

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: P290079

Luminaire Tested: **8SSRK-RB-12-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290079  
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-L950-CD1-U  
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

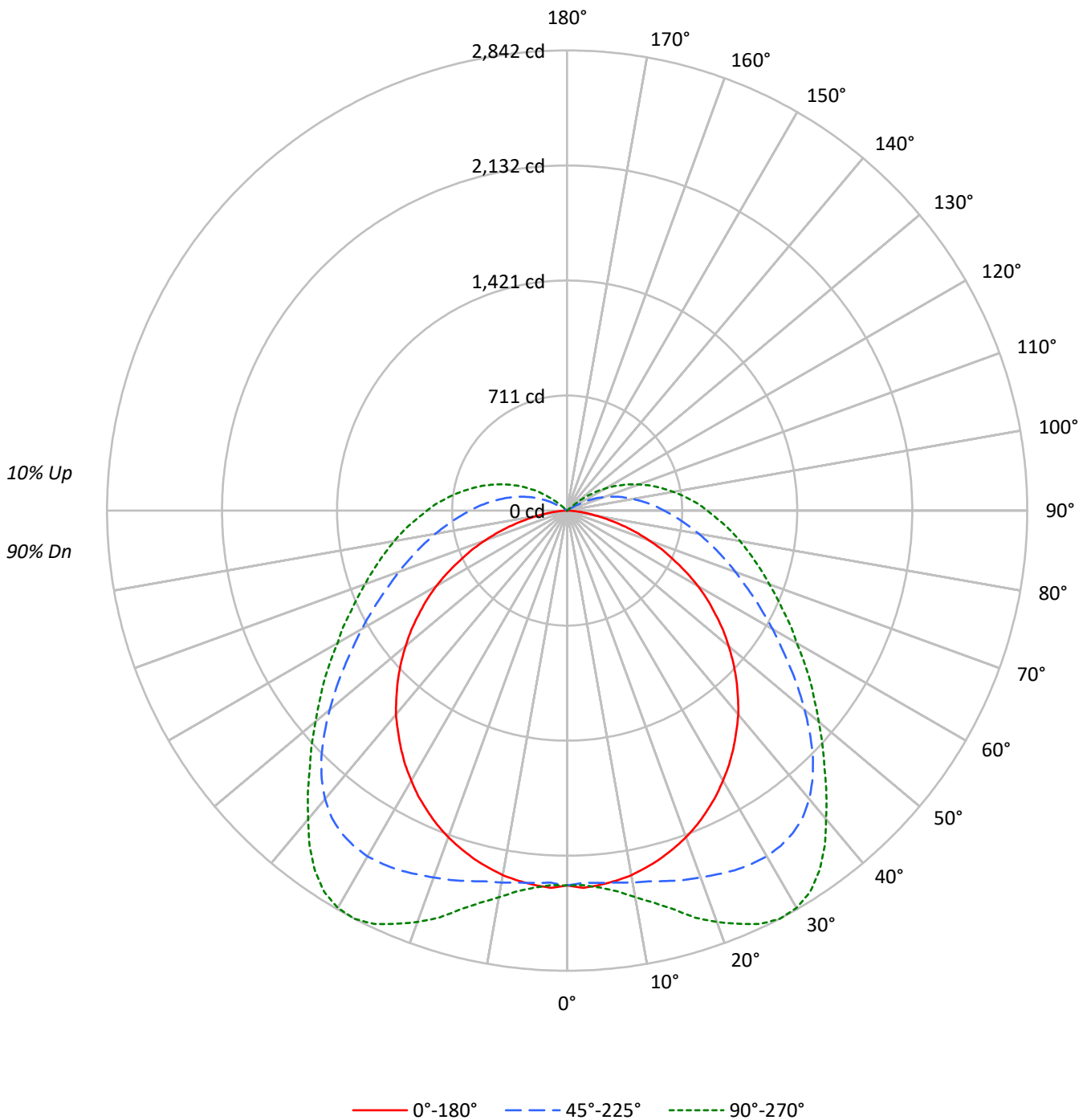
Lumens per Lamp: N/A  
Luminaire Lumens: 10280.9 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 80.8951  
Input Voltage (V): NR  
Input 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°	74758	74758	74758
5°	75108	59901	56128
10°	74696	50943	46624
15°	73980	44946	41137
20°	73217	40718	37836
25°	72144	37547	35036
30°	70921	34808	31927
35°	69556	32042	28161
40°	68126	28964	24077
45°	66141	25510	20529
50°	63799	21921	17669
55°	61205	18683	15360
60°	58207	15982	13334
65°	53429	13690	11756
70°	48322	11849	10464
75°	40842	10302	9404
80°	30684	8975	8516
85°	16788	7804	7702



