

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: P290071

Luminaire Tested: **8SSRK-RB-10-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290071
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-L950-CD1-U
Description: 10000 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: 9258.3 lumens
Efficiency: N/A
Efficacy: 128.7 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

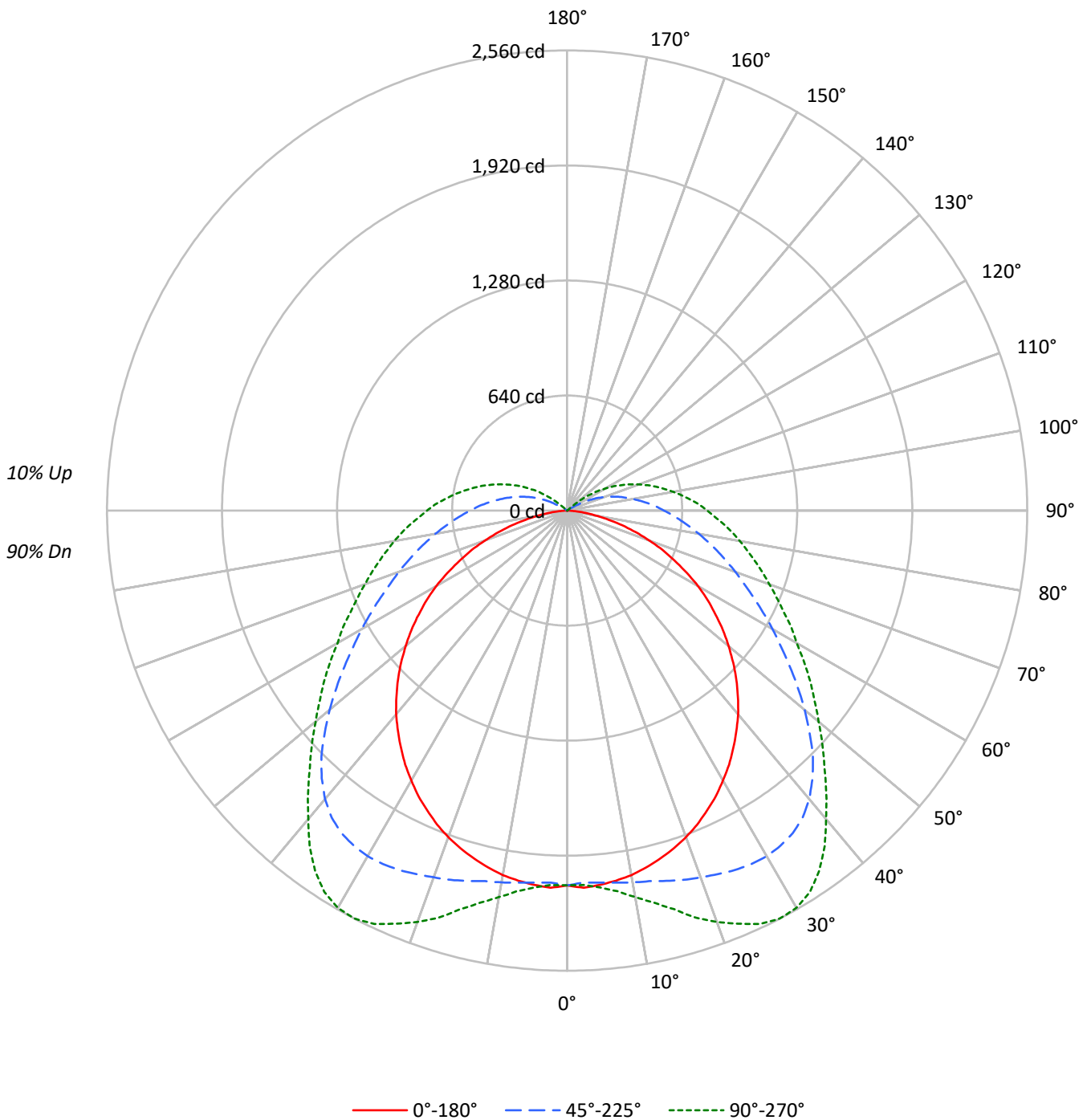
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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°	67321	67321	67321
5°	67637	53943	50545
10°	67267	45876	41986
15°	66623	40476	37047
20°	65932	36667	34073
25°	64970	33813	31551
30°	63865	31346	28751
35°	62636	28855	25361
40°	61349	26083	21683
45°	59565	22972	18488
50°	57456	19741	15912
55°	55120	16824	13832
60°	52416	14393	12008
65°	48119	12328	10586
70°	43508	10670	9424
75°	36778	9277	8468
80°	27641	8083	7668
85°	15112	7028	6936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	2.2
10°-20°	609.9	6.6
20°-30°	1015.3	11.0
30°-40°	1313.1	14.2
40°-50°	1386.9	15.0
50°-60°	1278.7	13.8
60°-70°	1074.6	11.6
70°-80°	841.9	9.1
80°-90°	619.4	6.7
90°-100°	441.4	4.8
100°-110°	283.5	3.1
110°-120°	148.8	1.6
120°-130°	43.3	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°	1825.7	19.7
0°-40°	3138.8	33.9
0°-60°	5804.4	62.7
0°-90°	8340.3	90.1
90°-120°	873.7	9.4
90°-150°	918.0	9.9
90°-180°	918.0	9.9
0°-180°	9258.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2085	2085	2085	2085	2085	
5°	2090	2089	2078	2105	2105	199
15°	2004	2043	2133	2260	2296	565
25°	1841	1944	2207	2460	2537	849
35°	1612	1792	2189	2413	2445	1008
45°	1332	1568	1933	2016	2024	1026
55°	1008	1253	1512	1616	1649	902
65°	658	900	1145	1286	1327	655
75°	318	586	863	1027	1081	338
85°	50	342	635	816	875	66
90°	1	252	539	722	779	3
95°	3	182	454	633	689	3
105°	3	60	295	459	513	4
115°	2	3	142	285	335	3
125°	2	1	0	102	152	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°	2084.8	2084.8	2084.8	2084.8	2084.8
