

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: P289983

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LW-10-L950-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8492.7 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

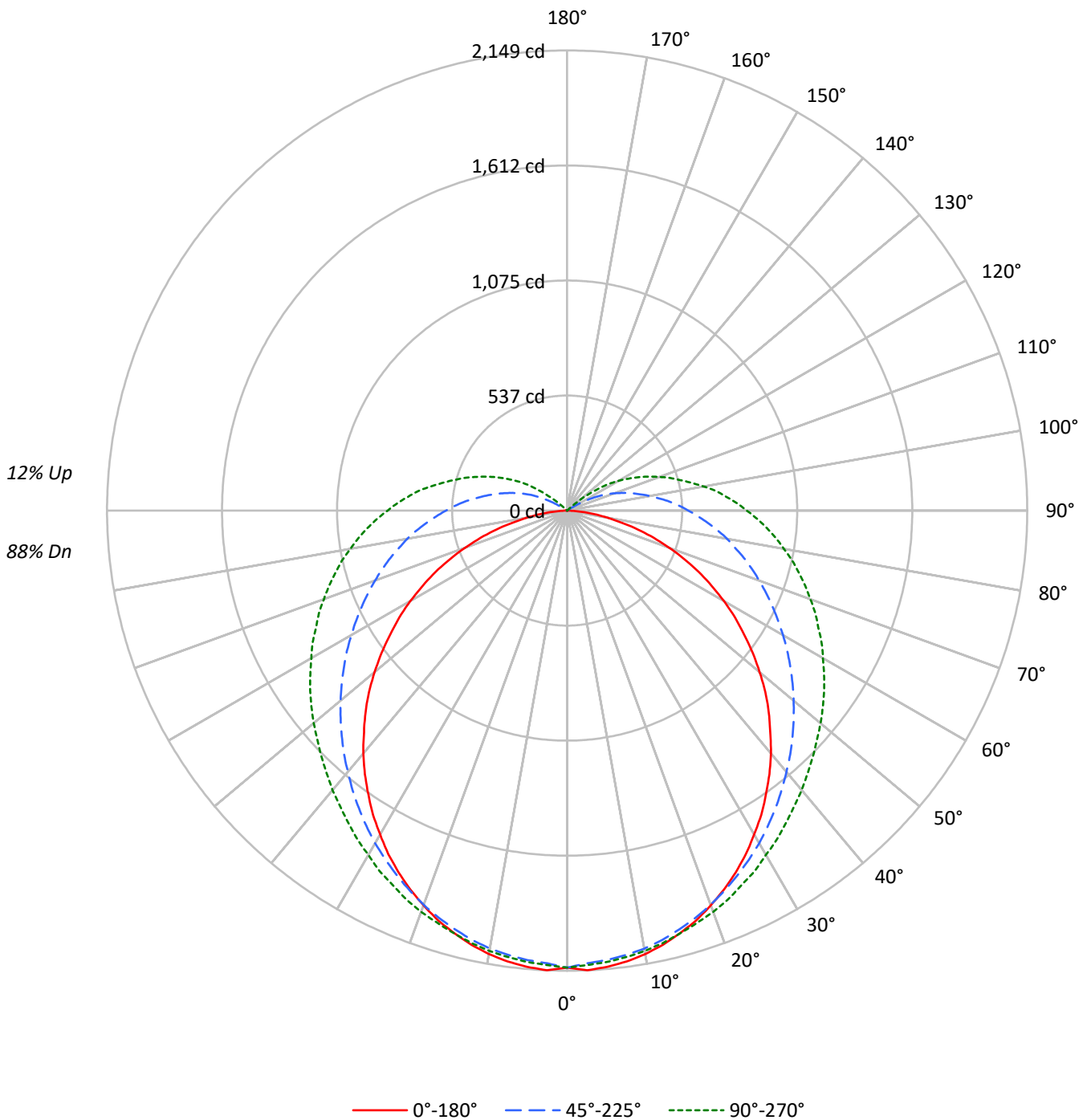
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68916	68916	68916
5°	69199	54701	50814
10°	68698	45361	40152
15°	67890	38409	32971
20°	66891	33085	27900
25°	65761	28808	23985
30°	64362	25324	20922
35°	62900	22360	18479
40°	61349	19835	16490
45°	59565	17690	14827
50°	57510	15808	13457
55°	55120	14151	12288
60°	52697	12691	11240
65°	49597	11386	10326
70°	45312	10225	9521
75°	39638	9181	8767
80°	31549	8241	8065
85°	20498	7289	7425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.5	2.4
10°-20°	575.3	6.8
20°-30°	872.3	10.3
30°-40°	1064.6	12.5
40°-50°	1146.6	13.5
50°-60°	1126.1	13.3
60°-70°	1017.5	12.0
70°-80°	847.1	10.0
80°-90°	649.7	7.7
90°-100°	470.4	5.5
100°-110°	303.9	3.6
110°-120°	163.8	1.9
120°-130°	51.8	0.6
130°-140°	1.9	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°	1649.1	19.4
0°-40°	2713.7	32.0
0°-60°	4986.4	58.7
0°-90°	7500.8	88.3
90°-120°	938.1	11.0
90°-150°	991.9	11.7
90°-180°	992.0	11.7
0°-180°	8492.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2134	2134	2134	2134	2134	
5°	2139	2131	2107	2123	2116	203
15°	2042	2038	2024	2047	2043	576
25°	1864	1866	1880	1921	1929	858
35°	1619	1640	1696	1764	1782	1013
45°	1332	1382	1489	1586	1623	1027
55°	1008	1108	1272	1413	1465	903
65°	678	825	1058	1235	1294	669
75°	342	568	854	1052	1119	363
85°	68	348	659	864	936	82
90°	2	262	566	769	839	4
95°	4	190	479	679	746	4
105°	4	67	312	488	549	5
115°	3	3	157	311	369	4
125°	2	1	1	125	177	2
135°	0	0	0	0	0	1
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°	2134.2	2134.2	2134.2	2134.2	2134.2
2.5°	2148.8	2139.8	2116.2	2130.8	2124.1
5°	2138.7	2130.8	2107.3	2123.0	2116.2
7.5°	2124.1	2116.2	2093.8	2109.5	2103.9
