

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: P290078

Luminaire Tested: **8SSRK-RB-12-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290078
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-L940-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9653.4 lumens
Efficiency: N/A
Efficacy: 119.3 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

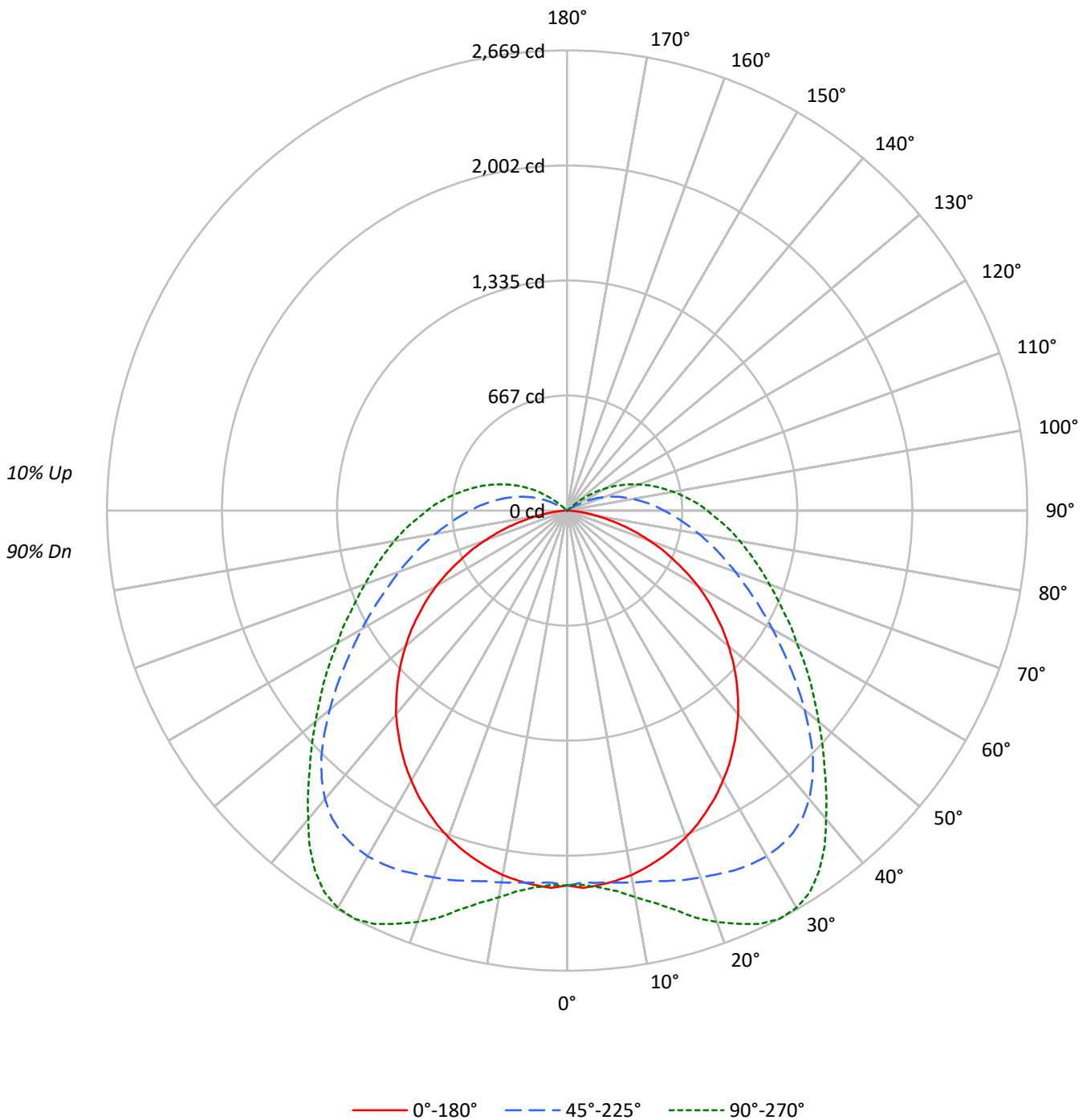
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	70192	70192	70192
5°	70523	56243	52701
10°	70135	47833	43778
15°	69465	42202	38627
20°	68746	38233	35527
25°	67740	35255	32897
30°	66592	32684	29978
35°	65309	30086	26442
40°	63967	27196	22608
45°	62106	23952	19276
50°	59907	20583	16590
55°	57471	17542	14422
60°	54654	15006	12520
65°	50174	12855	11038
70°	45366	11125	9826
75°	38353	9673	8830
80°	28805	8428	7996
85°	15770	7328	7232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	2.2
10°-20°	635.9	6.6
20°-30°	1058.6	11.0
30°-40°	1369.2	14.2
40°-50°	1446.1	15.0
50°-60°	1333.3	13.8
60°-70°	1120.4	11.6
70°-80°	877.9	9.1
80°-90°	645.8	6.7
90°-100°	460.2	4.8
100°-110°	295.6	3.1
110°-120°	155.2	1.6
120°-130°	45.1	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°	1903.5	19.7
0°-40°	3272.7	33.9
0°-60°	6052.0	62.7
0°-90°	8696.2	90.1
90°-120°	911.0	9.4
90°-150°	957.2	9.9
90°-180°	957.0	9.9
0°-180°	9653.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2174	2174	2174	2174	2174	
5°	2180	2178	2167	2195	2195	207
15°	2090	2130	2224	2356	2394	589
25°	1920	2027	2301	2565	2646	885
35°	1681	1868	2283	2516	2550	1052
45°	1388	1635	2016	2102	2110	1070
55°	1051	1306	1577	1684	1720	940
65°	686	939	1194	1340	1384	683
75°	331	611	900	1071	1127	352
85°	53	357	662	851	912	69
90°	1	262	562	753	812	3
95°	4	190	473	660	719	3
105°	4	62	308	479	535	4
115°	2	4	148	297	349	3
125°	2	1	0	106	158	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°	2173.7	2173.7	2173.7	2173.7	2173.7
2.5°	2190.1	2180.8	2159.7	2178.4	2173.7
5°	2179.6	2178.4	2166.7	2194.8	2194.8