2.5°	2100.5	2091.5	2071.3	2089.3	2084.8
5°	2090.4	2089.3	2078.1	2105.0	2105.0
7.5°	2076.9	2081.4	2087.0	2131.9	2135.3
10°	2059.0	2072.4	2100.5	2169.0	2183.6
12.5°	2033.1	2057.8	2111.7	2210.5	2234.1
15°	2004.0	2043.3	2133.1	2259.9	2295.9
17.5°	1970.3	2021.9	2154.4	2320.6	2374.4
20°	1933.2	2000.6	2171.2	2375.6	2435.1
22.5°	1890.6	1974.8	2189.2	2420.5	2487.8
25°	1841.2	1944.5	2207.2	2459.8	2537.2
27.5°	1791.8	1913.0	2217.3	2484.5	2559.7
30°	1733.4	1878.2	2220.6	2487.8	2551.8
32.5°	1676.1	1840.1	2210.5	2464.3	2514.8
35°	1612.1	1791.8	2189.2	2412.6	2445.2
37.5°	1545.9	1740.1	2152.2	2332.9	2353.1
40°	1480.8	1691.9	2094.9	2231.9	2240.8
42.5°	1405.6	1630.1	2020.8	2125.2	2134.2
45°	1331.5	1568.4	1933.2	2016.3	2024.2
47.5°	1252.9	1497.6	1829.9	1907.4	1926.5
50°	1172.1	1420.2	1724.4	1806.4	1826.6
52.5°	1093.5	1340.5	1617.8	1710.9	1734.5
55°	1008.2	1252.9	1512.2	1615.5	1649.2
57.5°	926.2	1166.5	1410.1	1524.6	1561.6
60°	840.9	1077.8	1320.3	1440.4	1474.1
62.5°	751.1	987.9	1228.2	1362.9	1405.6
65°	657.9	900.4	1145.1	1285.5	1327.0
67.5°	575.9	816.2	1065.4	1213.6	1260.8
70°	487.2	735.3	995.8	1149.6	1196.8
72.5°	400.8	660.1	926.2	1087.9	1138.4
75°	317.7	586.0	863.3	1027.2	1081.1
77.5°	236.9	517.5	801.6	972.2	1026.1
80°	166.2	454.7	744.3	919.5	976.7
82.5°	103.3	398.5	688.2	867.8	926.2
85°	50.5	342.4	635.4	816.2	874.6
87.5°	14.6	293.0	586.0	766.8	824.0
90°	1.1	251.5	538.9	721.9	779.1
92.5°	2.2	214.4	498.5	677.0	737.6
95°	3.4	181.9	453.6	633.2	689.3
97.5°	3.4	150.4	412.0	589.4	644.4
100°	3.4	120.1	371.6	543.4	599.5
102.5°	3.4	90.9	332.3	500.7	554.6
105°	3.4	59.5	295.3	459.2	513.1
107.5°	3.4	25.8	256.0	414.3	468.2
110°	3.4	5.6	217.8	372.7	425.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	3.4	181.9	328.9	381.7
115°	2.2	3.4	141.5	285.2	334.6
117.5°	2.2	2.2	96.5	242.5	293.0
120°	2.2	2.2	50.5	199.8	245.9
122.5°	2.2	1.1	10.1	152.7	203.2
125°	2.2	1.1	0.0	102.2	151.6
127.5°	2.2	1.1	0.0	52.8	103.3
130°	1.1	1.1	0.0	7.9	49.4
132.5°	1.1	1.1	0.0	0.0	2.2
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)