

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: P290080

Luminaire Tested: **8SSRK-RB-12-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-RB-12-L830-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11030.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

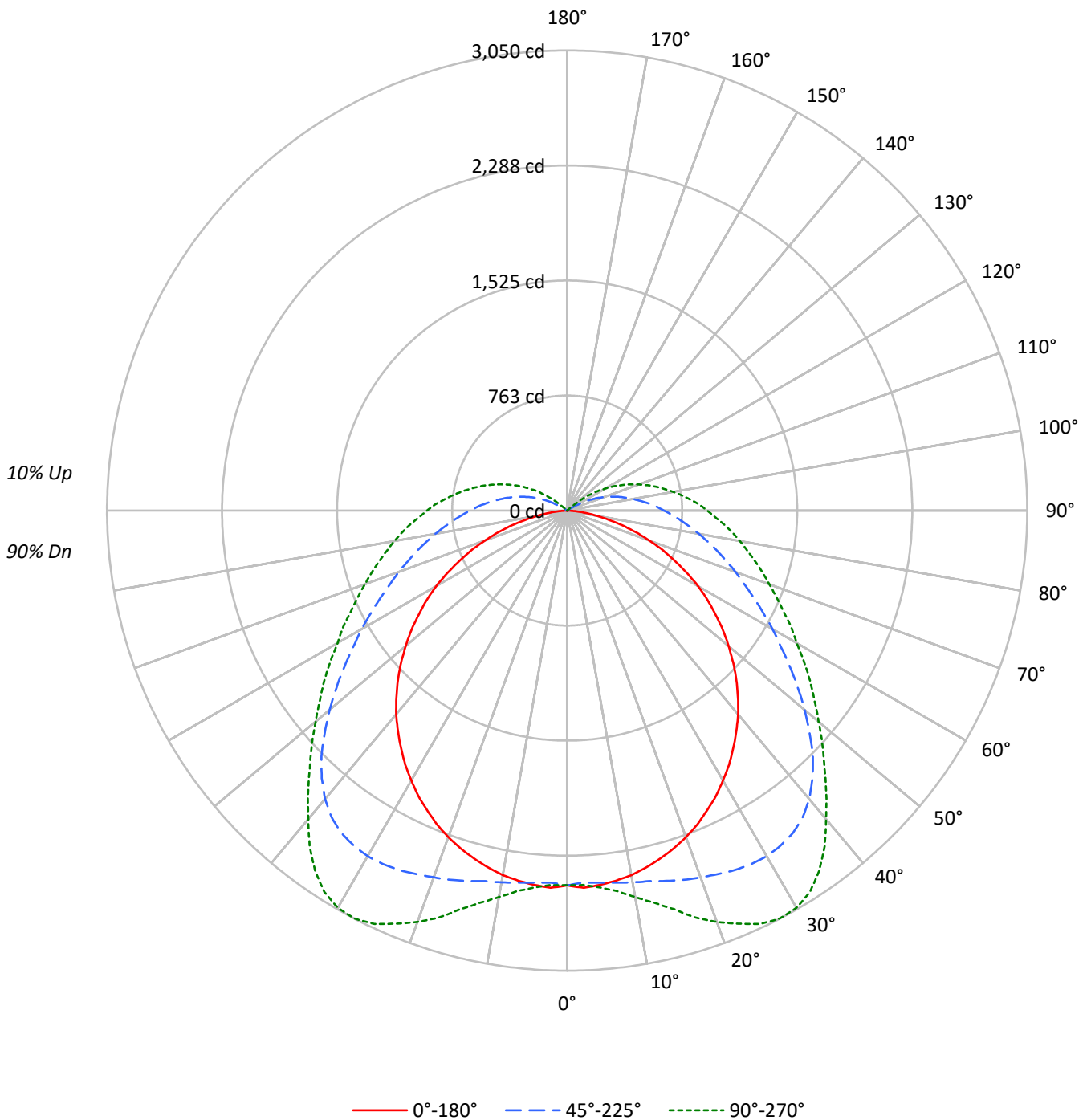
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80202	80202	80202
5°	80579	64264	60217
10°	80139	54656	50020
15°	79369	48221	44135
20°	78551	43684	40592
25°	77402	40283	37589
30°	76086	37345	34253
35°	74627	34377	30214
40°	73090	31074	25833
45°	70963	27368	22025
50°	68451	23518	18956
55°	65666	20043	16479
60°	62446	17146	14305
65°	57327	14688	12612
70°	51840	12712	11227
75°	43817	11052	10089
80°	32929	9630	9136
85°	18015	8373	8263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.8	2.2
10°-20°	726.6	6.6
20°-30°	1209.6	11.0
30°-40°	1564.4	14.2
40°-50°	1652.3	15.0
50°-60°	1523.4	13.8
60°-70°	1280.2	11.6
70°-80°	1003.1	9.1
80°-90°	737.9	6.7
90°-100°	525.9	4.8
100°-110°	337.8	3.1
110°-120°	177.3	1.6
120°-130°	51.5	0.5
130°-140°	1.2	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°	2175.0	19.7
0°-40°	3739.4	33.9
0°-60°	6915.1	62.7
0°-90°	9936.3	90.1
90°-120°	1040.9	9.4
90°-150°	1093.7	9.9
90°-180°	1094.0	9.9
0°-180°	11030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2484	2484	2484	2484	2484	
5°	2490	2489	2476	2508	2508	236
15°	2387	2434	2541	2692	2735	674
25°	2194	2317	2630	2930	3023	1011
35°	1921	2135	2608	2874	2913	1201
45°	1586	1868	2303	2402	2412	1222
55°	1201	1493	1802	1925	1965	1075
65°	784	1073	1364	1531	1581	780
75°	378	698	1028	1224	1288	402
85°	60	408	757	972	1042	79
90°	1	300	642	860	928	3
95°	4	217	540	754	821	3
105°	4	71	352	547	611	4
115°	3	4	168	340	399	3
125°	3	1	0	122	181	2
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°	2483.7	2483.7	2483.7	2483.7	2483.7
2.5°	2502.5	2491.8	2467.7	2489.1	2483.7
5°	2490.4	2489.1	2475.7	2507.8	2507.8