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.6	2.2
10°-20°	677.3	6.6
20°-30°	1127.5	11.0
30°-40°	1458.2	14.2
40°-50°	1540.1	15.0
50°-60°	1420.0	13.8
60°-70°	1193.3	11.6
70°-80°	934.9	9.1
80°-90°	687.8	6.7
90°-100°	490.1	4.8
100°-110°	314.9	3.1
110°-120°	165.3	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°	2027.3	19.7
0°-40°	3485.5	33.9
0°-60°	6445.5	62.7
0°-90°	9261.5	90.1
90°-120°	970.2	9.4
90°-150°	1019.4	9.9
90°-180°	1019.0	9.9
0°-180°	10280.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2315	2315	2315	2315	2315	
5°	2321	2320	2308	2338	2338	220
15°	2225	2269	2369	2510	2549	628
25°	2044	2159	2451	2731	2818	942
35°	1790	1990	2431	2679	2715	1120
45°	1478	1742	2147	2239	2248	1139
55°	1120	1391	1679	1794	1831	1002
65°	730	1000	1272	1427	1474	727
75°	353	651	959	1141	1200	375
85°	56	380	706	906	971	74
90°	1	279	598	802	865	3
95°	4	202	504	703	766	3
105°	4	66	328	510	570	4
115°	2	4	157	317	372	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°	2315.1	2315.1	2315.1	2315.1	2315.1
2.5°	2332.5	2322.5	2300.1	2320.0	2315.1
5°	2321.3	2320.0	2307.6	2337.5	2337.5
7.5°	2306.3	2311.3	2317.6	2367.4	2371.2
10°	2286.4	2301.3	2332.5	2408.6	2424.8
12.5°	2257.7	2285.1	2345.0	2454.7	2480.9
15°	2225.3	2268.9	2368.7	2509.5	2549.4
17.5°	2187.9	2245.2	2392.4	2576.9	2636.7
20°	2146.8	2221.6	2411.1	2637.9	2704.0
22.5°	2099.4	2192.9	2431.0	2687.8	2762.6
25°	2044.5	2159.2	2450.9	2731.4	2817.5
27.5°	1989.7	2124.3	2462.2	2758.9	2842.4
30°	1924.9	2085.7	2465.9	2762.6	2833.7
32.5°	1861.3	2043.3	2454.7	2736.4	2792.5
35°	1790.2	1989.7	2431.0	2679.1	2715.2
37.5°	1716.7	1932.3	2389.9	2590.6	2613.0
40°	1644.4	1878.7	2326.3	2478.4	2488.3
42.5°	1560.8	1810.2	2244.0	2359.9	2369.9
45°	1478.5	1741.6	2146.8	2239.0	2247.7
47.5°	1391.3	1663.1	2032.1	2118.1	2139.3
50°	1301.5	1577.0	1914.9	2005.9	2028.3
52.5°	1214.3	1488.5	1796.4	1899.9	1926.1
55°	1119.5	1391.3	1679.3	1794.0	1831.4
57.5°	1028.5	1295.3	1565.8	1693.0	1734.1
60°	933.8	1196.8	1466.1	1599.5	1636.9
62.5°	834.0	1097.1	1363.9	1513.5	1560.8
65°	730.5	999.8	1271.6	1427.4	1473.6
67.5°	639.5	906.3	1183.1	1347.6	1400.0
70°	541.1	816.6	1105.8	1276.6	1328.9
72.5°	445.1	733.0	1028.5	1208.0	1264.1
75°	352.8	650.8	958.7	1140.7	1200.5
77.5°	263.0	574.7	890.1	1079.6	1139.5
80°	184.5	504.9	826.5	1021.0	1084.6
82.5°	114.7	442.6	764.2	963.7	1028.5
85°	56.1	380.2	705.6	906.3	971.2
87.5°	16.2	325.4	650.8	851.5	915.1
90°	1.2	279.3	598.4	801.6	865.2
92.5°	2.5	238.1	553.5	751.7	819.1
95°	3.7	202.0	503.7	703.1	765.5
97.5°	3.7	167.1	457.5	654.5	715.6
100°	3.7	133.4	412.6	603.4	665.7
102.5°	3.7	101.0	369.0	556.0	615.9
105°	3.7	66.1	327.9	509.9	569.7
107.5°	3.7	28.7	284.2	460.0	519.9
110°	3.7	6.2	241.9	413.9	472.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	3.7	202.0	365.3	423.9
115°	2.5	3.7	157.1	316.7	371.5
117.5°	2.5	2.5	107.2	269.3	325.4
120°	2.5	2.5	56.1	221.9	273.0
122.5°	2.5	1.2	11.2	169.5	225.6
125°	2.5	1.2	0.0	113.4	168.3
127.5°	2.5	1.2	0.0	58.6	114.7
130°	1.2	1.2	0.0	8.7	54.9
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)