

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: P290511

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-SLW-10-L950-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9014.1 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

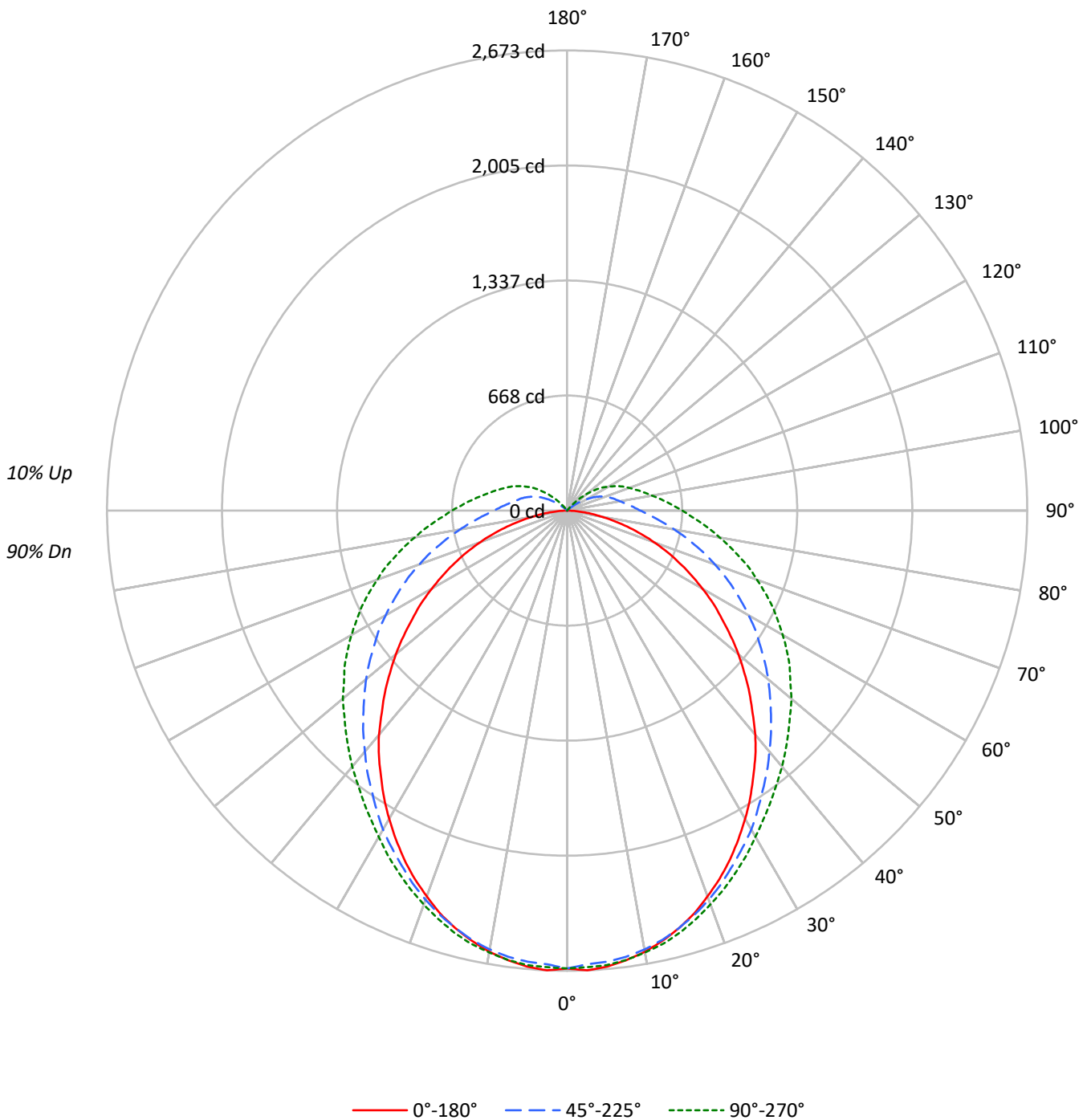
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	85879	85879	85879
5°	86050	68277	63643
10°	85013	56541	50122
15°	83452	47631	40939
20°	81324	40629	34072
25°	78951	34843	28827
30°	76189	30204	24652
35°	73236	26116	21389
40°	70463	22755	18792
45°	66995	19889	16600
50°	63672	17452	14816
55°	60024	15225	13238
60°	56543	13277	11788
65°	52632	11470	10496
70°	47920	9779	9238
75°	41721	8227	8099
80°	33794	6851	7060
85°	23850	5712	6152



