

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: P290519

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290519  
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-12-L950-CD1-U  
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

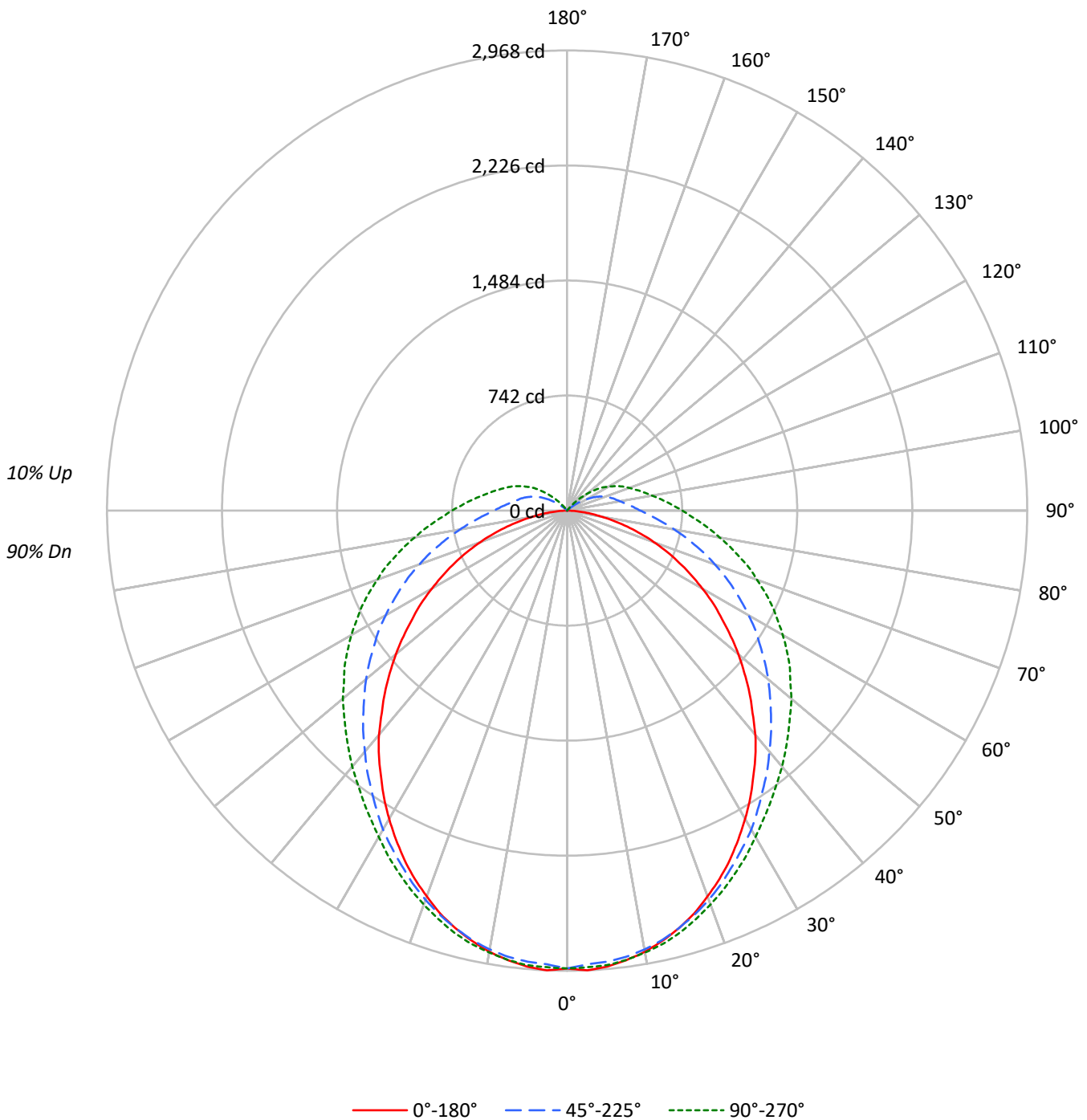
Lumens per Lamp: N/A  
Luminaire Lumens: 10009.7 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 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	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°	95363	95363	95363
5°	95553	75818	70674
10°	94405	62785	55659
15°	92667	52891	45462
20°	90304	45116	37834
25°	87670	38692	32012
30°	84604	33541	27376
35°	81325	29001	23751
40°	78243	25268	20869
45°	74394	22086	18434
50°	70701	19380	16452
55°	66656	16906	14701
60°	62789	14745	13090
65°	58447	12736	11655
70°	53215	10860	10258
75°	46329	9136	8993
80°	37519	7608	7840
85°	26483	6342	6831



