

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: P289967

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289967  
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-60-L950-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

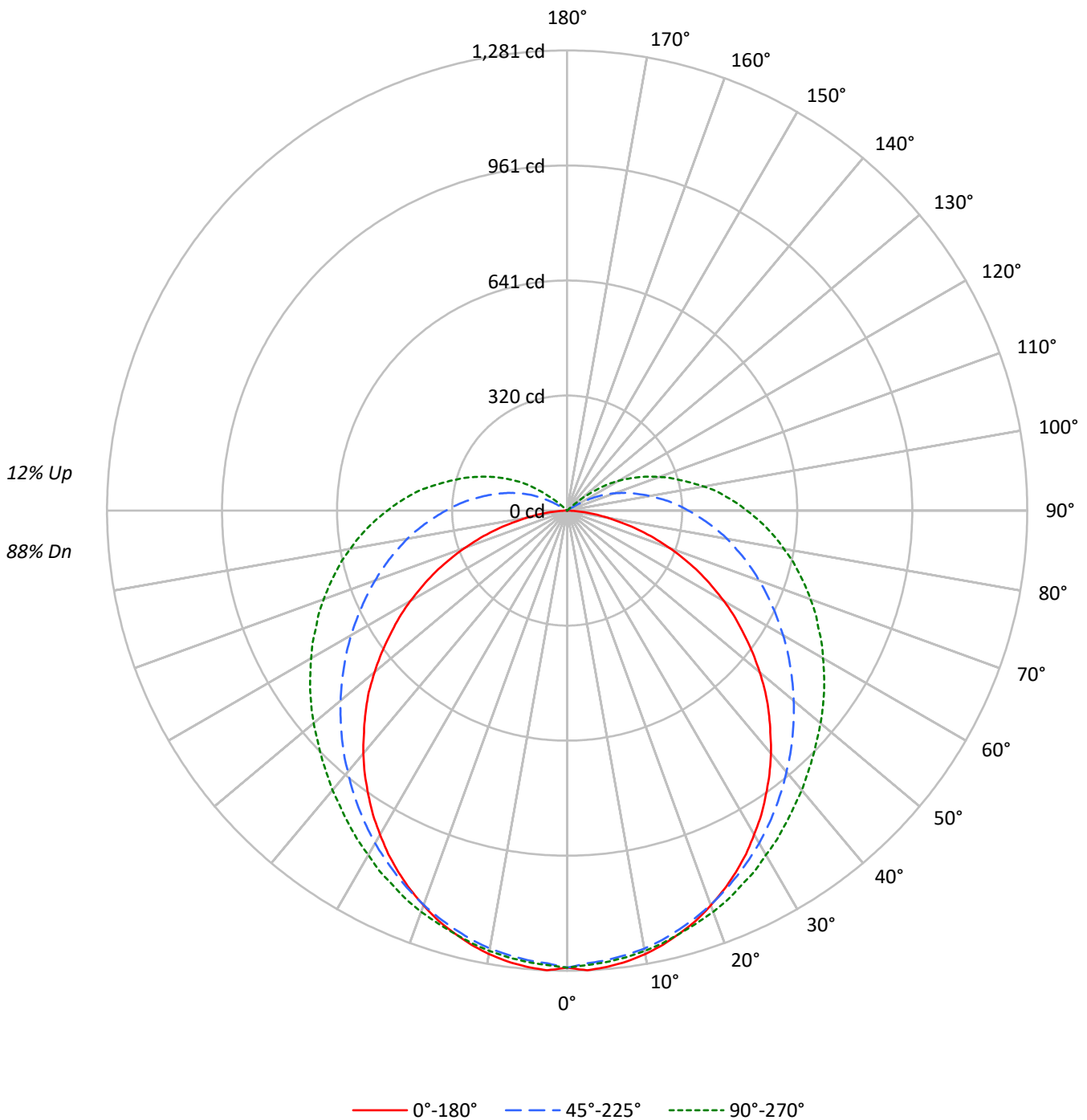
Lumens per Lamp: N/A  
Luminaire Lumens: 5063.0 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 41.3831  
Input Voltage (V): NR  
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	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°	41084	41084	41084
5°	41254	32611	30293
10°	40955	27043	23937
15°	40472	22897	19655
20°	39879	19723	16633
25°	39204	17175	14298
30°	38369	15097	12473
35°	37498	13330	11017
40°	36574	11824	9831
45°	35511	10546	8839
50°	34284	9424	8023
55°	32858	8436	7325
60°	31416	7566	6701
65°	29571	6788	6156
70°	27014	6096	5676
75°	23627	5473	5227
80°	18810	4913	4808
85°	12209	4346	4427



