

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: P290074

Luminaire Tested: **8SSRK-RB-10-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290074
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-10-L840-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10275.6 lumens
Efficiency: N/A
Efficacy: 142.9 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

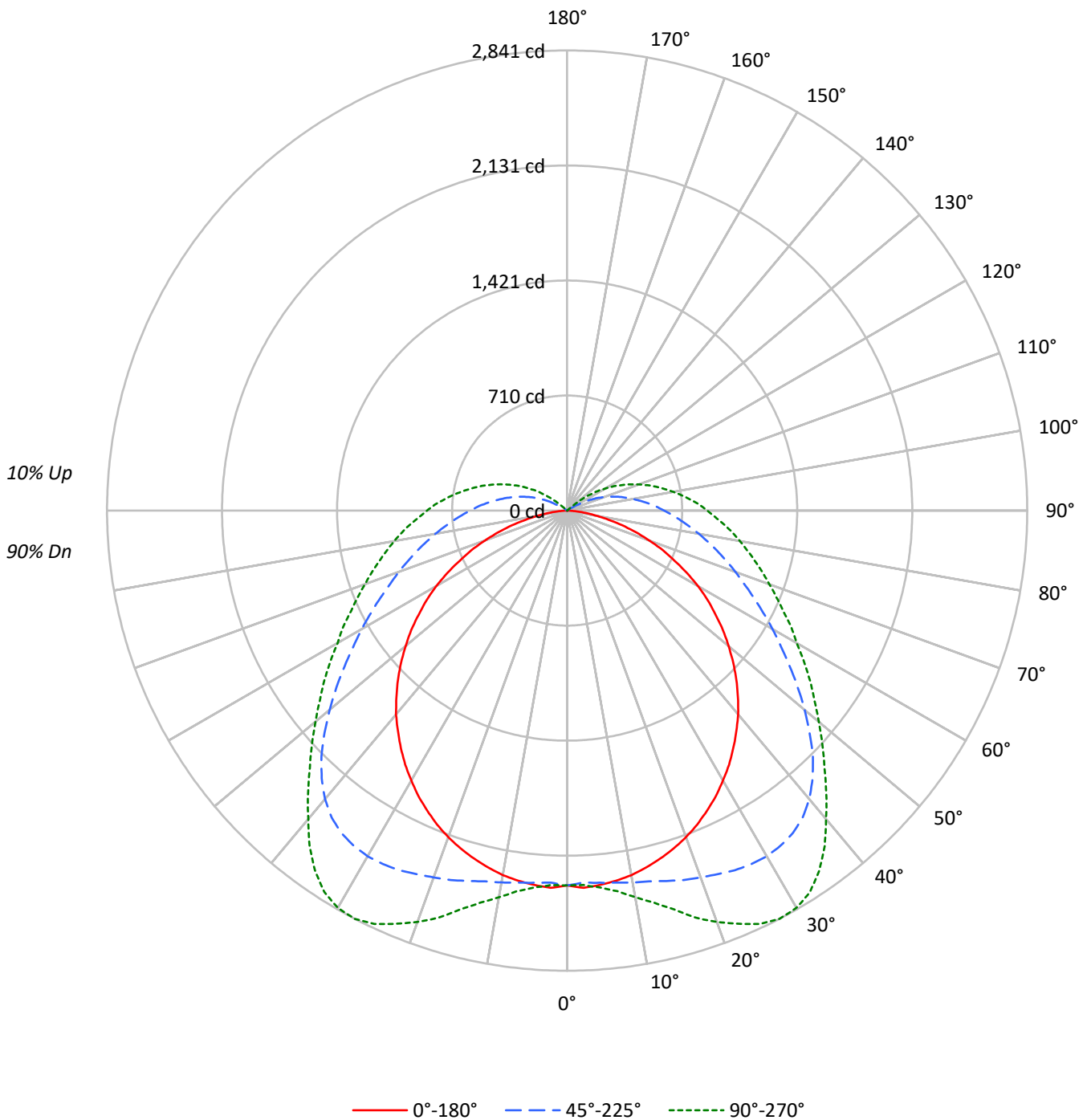
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	74719	74719	74719
5°	75069	59869	56099
10°	74657	50917	46599
15°	73944	44922	41116
20°	73180	40697	37816
25°	72109	37528	35018
30°	70884	34790	31911
35°	69521	32025	28147
40°	68089	28949	24066
45°	66109	25497	20519
50°	63765	21910	17660
55°	61172	18673	15352
60°	58176	15973	13327
65°	53407	13683	11749
70°	48295	11842	10460
75°	40818	10296	9399
80°	30667	8971	8511
85°	16788	7800	7698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.5	2.2
10°-20°	676.9	6.6
20°-30°	1126.9	11.0
30°-40°	1457.4	14.2
40°-50°	1539.3	15.0
50°-60°	1419.2	13.8
60°-70°	1192.6	11.6
70°-80°	934.5	9.1
80°-90°	687.5	6.7
90°-100°	489.9	4.8
100°-110°	314.7	3.1
110°-120°	165.2	1.6
120°-130°	48.0	0.5
130°-140°	1.1	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°	2026.3	19.7
0°-40°	3483.7	33.9
0°-60°	6442.2	62.7
0°-90°	9256.7	90.1
90°-120°	969.7	9.4
90°-150°	1018.9	9.9
90°-180°	1019.0	9.9
0°-180°	10275.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2314	2314	2314	2314	2314	
5°	2320	2319	2306	2336	2336	220
15°	2224	2268	2367	2508	2548	627
25°	2044	2158	2450	2730	2816	942
35°	1789	1989	2430	2678	2714	1119
45°	1478	1741	2146	2238	2247	1139
55°	1119	1391	1678	1793	1830	1001
65°	730	999	1271	1427	1473	727
75°	353	650	958	1140	1200	375
85°	56	380	705	906	971	74
90°	1	279	598	801	865	3
95°	4	202	503	703	765	3
105°	4	66	328	510	569	4
115°	2	4	157	316	371	3
125°	2	1	0	113	168	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°	2313.9	2313.9	2313.9	2313.9	2313.9
2.5°	2331.3	2321.3	2298.9	2318.8	2313.9
