

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: P290072

Luminaire Tested: **8SSRK-RB-10-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290072
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-L830-CD1-U
Description: 10000 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: 9932.9 lumens
Efficiency: N/A
Efficacy: 138.1 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

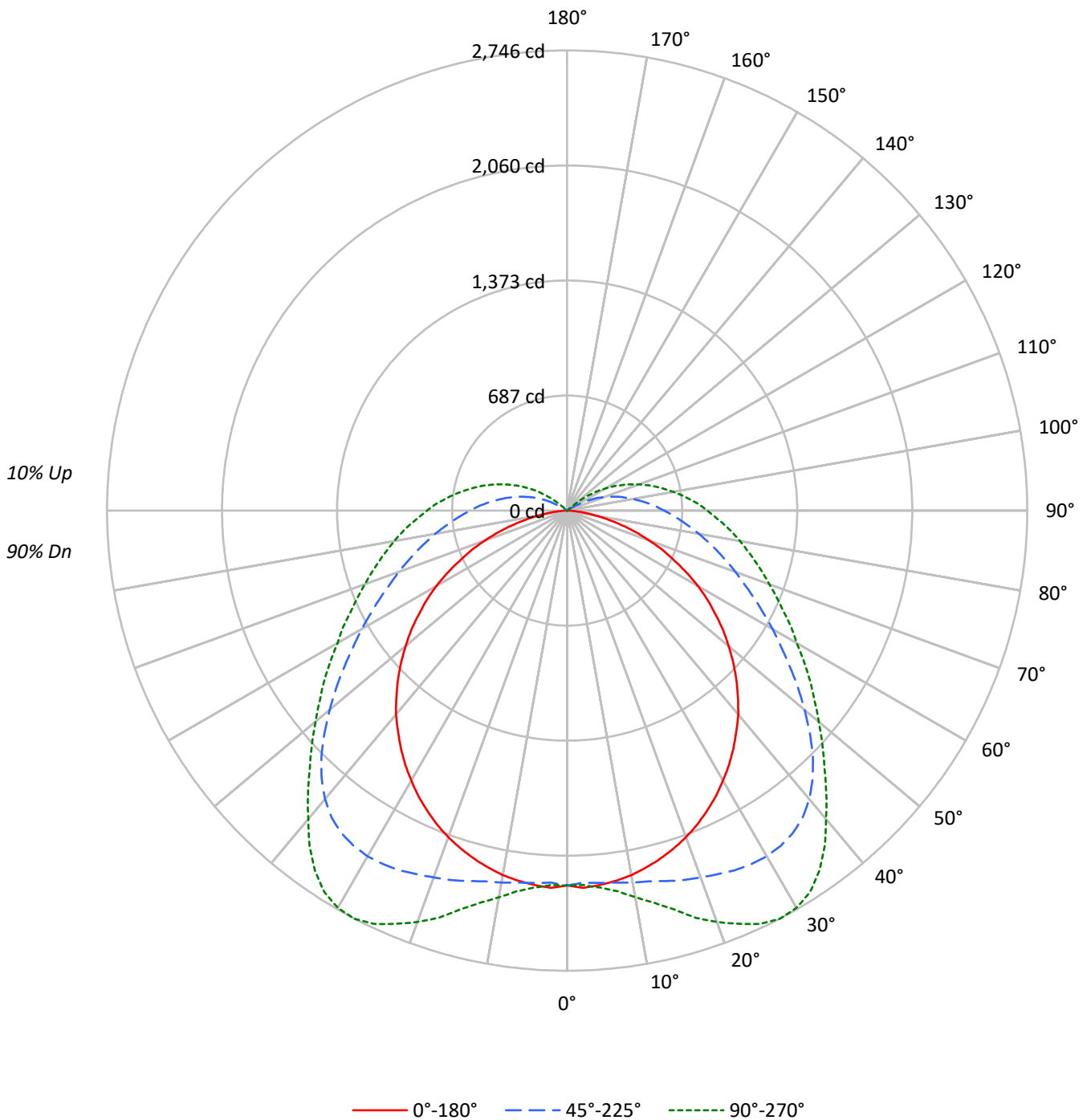
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	72226	72226	72226
5°	72564	57873	54228
10°	72167	49220	45046
15°	71477	43424	39745
20°	70738	39339	36556
25°	69702	36277	33850
30°	68518	33630	30847
35°	67202	30957	27208
40°	65819	27983	23263
45°	63904	24646	19835
50°	61642	21180	17071
55°	59133	18050	14840
60°	56231	15441	12883
65°	51623	13227	11358
70°	46678	11448	10111
75°	39464	9953	9085
80°	29653	8672	8227
85°	16219	7540	7441



