

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: P290495

Luminaire Tested: **8SSRK-SLW-60-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290495  
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-60-L950-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

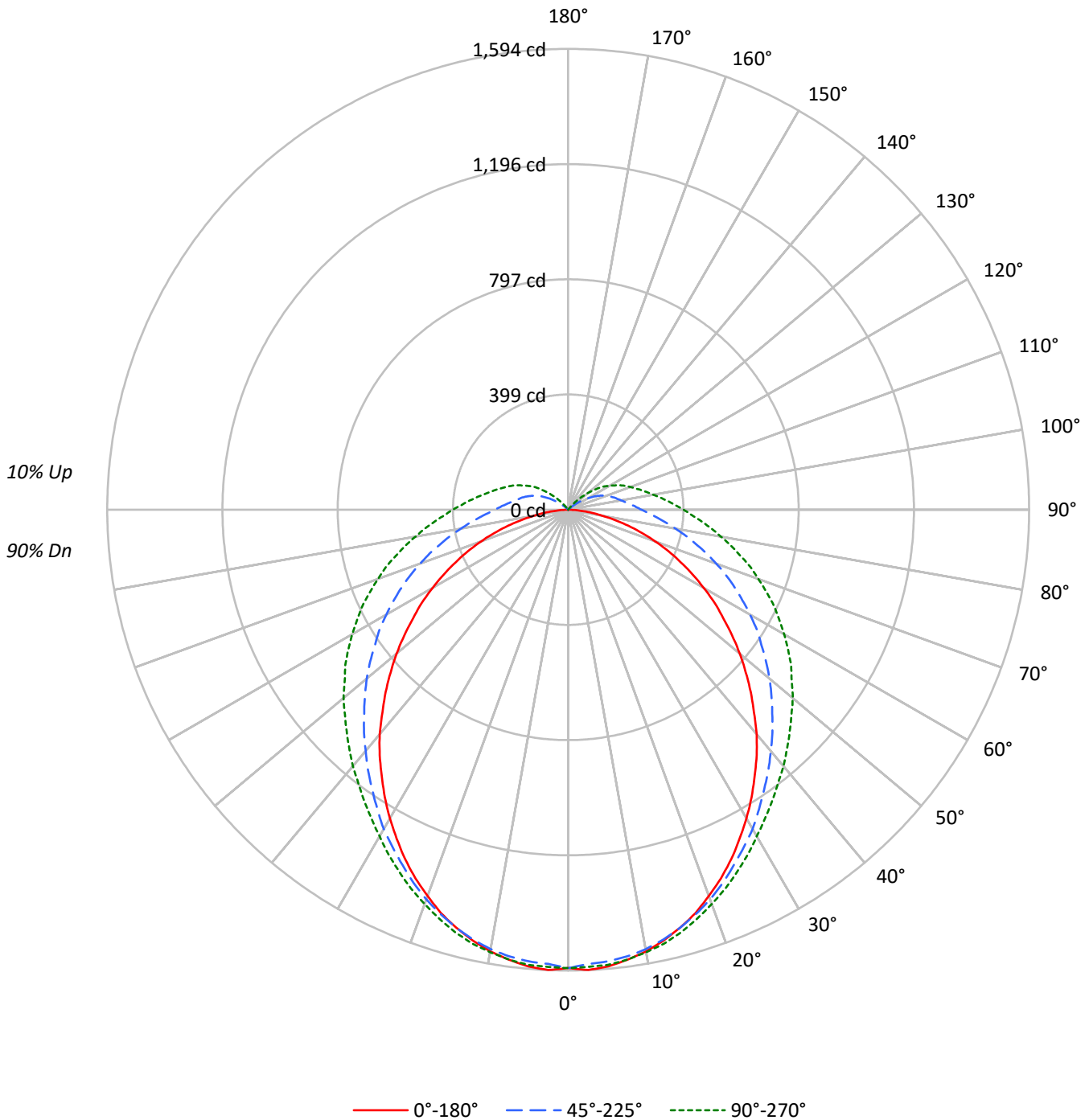
Lumens per Lamp: N/A  
Luminaire Lumens: 5373.9 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 41.3831  
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°	51198	51198	51198
5°	51300	40705	37941
10°	50684	33706	29880
15°	49751	28396	24406
20°	48481	24221	20312
25°	47069	20772	17186
30°	45421	18006	14697
35°	43660	15570	12751
40°	42005	13566	11203
45°	39939	11858	9896
50°	37956	10405	8832
55°	35783	9076	7892
60°	33710	7916	7028
65°	31377	6838	6258
70°	28568	5830	5507
75°	24866	4904	4828
80°	20140	4084	4209
85°	14214	3406	3668