5°	2320.1	2318.8	2306.4	2336.3	2336.3
7.5°	2305.1	2310.1	2316.4	2366.2	2369.9
10°	2285.2	2300.2	2331.3	2407.3	2423.5
12.5°	2256.5	2284.0	2343.8	2453.4	2479.6
15°	2224.2	2267.8	2367.4	2508.2	2548.1
17.5°	2186.8	2244.1	2391.1	2575.5	2635.3
20°	2145.7	2220.4	2409.8	2636.6	2702.6
22.5°	2098.3	2191.8	2429.7	2686.4	2761.2
25°	2043.5	2158.1	2449.7	2730.0	2816.0
27.5°	1988.7	2123.2	2460.9	2757.4	2840.9
30°	1923.9	2084.6	2464.6	2761.2	2832.2
32.5°	1860.3	2042.2	2453.4	2735.0	2791.1
35°	1789.3	1988.7	2429.7	2677.7	2713.8
37.5°	1715.8	1931.3	2388.6	2589.2	2611.7
40°	1643.5	1877.8	2325.1	2477.1	2487.1
42.5°	1560.0	1809.2	2242.8	2358.7	2368.7
45°	1477.8	1740.7	2145.7	2237.9	2246.6
47.5°	1390.6	1662.2	2031.0	2117.0	2138.2
50°	1300.8	1576.2	1913.9	2004.9	2027.3
52.5°	1213.6	1487.8	1795.5	1898.9	1925.1
55°	1118.9	1390.6	1678.4	1793.0	1830.4
57.5°	1028.0	1294.6	1565.0	1692.1	1733.2
60°	933.3	1196.2	1465.3	1598.6	1636.0
62.5°	833.6	1096.5	1363.1	1512.7	1560.0
65°	730.2	999.3	1270.9	1426.7	1472.8
67.5°	639.2	905.9	1182.5	1347.0	1399.3
70°	540.8	816.1	1105.2	1275.9	1328.3
72.5°	444.8	732.7	1028.0	1207.4	1263.5
75°	352.6	650.4	958.2	1140.1	1199.9
77.5°	262.9	574.4	889.7	1079.1	1138.9
80°	184.4	504.6	826.1	1020.5	1084.0
82.5°	114.6	442.3	763.8	963.2	1028.0
85°	56.1	380.0	705.2	905.9	970.7
87.5°	16.2	325.2	650.4	851.0	914.6
90°	1.2	279.1	598.1	801.2	864.7
92.5°	2.5	238.0	553.2	751.4	818.6
95°	3.7	201.9	503.4	702.8	765.1
97.5°	3.7	167.0	457.3	654.2	715.2
100°	3.7	133.3	412.4	603.1	665.4
102.5°	3.7	100.9	368.8	555.7	615.5
105°	3.7	66.0	327.7	509.6	569.4
107.5°	3.7	28.7	284.1	459.8	519.6
110°	3.7	6.2	241.7	413.7	472.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	3.7	201.9	365.1	423.6
115°	2.5	3.7	157.0	316.5	371.3
117.5°	2.5	2.5	107.2	269.1	325.2
120°	2.5	2.5	56.1	221.8	272.9
122.5°	2.5	1.2	11.2	169.5	225.5
125°	2.5	1.2	0.0	113.4	168.2
127.5°	2.5	1.2	0.0	58.6	114.6
130°	1.2	1.2	0.0	8.7	54.8
132.5°	1.2	1.2	0.0	0.0	2.5
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)