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.3	2.8
10°-20°	710.8	7.9
20°-30°	1051.6	11.7
30°-40°	1241.9	13.8
40°-50°	1291.0	14.3
50°-60°	1217.2	13.5
60°-70°	1037.5	11.5
70°-80°	784.7	8.7
80°-90°	529.5	5.9
90°-100°	363.5	4.0
100°-110°	260.7	2.9
110°-120°	167.3	1.9
120°-130°	85.3	0.9
130°-140°	21.6	0.2
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2013.7	22.3
0°-40°	3255.6	36.1
0°-60°	5763.8	63.9
0°-90°	8115.4	90.0
90°-120°	791.4	8.8
90°-150°	898.7	10.0
90°-180°	899.0	10.0
0°-180°	9014.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2660	2660	2660	2660	2660	
5°	2660	2653	2630	2655	2650	252
15°	2510	2518	2510	2535	2537	707
25°	2237	2263	2274	2314	2318	1029
35°	1885	1930	1981	2041	2062	1180
45°	1498	1572	1674	1777	1818	1155
55°	1098	1211	1368	1516	1578	985
65°	720	866	1065	1242	1316	714
75°	360	536	766	961	1034	385
85°	80	268	516	707	776	91
90°	1	190	424	605	669	5
95°	1	150	362	521	579	1
105°	2	96	274	394	439	2
115°	2	12	190	298	334	2
125°	2	3	80	185	222	2
135°	2	1	1	58	86	2
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°	2659.5	2659.5	2659.5	2659.5	2659.5
2.5°	2673.0	2664.0	2638.2	2660.6	2655.0
5°	2659.5	2652.8	2630.3	2655.0	2650.5
7.5°	2633.7	2632.6	2614.6	2640.4	2632.6
10°	2602.2	2603.4	2588.8	2614.6	2606.7
12.5°	2559.6	2564.1	2554.0	2578.7	2577.6
15°	2510.2	2518.1	2510.2	2534.9	2537.1
17.5°	2454.1	2466.4	2460.8	2491.1	2487.7
20°	2384.5	2401.3	2405.8	2436.1	2435.0
22.5°	2314.9	2336.2	2344.0	2375.5	2380.0
25°	2237.4	2263.2	2274.4	2313.7	2318.2
27.5°	2153.2	2186.9	2207.1	2246.4	2256.5
30°	2067.9	2103.8	2139.7	2179.0	2188.0
32.5°	1979.2	2018.5	2060.0	2113.9	2124.0
35°	1884.9	1929.8	1981.4	2040.9	2062.3
37.5°	1796.2	1846.7	1907.3	1976.9	1999.4
40°	1700.8	1752.4	1827.6	1906.2	1942.1
42.5°	1594.1	1663.7	1753.5	1847.8	1879.3
45°	1497.6	1571.7	1673.8	1777.1	1817.5
47.5°	1396.5	1483.0	1598.6	1713.1	1756.9
50°	1298.9	1393.2	1524.5	1648.0	1700.8
52.5°	1197.8	1304.5	1447.1	1584.0	1633.4
55°	1097.9	1211.3	1368.5	1515.5	1578.4
57.5°	1008.1	1123.7	1297.8	1448.2	1512.2
60°	907.1	1040.7	1218.0	1379.7	1447.1
62.5°	813.9	949.7	1139.5	1311.2	1378.6
65°	719.6	865.5	1065.4	1241.6	1315.7
67.5°	630.9	778.0	990.2	1173.1	1243.9
70°	536.6	696.0	912.7	1101.3	1173.1
72.5°	450.2	614.1	840.8	1031.7	1109.2
75°	360.4	535.5	765.6	961.0	1033.9
77.5°	280.7	459.2	698.3	894.7	967.7
80°	203.2	389.6	630.9	828.5	899.2
82.5°	138.1	325.6	571.4	767.9	837.5
85°	79.7	268.3	516.4	707.3	775.7
87.5°	30.3	223.4	467.0	654.5	717.4
90°	1.1	189.7	424.4	605.1	669.1
92.5°	1.1	166.1	391.8	560.2	619.7
95°	1.1	150.4	361.5	520.9	579.3
97.5°	2.2	138.1	334.5	486.1	537.7
100°	2.2	125.7	312.1	452.4	501.8
102.5°	2.2	113.4	291.9	422.1	468.1
105°	2.2	96.5	273.9	394.0	438.9
107.5°	2.2	75.2	253.7	370.5	409.8
110°	2.2	55.0	232.4	346.9	385.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	33.7	213.3	323.3	360.4
115°	2.2	12.3	189.7	297.5	334.5
117.5°	2.2	4.5	161.7	272.8	305.4
120°	2.2	3.4	134.7	245.9	278.4
122.5°	2.2	3.4	106.6	216.7	251.5
125°	2.2	3.4	79.7	185.2	222.3
127.5°	2.2	2.2	51.6	152.7	186.4
130°	2.2	2.2	24.7	121.2	153.8
132.5°	2.2	2.2	1.1	88.7	120.1
135°	2.2	1.1	1.1	58.4	86.4
137.5°	2.2	1.1	0.0	28.1	56.1
140°	2.2	1.1	0.0	0.0	22.5
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)