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.1	2.8
10°-20°	789.3	7.9
20°-30°	1167.7	11.7
30°-40°	1379.1	13.8
40°-50°	1433.6	14.3
50°-60°	1351.6	13.5
60°-70°	1152.1	11.5
70°-80°	871.3	8.7
80°-90°	587.9	5.9
90°-100°	403.6	4.0
100°-110°	289.5	2.9
110°-120°	185.8	1.9
120°-130°	94.7	0.9
130°-140°	24.0	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°	2236.1	22.3
0°-40°	3615.2	36.1
0°-60°	6400.4	63.9
0°-90°	9011.8	90.0
90°-120°	878.9	8.8
90°-150°	998.0	10.0
90°-180°	998.0	10.0
0°-180°	10009.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2953	2953	2953	2953	2953	
5°	2953	2946	2921	2948	2943	280
15°	2787	2796	2787	2815	2817	785
25°	2484	2513	2526	2569	2574	1143
35°	2093	2143	2200	2266	2290	1311
45°	1663	1745	1859	1973	2018	1283
55°	1219	1345	1520	1683	1753	1094
65°	799	961	1183	1379	1461	793
75°	400	595	850	1067	1148	428
85°	88	298	573	785	861	101
90°	1	211	471	672	743	5
95°	1	167	401	578	643	2
105°	2	107	304	438	487	3
115°	2	14	211	330	372	2
125°	2	4	88	206	247	2
135°	2	1	1	65	96	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°	2953.2	2953.2	2953.2	2953.2	2953.2
2.5°	2968.2	2958.2	2929.6	2954.5	2948.3
5°	2953.2	2945.8	2920.8	2948.3	2943.3
7.5°	2924.6	2923.3	2903.4	2932.1	2923.3
10°	2889.7	2890.9	2874.7	2903.4	2894.7
12.5°	2842.3	2847.3	2836.1	2863.5	2862.2
15°	2787.4	2796.2	2787.4	2814.9	2817.4
17.5°	2725.1	2738.8	2732.6	2766.3	2762.5
20°	2647.8	2666.5	2671.5	2705.2	2703.9
22.5°	2570.5	2594.2	2602.9	2637.9	2642.8
25°	2484.5	2513.2	2525.7	2569.3	2574.3
27.5°	2391.0	2428.4	2450.9	2494.5	2505.7
30°	2296.3	2336.2	2376.1	2419.7	2429.7
32.5°	2197.8	2241.4	2287.6	2347.4	2358.6
35°	2093.1	2142.9	2200.3	2266.4	2290.0
37.5°	1994.6	2050.7	2118.0	2195.3	2220.2
40°	1888.6	1946.0	2029.5	2116.8	2156.7
42.5°	1770.2	1847.5	1947.2	2051.9	2086.8
45°	1663.0	1745.3	1858.7	1973.4	2018.3
47.5°	1550.8	1646.8	1775.2	1902.3	1951.0
50°	1442.3	1547.1	1692.9	1830.0	1888.6
52.5°	1330.1	1448.6	1606.9	1759.0	1813.8
55°	1219.2	1345.1	1519.6	1682.9	1752.8
57.5°	1119.5	1247.9	1441.1	1608.1	1679.2
60°	1007.3	1155.6	1352.6	1532.1	1606.9
62.5°	903.8	1054.6	1265.3	1456.1	1530.9
65°	799.1	961.1	1183.0	1378.8	1461.0
67.5°	700.6	863.9	1099.5	1302.7	1381.3
70°	595.9	772.9	1013.5	1222.9	1302.7
72.5°	499.9	681.9	933.7	1145.6	1231.7
75°	400.2	594.6	850.2	1067.1	1148.1
77.5°	311.7	509.9	775.4	993.6	1074.6
80°	225.6	432.6	700.6	920.0	998.5
82.5°	153.3	361.5	634.5	852.7	930.0
85°	88.5	297.9	573.4	785.4	861.4
87.5°	33.7	248.1	518.6	726.8	796.6
90°	1.2	210.7	471.2	671.9	743.0
92.5°	1.2	184.5	435.1	622.1	688.1
95°	1.2	167.0	401.4	578.4	643.3
97.5°	2.5	153.3	371.5	539.8	597.1
100°	2.5	139.6	346.6	502.4	557.2
102.5°	2.5	125.9	324.1	468.7	519.8
105°	2.5	107.2	304.2	437.6	487.4
107.5°	2.5	83.5	281.7	411.4	455.0
110°	2.5	61.1	258.1	385.2	427.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	37.4	236.9	359.0	400.2
115°	2.5	13.7	210.7	330.4	371.5
117.5°	2.5	5.0	179.5	302.9	339.1
120°	2.5	3.7	149.6	273.0	309.2
122.5°	2.5	3.7	118.4	240.6	279.2
125°	2.5	3.7	88.5	205.7	246.8
127.5°	2.5	2.5	57.3	169.5	206.9
130°	2.5	2.5	27.4	134.6	170.8
132.5°	2.5	2.5	1.2	98.5	133.4
135°	2.5	1.2	1.2	64.8	96.0
137.5°	2.5	1.2	0.0	31.2	62.3
140°	2.5	1.2	0.0	0.0	24.9
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)