7.5°	2165.5	2170.2	2176.1	2222.9	2226.4
10°	2146.8	2160.9	2190.1	2261.5	2276.8
12.5°	2119.9	2145.6	2201.8	2304.8	2329.4
15°	2089.5	2130.4	2224.1	2356.3	2393.8
17.5°	2054.3	2108.2	2246.3	2419.6	2475.7
20°	2015.7	2085.9	2263.9	2476.9	2539.0
22.5°	1971.2	2059.0	2282.6	2523.7	2594.0
25°	1919.7	2027.4	2301.3	2564.7	2645.5
27.5°	1868.2	1994.6	2311.9	2590.5	2668.9
30°	1807.4	1958.4	2315.4	2594.0	2660.7
32.5°	1747.7	1918.6	2304.8	2569.4	2622.1
35°	1680.9	1868.2	2282.6	2515.5	2549.5
37.5°	1611.9	1814.4	2244.0	2432.4	2453.5
40°	1544.0	1764.0	2184.3	2327.1	2336.4
42.5°	1465.5	1699.7	2107.0	2215.9	2225.2
45°	1388.3	1635.3	2015.7	2102.3	2110.5
47.5°	1306.4	1561.5	1908.0	1988.8	2008.7
50°	1222.1	1480.8	1798.0	1883.4	1904.5
52.5°	1140.1	1397.7	1686.8	1783.9	1808.5
55°	1051.2	1306.4	1576.8	1684.4	1719.6
57.5°	965.7	1216.2	1470.2	1589.6	1628.3
60°	876.8	1123.7	1376.6	1501.8	1537.0
62.5°	783.1	1030.1	1280.6	1421.1	1465.5
65°	686.0	938.8	1194.0	1340.3	1383.6
67.5°	600.5	851.0	1110.9	1265.4	1314.5
70°	508.0	766.7	1038.3	1198.7	1247.8
72.5°	417.9	688.3	965.7	1134.3	1187.0
75°	331.3	611.0	900.2	1071.1	1127.3
77.5°	247.0	539.6	835.8	1013.7	1069.9
80°	173.2	474.1	776.1	958.7	1018.4
82.5°	107.7	415.6	717.6	904.8	965.7
85°	52.7	357.0	662.5	851.0	911.9
87.5°	15.2	305.5	611.0	799.5	859.2
90°	1.2	262.2	561.9	752.7	812.4
92.5°	2.3	223.6	519.7	705.9	769.1
95°	3.5	189.6	472.9	660.2	718.7
97.5°	3.5	156.9	429.6	614.5	671.9
100°	3.5	125.3	387.5	566.6	625.1
102.5°	3.5	94.8	346.5	522.1	578.3
105°	3.5	62.0	307.9	478.8	534.9
107.5°	3.5	26.9	266.9	431.9	488.1
110°	3.5	5.9	227.1	388.6	443.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	3.5	189.6	343.0	398.0
115°	2.3	3.5	147.5	297.3	348.8
117.5°	2.3	2.3	100.7	252.8	305.5
120°	2.3	2.3	52.7	208.4	256.4
122.5°	2.3	1.2	10.5	159.2	211.9
125°	2.3	1.2	0.0	106.5	158.0
127.5°	2.3	1.2	0.0	55.0	107.7
130°	1.2	1.2	0.0	8.2	51.5
132.5°	1.2	1.2	0.0	0.0	2.3
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)