0
57.5°	956.7	779.9	699.7	717.3	719.5
60°	810.9	667.3	623.8	651.1	654.7
62.5°	677.6	570.8	559.0	587.0	586.2
65°	550.9	483.1	497.1	525.9	528.1
67.5°	443.4	411.7	445.6	470.6	469.1
70°	352.0	347.6	395.5	422.0	420.5
72.5°	274.0	293.9	356.5	379.3	373.4
75°	203.3	247.5	320.4	341.7	336.6
77.5°	149.5	209.2	288.7	309.3	305.6
80°	102.4	177.5	261.5	282.8	278.4
82.5°	65.5	151.0	237.9	258.5	255.6
85°	35.4	127.4	216.5	238.6	234.9
87.5°	13.3	108.3	197.4	219.5	218.0
90°	1.5	92.8	180.4	203.3	201.8
92.5°	2.2	78.8	164.2	187.8	187.8
95°	3.7	65.5	149.5	173.1	172.3
97.5°	2.9	55.2	133.3	159.1	159.1
100°	2.9	45.7	118.6	144.4	145.8
102.5°	2.9	36.1	106.1	131.1	134.0
105°	2.2	25.8	93.5	119.3	122.3
107.5°	2.2	14.7	81.0	108.3	111.9
110°	2.2	3.7	70.0	96.5	100.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	58.9	85.4	89.9
115°	2.2	2.2	47.9	74.4	81.0
117.5°	1.5	1.5	35.4	64.8	70.7
120°	1.5	1.5	22.1	54.5	60.4
122.5°	1.5	1.5	9.6	43.5	51.6
125°	1.5	1.5	1.5	32.4	40.5
127.5°	1.5	1.5	0.7	19.1	28.7
130°	1.5	1.5	0.7	7.4	17.7
132.5°	1.5	1.5	0.7	0.7	5.2
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)