

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: P290077

Luminaire Tested: **8SSRK-RB-12-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290077
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-L935-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9425.0 lumens
Efficiency: N/A
Efficacy: 116.5 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

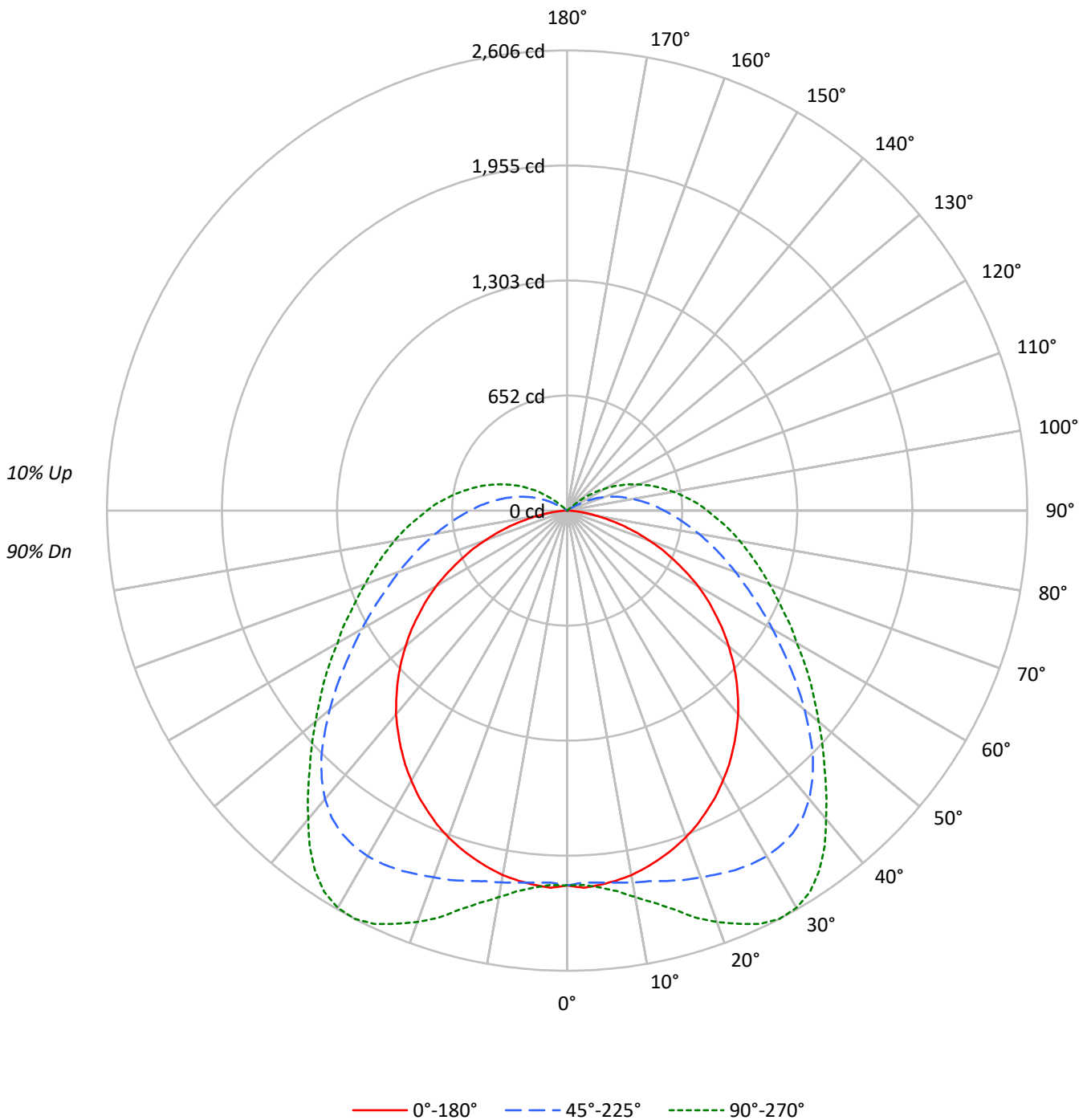
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	68532	68532	68532
5°	68853	54914	51455
10°	68476	46702	42742
15°	67820	41204	37713
20°	67119	37327	34686
25°	66138	34421	32119
30°	65015	31910	29270
35°	63767	29374	25817
40°	62455	26552	22074
45°	60638	23385	18820
50°	58490	20097	16198
55°	56110	17127	14081
60°	53358	14651	12224
65°	48982	12550	10777
70°	44294	10862	9593
75°	37438	9444	8621
80°	28123	8228	7807
85°	15381	7155	7060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.1	2.2
10°-20°	620.9	6.6
20°-30°	1033.6	11.0
30°-40°	1336.8	14.2
40°-50°	1411.9	15.0
50°-60°	1301.8	13.8
60°-70°	1093.9	11.6
70°-80°	857.1	9.1
80°-90°	630.6	6.7
90°-100°	449.3	4.8
100°-110°	288.6	3.1
110°-120°	151.5	1.6
120°-130°	44.0	0.5
130°-140°	1.0	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°	1858.5	19.7
0°-40°	3195.3	33.9
0°-60°	5908.9	62.7
0°-90°	8490.5	90.1
90°-120°	889.4	9.4
90°-150°	934.5	9.9
90°-180°	935.0	9.9
0°-180°	9425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2122	2122	2122	2122	2122	
5°	2128	2127	2116	2143	2143	202
15°	2040	2080	2172	2301	2337	576
25°	1874	1980	2247	2504	2583	864
35°	1641	1824	2229	2456	2489	1027
45°	1356	1597	1968	2053	2061	1045
55°	1026	1276	1540	1645	1679	918
65°	670	917	1166	1309	1351	667
75°	323	597	879	1046	1101	344
85°	51	349	647	831	890	68
90°	1	256	549	735	793	3
95°	3	185	462	645	702	3
105°	3	61	301	467	522	4
115°	2	3	144	290	341	3
125°	2	1	0	104	154	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°	2122.3	2122.3	2122.3	2122.3	2122.3
2.5°	2138.3	2129.2	2108.6	2126.9	2122.3
