

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: P290068

Luminaire Tested: **8SSRK-RB-10-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290068
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-L930-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7996.0 lumens
Efficiency: N/A
Efficacy: 111.2 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

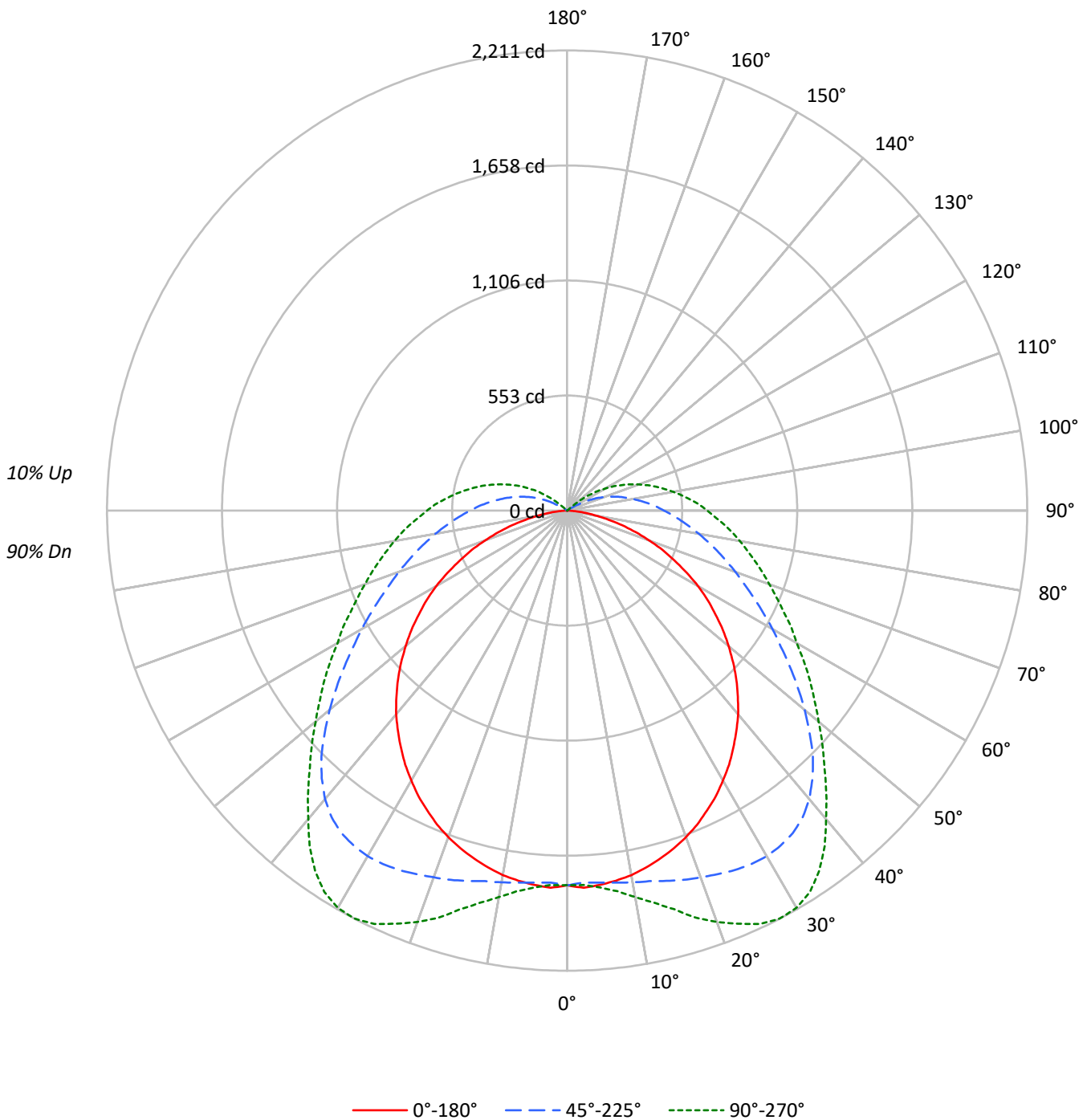
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	58141	58141	58141
5°	58415	46587	43654
10°	58093	39621	36262
15°	57537	34956	31995
20°	56942	31668	29428
25°	56110	29202	27249
30°	55159	27073	24831
35°	54096	24921	21903
40°	52984	22527	18727
45°	51441	19839	15967
50°	49623	17049	13742
55°	47603	14530	11946
60°	45267	12429	10371
65°	41558	10648	9143
70°	37578	9215	8139
75°	31766	8012	7314
80°	23865	6980	6623
85°	13047	6070	5990