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.8	2.8
10°-20°	423.7	7.9
20°-30°	626.9	11.7
30°-40°	740.4	13.8
40°-50°	769.6	14.3
50°-60°	725.6	13.5
60°-70°	618.5	11.5
70°-80°	467.8	8.7
80°-90°	315.6	5.9
90°-100°	216.7	4.0
100°-110°	155.4	2.9
110°-120°	99.7	1.9
120°-130°	50.9	0.9
130°-140°	12.9	0.2
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1200.5	22.3
0°-40°	1940.8	36.1
0°-60°	3436.1	63.9
0°-90°	4838.1	90.0
90°-120°	471.8	8.8
90°-150°	535.8	10.0
90°-180°	536.0	10.0
0°-180°	5373.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1586	1586	1586	1586	1586	
5°	1586	1582	1568	1583	1580	150
15°	1496	1501	1496	1511	1512	421
25°	1334	1349	1356	1379	1382	614
35°	1124	1150	1181	1217	1229	704
45°	893	937	998	1060	1084	689
55°	654	722	816	904	941	587
65°	429	516	635	740	784	426
75°	215	319	456	573	616	230
85°	48	160	308	422	462	54
90°	1	113	253	361	399	3
95°	1	90	216	310	345	1
105°	1	58	163	235	262	1
115°	1	7	113	177	199	1
125°	1	2	48	110	132	1
135°	1	1	1	35	52	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°	1585.5	1585.5	1585.5	1585.5	1585.5
2.5°	1593.5	1588.2	1572.8	1586.2	1582.8
5°	1585.5	1581.5	1568.1	1582.8	1580.1
7.5°	1570.1	1569.4	1558.7	1574.1	1569.4
10°	1551.4	1552.0	1543.3	1558.7	1554.0
12.5°	1525.9	1528.6	1522.6	1537.3	1536.6
15°	1496.5	1501.2	1496.5	1511.2	1512.5
17.5°	1463.0	1470.4	1467.0	1485.1	1483.1
20°	1421.5	1431.6	1434.2	1452.3	1451.6
22.5°	1380.0	1392.7	1397.4	1416.2	1418.8
25°	1333.9	1349.2	1355.9	1379.4	1382.0
27.5°	1283.7	1303.7	1315.8	1339.2	1345.2
30°	1232.8	1254.2	1275.6	1299.0	1304.4
32.5°	1179.9	1203.3	1228.1	1260.2	1266.3
35°	1123.7	1150.5	1181.3	1216.7	1229.4
37.5°	1070.8	1100.9	1137.1	1178.6	1192.0
40°	1013.9	1044.7	1089.6	1136.4	1157.8
42.5°	950.4	991.9	1045.4	1101.6	1120.4
45°	892.8	937.0	997.9	1059.5	1083.5
47.5°	832.6	884.1	953.0	1021.3	1047.4
50°	774.3	830.6	908.9	982.5	1013.9
52.5°	714.1	777.7	862.7	944.3	973.8
55°	654.5	722.1	815.8	903.5	941.0
57.5°	601.0	669.9	773.7	863.4	901.5
60°	540.8	620.4	726.2	822.5	862.7
62.5°	485.2	566.2	679.3	781.7	821.9
65°	429.0	516.0	635.1	740.2	784.4
67.5°	376.1	463.8	590.3	699.4	741.5
70°	319.9	414.9	544.1	656.6	699.4
72.5°	268.4	366.1	501.3	615.1	661.2
75°	214.8	319.2	456.4	572.9	616.4
77.5°	167.3	273.7	416.3	533.4	576.9
80°	121.1	232.2	376.1	493.9	536.1
82.5°	82.3	194.1	340.7	457.8	499.3
85°	47.5	160.0	307.9	421.6	462.5
87.5°	18.1	133.2	278.4	390.2	427.7
90°	0.7	113.1	253.0	360.7	398.9
92.5°	0.7	99.1	233.6	334.0	369.4
95°	0.7	89.7	215.5	310.5	345.3
97.5°	1.3	82.3	199.4	289.8	320.6
100°	1.3	75.0	186.1	269.7	299.2
102.5°	1.3	67.6	174.0	251.6	279.1
105°	1.3	57.6	163.3	234.9	261.7
107.5°	1.3	44.8	151.3	220.9	244.3
110°	1.3	32.8	138.5	206.8	229.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	20.1	127.2	192.7	214.8
115°	1.3	7.4	113.1	177.4	199.4
117.5°	1.3	2.7	96.4	162.6	182.0
120°	1.3	2.0	80.3	146.6	166.0
122.5°	1.3	2.0	63.6	129.2	149.9
125°	1.3	2.0	47.5	110.4	132.5
127.5°	1.3	1.3	30.8	91.0	111.1
130°	1.3	1.3	14.7	72.3	91.7
132.5°	1.3	1.3	0.7	52.9	71.6
135°	1.3	0.7	0.7	34.8	51.5
137.5°	1.3	0.7	0.0	16.7	33.5
140°	1.3	0.7	0.0	0.0	13.4
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)