10°	2102.8	2094.9	2076.9	2092.7	2088.2
12.5°	2075.8	2070.2	2053.4	2072.5	2068.0
15°	2042.1	2037.7	2024.2	2046.6	2043.3
17.5°	2006.2	2001.7	1993.9	2017.4	2018.6
20°	1961.3	1960.2	1959.1	1989.4	1993.9
22.5°	1915.3	1916.4	1920.9	1957.9	1964.7
25°	1863.6	1865.9	1880.5	1920.9	1928.8
27.5°	1808.6	1816.5	1837.8	1885.0	1897.3
30°	1746.9	1760.4	1794.0	1843.4	1856.9
32.5°	1686.3	1700.8	1745.8	1804.1	1822.1
35°	1618.9	1640.2	1696.4	1763.7	1781.7
37.5°	1551.5	1576.2	1645.8	1718.8	1741.3
40°	1480.8	1513.4	1593.1	1675.0	1704.2
42.5°	1404.5	1450.5	1542.6	1630.1	1662.7
45°	1331.5	1382.0	1488.7	1586.3	1623.4
47.5°	1256.3	1316.9	1434.8	1543.7	1583.0
50°	1173.2	1246.2	1380.9	1501.0	1544.8
52.5°	1092.4	1178.8	1327.0	1457.2	1505.5
55°	1008.2	1108.1	1272.0	1413.4	1465.1
57.5°	929.6	1036.2	1219.2	1367.4	1422.4
60°	845.4	966.6	1164.2	1324.8	1379.8
62.5°	760.0	897.0	1110.3	1278.7	1340.5
65°	678.1	825.2	1057.6	1234.9	1294.4
67.5°	590.5	760.0	1005.9	1187.8	1255.1
70°	507.4	692.7	954.3	1142.9	1209.1
72.5°	424.4	627.6	903.8	1098.0	1165.3
75°	342.4	568.1	854.4	1051.9	1119.3
77.5°	260.5	505.2	803.8	1005.9	1076.6
80°	189.7	450.2	758.9	958.8	1027.2
82.5°	129.1	398.5	708.4	913.9	983.5
85°	68.5	348.0	659.0	864.5	936.3
87.5°	20.2	303.1	610.7	816.2	888.0
90°	2.2	261.6	565.8	769.0	838.6
92.5°	3.4	225.7	523.2	726.4	793.7
95°	4.5	189.7	479.4	679.2	745.5
97.5°	4.5	158.3	434.5	630.9	701.7
100°	4.5	128.0	391.8	581.5	646.7
102.5°	4.5	99.9	351.4	532.1	596.1
105°	4.5	67.4	312.1	488.4	549.0
107.5°	4.5	33.7	273.9	445.7	505.2
110°	4.5	6.7	235.8	401.9	459.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	4.5	198.7	355.9	414.3
115°	3.4	3.4	157.2	311.0	369.4
117.5°	3.4	3.4	112.3	269.4	322.2
120°	3.4	2.2	65.1	225.7	278.4
122.5°	2.2	2.2	21.3	175.1	232.4
125°	2.2	1.1	1.1	124.6	177.4
127.5°	2.2	1.1	0.0	69.6	120.1
130°	2.2	1.1	0.0	20.2	68.5
132.5°	2.2	1.1	0.0	0.0	14.6
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)