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.1	2.2
10°-20°	526.7	6.6
20°-30°	876.9	11.0
30°-40°	1134.1	14.2
40°-50°	1197.8	15.0
50°-60°	1104.4	13.8
60°-70°	928.1	11.6
70°-80°	727.2	9.1
80°-90°	534.9	6.7
90°-100°	381.2	4.8
100°-110°	244.9	3.1
110°-120°	128.5	1.6
120°-130°	37.4	0.5
130°-140°	0.9	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°	1576.7	19.7
0°-40°	2710.8	33.9
0°-60°	5013.0	62.7
0°-90°	7203.1	90.1
90°-120°	754.6	9.4
90°-150°	792.8	9.9
90°-180°	793.0	9.9
0°-180°	7996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1800	1800	1800	1800	1800	
5°	1805	1804	1795	1818	1818	171
15°	1731	1765	1842	1952	1983	488
25°	1590	1679	1906	2124	2191	733
35°	1392	1548	1891	2084	2112	871
45°	1150	1354	1670	1741	1748	886
55°	871	1082	1306	1395	1424	779
65°	568	778	989	1110	1146	566
75°	274	506	746	887	934	292
85°	44	296	549	705	755	57
90°	1	217	465	624	673	2
95°	3	157	392	547	595	2
105°	3	51	255	397	443	3
115°	2	3	122	246	289	2
125°	2	1	0	88	131	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°	1800.5	1800.5	1800.5	1800.5	1800.5
2.5°	1814.1	1806.4	1788.9	1804.4	1800.5
5°	1805.4	1804.4	1794.7	1818.0	1818.0
7.5°	1793.8	1797.6	1802.5	1841.3	1844.2
10°	1778.2	1789.9	1814.1	1873.3	1885.9
12.5°	1755.9	1777.3	1823.8	1909.1	1929.5
15°	1730.7	1764.7	1842.2	1951.8	1982.8
17.5°	1701.6	1746.2	1860.7	2004.2	2050.7
20°	1669.6	1727.8	1875.2	2051.7	2103.1
22.5°	1632.8	1705.5	1890.7	2090.5	2148.6
25°	1590.1	1679.3	1906.2	2124.4	2191.3
27.5°	1547.5	1652.2	1915.0	2145.7	2210.7
30°	1497.1	1622.1	1917.9	2148.6	2203.9
32.5°	1447.6	1589.2	1909.1	2128.3	2171.9
35°	1392.3	1547.5	1890.7	2083.7	2111.8
37.5°	1335.1	1502.9	1858.7	2014.8	2032.3
40°	1278.9	1461.2	1809.3	1927.6	1935.3
42.5°	1213.9	1407.9	1745.3	1835.4	1843.2
45°	1149.9	1354.5	1669.6	1741.4	1748.2
47.5°	1082.1	1293.4	1580.4	1647.3	1663.8
50°	1012.3	1226.5	1489.3	1560.1	1577.5
52.5°	944.4	1157.7	1397.2	1477.7	1498.0
55°	870.7	1082.1	1306.0	1395.3	1424.3
57.5°	799.9	1007.4	1217.8	1316.7	1348.7
60°	726.2	930.8	1140.2	1244.0	1273.1
62.5°	648.7	853.2	1060.7	1177.1	1213.9
65°	568.2	777.6	989.0	1110.2	1146.1
67.5°	497.4	704.9	920.1	1048.1	1088.9
70°	420.8	635.1	860.0	992.9	1033.6
72.5°	346.1	570.1	799.9	939.5	983.2
75°	274.4	506.1	745.6	887.2	933.7
77.5°	204.6	447.0	692.3	839.7	886.2
80°	143.5	392.7	642.8	794.1	843.5
82.5°	89.2	344.2	594.4	749.5	799.9
85°	43.6	295.7	548.8	704.9	755.3
87.5°	12.6	253.1	506.1	662.2	711.7
90°	1.0	217.2	465.4	623.5	672.9
92.5°	1.9	185.2	430.5	584.7	637.0
95°	2.9	157.1	391.7	546.9	595.3
97.5°	2.9	129.9	355.8	509.0	556.5
100°	2.9	103.7	320.9	469.3	517.8
102.5°	2.9	78.5	287.0	432.4	479.0
105°	2.9	51.4	255.0	396.6	443.1
107.5°	2.9	22.3	221.1	357.8	404.3
110°	2.9	4.8	188.1	321.9	367.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	2.9	157.1	284.1	329.7
115°	1.9	2.9	122.2	246.3	288.9
117.5°	1.9	1.9	83.4	209.4	253.1
120°	1.9	1.9	43.6	172.6	212.3
122.5°	1.9	1.0	8.7	131.9	175.5
125°	1.9	1.0	0.0	88.2	130.9
127.5°	1.9	1.0	0.0	45.6	89.2
130°	1.0	1.0	0.0	6.8	42.7
132.5°	1.0	1.0	0.0	0.0	1.9
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)