5°	2128.0	2126.9	2115.5	2142.9	2142.9
7.5°	2114.3	2118.9	2124.6	2170.3	2173.8
10°	2096.0	2109.8	2138.3	2208.1	2222.9
12.5°	2069.8	2094.9	2149.8	2250.3	2274.3
15°	2040.0	2080.0	2171.5	2300.6	2337.2
17.5°	2005.8	2058.3	2193.2	2362.3	2417.2
20°	1968.0	2036.6	2210.3	2418.3	2478.9
22.5°	1924.6	2010.3	2228.6	2464.1	2532.6
25°	1874.3	1979.5	2246.9	2504.1	2582.9
27.5°	1824.0	1947.5	2257.2	2529.2	2605.8
30°	1764.6	1912.0	2260.6	2532.6	2597.8
32.5°	1706.3	1873.2	2250.3	2508.6	2560.1
35°	1641.2	1824.0	2228.6	2456.1	2489.2
37.5°	1573.8	1771.5	2190.9	2374.9	2395.5
40°	1507.5	1722.3	2132.6	2272.1	2281.2
42.5°	1430.9	1659.5	2057.2	2163.5	2172.6
45°	1355.5	1596.6	1968.0	2052.6	2060.6
47.5°	1275.5	1524.6	1862.9	1941.8	1961.2
50°	1193.2	1445.7	1755.5	1838.9	1859.5
52.5°	1113.2	1364.6	1646.9	1741.8	1765.8
55°	1026.3	1275.5	1539.5	1644.6	1678.9
57.5°	942.9	1187.5	1435.5	1552.0	1589.8
60°	856.0	1097.2	1344.0	1466.3	1500.6
62.5°	764.6	1005.7	1250.3	1387.5	1430.9
65°	669.7	916.6	1165.7	1308.6	1350.9
67.5°	586.3	830.9	1084.6	1235.5	1283.5
70°	496.0	748.6	1013.7	1170.3	1218.3
72.5°	408.0	672.0	942.9	1107.5	1158.9
75°	323.4	596.6	878.9	1045.7	1100.6
77.5°	241.1	526.9	816.0	989.7	1044.6
80°	169.1	462.9	757.7	936.0	994.3
82.5°	105.1	405.7	700.6	883.4	942.9
85°	51.4	348.6	646.9	830.9	890.3
87.5°	14.9	298.3	596.6	780.6	838.9
90°	1.1	256.0	548.6	734.9	793.2
92.5°	2.3	218.3	507.4	689.2	750.9
95°	3.4	185.1	461.7	644.6	701.7
97.5°	3.4	153.1	419.4	600.0	656.0
100°	3.4	122.3	378.3	553.2	610.3
102.5°	3.4	92.6	338.3	509.7	564.6
105°	3.4	60.6	300.6	467.4	522.3
107.5°	3.4	26.3	260.6	421.7	476.6
110°	3.4	5.7	221.7	379.4	433.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	3.4	185.1	334.9	388.6
115°	2.3	3.4	144.0	290.3	340.6
117.5°	2.3	2.3	98.3	246.9	298.3
120°	2.3	2.3	51.4	203.4	250.3
122.5°	2.3	1.1	10.3	155.4	206.9
125°	2.3	1.1	0.0	104.0	154.3
127.5°	2.3	1.1	0.0	53.7	105.1
130°	1.1	1.1	0.0	8.0	50.3
132.5°	1.1	1.1	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)