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.2	2.4
10°-20°	343.0	6.8
20°-30°	520.0	10.3
30°-40°	634.7	12.5
40°-50°	683.5	13.5
50°-60°	671.4	13.3
60°-70°	606.6	12.0
70°-80°	505.0	10.0
80°-90°	387.3	7.7
90°-100°	280.4	5.5
100°-110°	181.2	3.6
110°-120°	97.6	1.9
120°-130°	30.9	0.6
130°-140°	1.2	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°	983.1	19.4
0°-40°	1617.8	32.0
0°-60°	2972.7	58.7
0°-90°	4471.7	88.3
90°-120°	559.3	11.0
90°-150°	591.3	11.7
90°-180°	591.0	11.7
0°-180°	5063.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1272	1272	1272	1272	1272	
5°	1275	1270	1256	1266	1262	121
15°	1217	1215	1207	1220	1218	343
25°	1111	1112	1121	1145	1150	512
35°	965	978	1011	1052	1062	604
45°	794	824	888	946	968	612
55°	601	661	758	843	873	538
65°	404	492	630	736	772	399
75°	204	339	509	627	667	216
85°	41	208	393	515	558	49
90°	1	156	337	458	500	2
95°	3	113	286	405	444	2
105°	3	40	186	291	327	3
115°	2	2	94	185	220	2
125°	1	1	1	74	106	1
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°	1272.3	1272.3	1272.3	1272.3	1272.3
2.5°	1281.0	1275.7	1261.6	1270.3	1266.3
5°	1275.0	1270.3	1256.3	1265.6	1261.6
7.5°	1266.3	1261.6	1248.2	1257.6	1254.3
10°	1253.6	1248.9	1238.2	1247.6	1244.9
12.5°	1237.5	1234.2	1224.1	1235.5	1232.8
15°	1217.4	1214.8	1206.7	1220.1	1218.1
17.5°	1196.0	1193.4	1188.7	1202.7	1203.4
20°	1169.3	1168.6	1167.9	1186.0	1188.7
22.5°	1141.8	1142.5	1145.2	1167.3	1171.3
25°	1111.0	1112.4	1121.1	1145.2	1149.8
27.5°	1078.2	1082.9	1095.6	1123.7	1131.1
30°	1041.4	1049.5	1069.5	1099.0	1107.0
32.5°	1005.3	1014.0	1040.8	1075.6	1086.3
35°	965.1	977.8	1011.3	1051.5	1062.2
37.5°	925.0	939.7	981.2	1024.7	1038.1
40°	882.8	902.2	949.7	998.6	1016.0
42.5°	837.3	864.7	919.6	971.8	991.2
45°	793.8	823.9	887.5	945.7	967.8
47.5°	748.9	785.1	855.4	920.3	943.7
50°	699.4	742.9	823.2	894.8	921.0
52.5°	651.2	702.8	791.1	868.7	897.5
55°	601.0	660.6	758.3	842.6	873.4
57.5°	554.2	617.8	726.9	815.2	848.0
60°	504.0	576.3	694.1	789.8	822.6
62.5°	453.1	534.8	661.9	762.3	799.1
65°	404.3	491.9	630.5	736.2	771.7
67.5°	352.0	453.1	599.7	708.1	748.3
70°	302.5	413.0	568.9	681.3	720.8
72.5°	253.0	374.1	538.8	654.6	694.7
75°	204.1	338.7	509.3	627.1	667.3
77.5°	155.3	301.2	479.2	599.7	641.9
80°	113.1	268.4	452.4	571.6	612.4
82.5°	77.0	237.6	422.3	544.8	586.3
85°	40.8	207.5	392.9	515.4	558.2
87.5°	12.0	180.7	364.1	486.6	529.4
90°	1.3	155.9	337.3	458.5	500.0
92.5°	2.0	134.5	311.9	433.0	473.2
95°	2.7	113.1	285.8	404.9	444.4
97.5°	2.7	94.4	259.0	376.1	418.3
100°	2.7	76.3	233.6	346.7	385.5
102.5°	2.7	59.6	209.5	317.2	355.4
105°	2.7	40.2	186.1	291.1	327.3
107.5°	2.7	20.1	163.3	265.7	301.2
110°	2.7	4.0	140.6	239.6	273.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.7	118.5	212.2	247.0
115°	2.0	2.0	93.7	185.4	220.2
117.5°	2.0	2.0	66.9	160.6	192.1
120°	2.0	1.3	38.8	134.5	166.0
122.5°	1.3	1.3	12.7	104.4	138.5
125°	1.3	0.7	0.7	74.3	105.7
127.5°	1.3	0.7	0.0	41.5	71.6
130°	1.3	0.7	0.0	12.0	40.8
132.5°	1.3	0.7	0.0	0.0	8.7
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)