7.5°	2474.4	2479.7	2486.4	2539.9	2543.9
10°	2453.0	2469.0	2502.5	2584.1	2601.4
12.5°	2422.2	2451.6	2515.8	2633.5	2661.6
15°	2387.4	2434.3	2541.3	2692.4	2735.2
17.5°	2347.3	2408.8	2566.7	2764.6	2828.8
20°	2303.2	2383.4	2586.7	2830.2	2901.0
22.5°	2252.4	2352.7	2608.1	2883.7	2963.9
25°	2193.5	2316.6	2629.5	2930.5	3022.8
27.5°	2134.7	2279.1	2641.6	2959.9	3049.5
30°	2065.1	2237.6	2645.6	2963.9	3040.1
32.5°	1996.9	2192.2	2633.5	2935.8	2996.0
35°	1920.7	2134.7	2608.1	2874.3	2913.1
37.5°	1841.7	2073.1	2564.0	2779.3	2803.4
40°	1764.2	2015.6	2495.8	2659.0	2669.7
42.5°	1674.6	1942.1	2407.5	2531.9	2542.6
45°	1586.3	1868.5	2303.2	2402.2	2411.5
47.5°	1492.7	1784.2	2180.1	2272.4	2295.2
50°	1396.4	1691.9	2054.4	2152.0	2176.1
52.5°	1302.7	1597.0	1927.3	2038.4	2066.4
55°	1201.1	1492.7	1801.6	1924.7	1964.8
57.5°	1103.4	1389.7	1679.9	1816.3	1860.5
60°	1001.8	1284.0	1572.9	1716.0	1756.1
62.5°	894.8	1177.0	1463.2	1623.7	1674.6
65°	783.8	1072.7	1364.3	1531.4	1580.9
67.5°	686.1	972.4	1269.3	1445.8	1502.0
70°	580.5	876.1	1186.4	1369.6	1425.8
72.5°	477.5	786.5	1103.4	1296.0	1356.2
75°	378.5	698.2	1028.5	1223.8	1288.0
77.5°	282.2	616.6	955.0	1158.3	1222.5
80°	198.0	541.7	886.8	1095.4	1163.6
82.5°	123.1	474.8	819.9	1033.9	1103.4
85°	60.2	407.9	757.0	972.4	1041.9
87.5°	17.4	349.1	698.2	913.5	981.7
90°	1.3	299.6	642.0	860.0	928.2
92.5°	2.7	255.5	593.9	806.5	878.7
95°	4.0	216.7	540.4	754.4	821.2
97.5°	4.0	179.2	490.9	702.2	767.7
100°	4.0	143.1	442.7	647.4	714.2
102.5°	4.0	108.3	395.9	596.5	660.7
105°	4.0	70.9	351.8	547.0	611.2
107.5°	4.0	30.8	305.0	493.5	557.7
110°	4.0	6.7	259.5	444.1	506.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.0	4.0	216.7	391.9	454.8
115°	2.7	4.0	168.5	339.7	398.6
117.5°	2.7	2.7	115.0	288.9	349.1
120°	2.7	2.7	60.2	238.1	292.9
122.5°	2.7	1.3	12.0	181.9	242.1
125°	2.7	1.3	0.0	121.7	180.6
127.5°	2.7	1.3	0.0	62.9	123.1
130°	1.3	1.3	0.0	9.4	58.9
132.5°	1.3	1.3	0.0	0.0	2.7
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)