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.1	2.2
10°-20°	654.3	6.6
20°-30°	1089.3	11.0
30°-40°	1408.8	14.2
40°-50°	1487.9	15.0
50°-60°	1371.9	13.8
60°-70°	1152.9	11.6
70°-80°	903.3	9.1
80°-90°	664.5	6.7
90°-100°	473.5	4.8
100°-110°	304.2	3.1
110°-120°	159.7	1.6
120°-130°	46.4	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°	1958.7	19.7
0°-40°	3367.5	33.9
0°-60°	6227.3	62.7
0°-90°	8948.0	90.1
90°-120°	937.4	9.4
90°-150°	984.9	9.9
90°-180°	985.0	9.9
0°-180°	9932.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2237	2237	2237	2237	2237	
5°	2243	2242	2230	2258	2258	213
15°	2150	2192	2288	2425	2463	607
25°	1975	2086	2368	2639	2722	910
35°	1730	1922	2349	2588	2623	1082
45°	1428	1683	2074	2163	2172	1101
55°	1082	1344	1622	1733	1769	968
65°	706	966	1229	1379	1424	703
75°	341	629	926	1102	1160	362
85°	54	367	682	876	938	71
90°	1	270	578	774	836	3
95°	4	195	487	679	740	3
105°	4	64	317	493	550	4
115°	2	4	152	306	359	3
125°	2	1	0	110	163	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°	2236.7	2236.7	2236.7	2236.7	2236.7
2.5°	2253.6	2243.9	2222.2	2241.5	2236.7
5°	2242.7	2241.5	2229.5	2258.4	2258.4
7.5°	2228.3	2233.1	2239.1	2287.3	2290.9
10°	2209.0	2223.4	2253.6	2327.0	2342.7
12.5°	2181.3	2207.8	2265.6	2371.6	2396.9
15°	2150.0	2192.1	2288.5	2424.6	2463.1
17.5°	2113.8	2169.2	2311.4	2489.6	2547.5
20°	2074.1	2146.4	2329.4	2548.7	2612.5
22.5°	2028.3	2118.7	2348.7	2596.8	2669.1
25°	1975.3	2086.1	2368.0	2639.0	2722.1
27.5°	1922.3	2052.4	2378.8	2665.5	2746.2
30°	1859.7	2015.1	2382.4	2669.1	2737.8
32.5°	1798.3	1974.1	2371.6	2643.8	2698.0
35°	1729.6	1922.3	2348.7	2588.4	2623.3
37.5°	1658.6	1866.9	2309.0	2502.9	2524.6
40°	1588.7	1815.1	2247.5	2394.5	2404.1
42.5°	1508.0	1748.9	2168.0	2280.1	2289.7
45°	1428.5	1682.6	2074.1	2163.2	2171.7
47.5°	1344.2	1606.8	1963.3	2046.4	2066.9
50°	1257.5	1523.7	1850.1	1938.0	1959.7
52.5°	1173.2	1438.1	1735.6	1835.6	1860.9
55°	1081.6	1344.2	1622.4	1733.2	1769.4
57.5°	993.7	1251.4	1512.8	1635.7	1675.4
60°	902.1	1156.3	1416.5	1545.3	1581.5
62.5°	805.8	1059.9	1317.7	1462.2	1508.0
65°	705.8	966.0	1228.6	1379.1	1423.7
67.5°	617.9	875.6	1143.0	1302.0	1352.6
70°	522.7	788.9	1068.4	1233.4	1284.0
72.5°	430.0	708.2	993.7	1167.1	1221.3
75°	340.9	628.7	926.2	1102.1	1159.9
77.5°	254.1	555.3	860.0	1043.1	1100.9
80°	178.3	487.8	798.6	986.5	1047.9
82.5°	110.8	427.6	738.3	931.1	993.7
85°	54.2	367.4	681.7	875.6	938.3
87.5°	15.7	314.4	628.7	822.7	884.1
90°	1.2	269.8	578.1	774.5	835.9
92.5°	2.4	230.1	534.8	726.3	791.3
95°	3.6	195.1	486.6	679.3	739.5
97.5°	3.6	161.4	442.0	632.3	691.4
100°	3.6	128.9	398.7	583.0	643.2
102.5°	3.6	97.6	356.5	537.2	595.0
105°	3.6	63.8	316.8	492.6	550.4
107.5°	3.6	27.7	274.6	444.4	502.3
110°	3.6	6.0	233.7	399.9	456.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	3.6	195.1	352.9	409.5
115°	2.4	3.6	151.8	305.9	358.9
117.5°	2.4	2.4	103.6	260.2	314.4
120°	2.4	2.4	54.2	214.4	263.8
122.5°	2.4	1.2	10.8	163.8	218.0
125°	2.4	1.2	0.0	109.6	162.6
127.5°	2.4	1.2	0.0	56.6	110.8
130°	1.2	1.2	0.0	8.4	53.0
132.5°	1.2	1.2	0.0	0.0	2.4
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)