

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: P289969

Luminaire Tested: **8SSRK-LW-60-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289969  
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-L835-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 80 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5525.6 lumens  
Efficiency: N/A  
Efficacy: 133.5 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

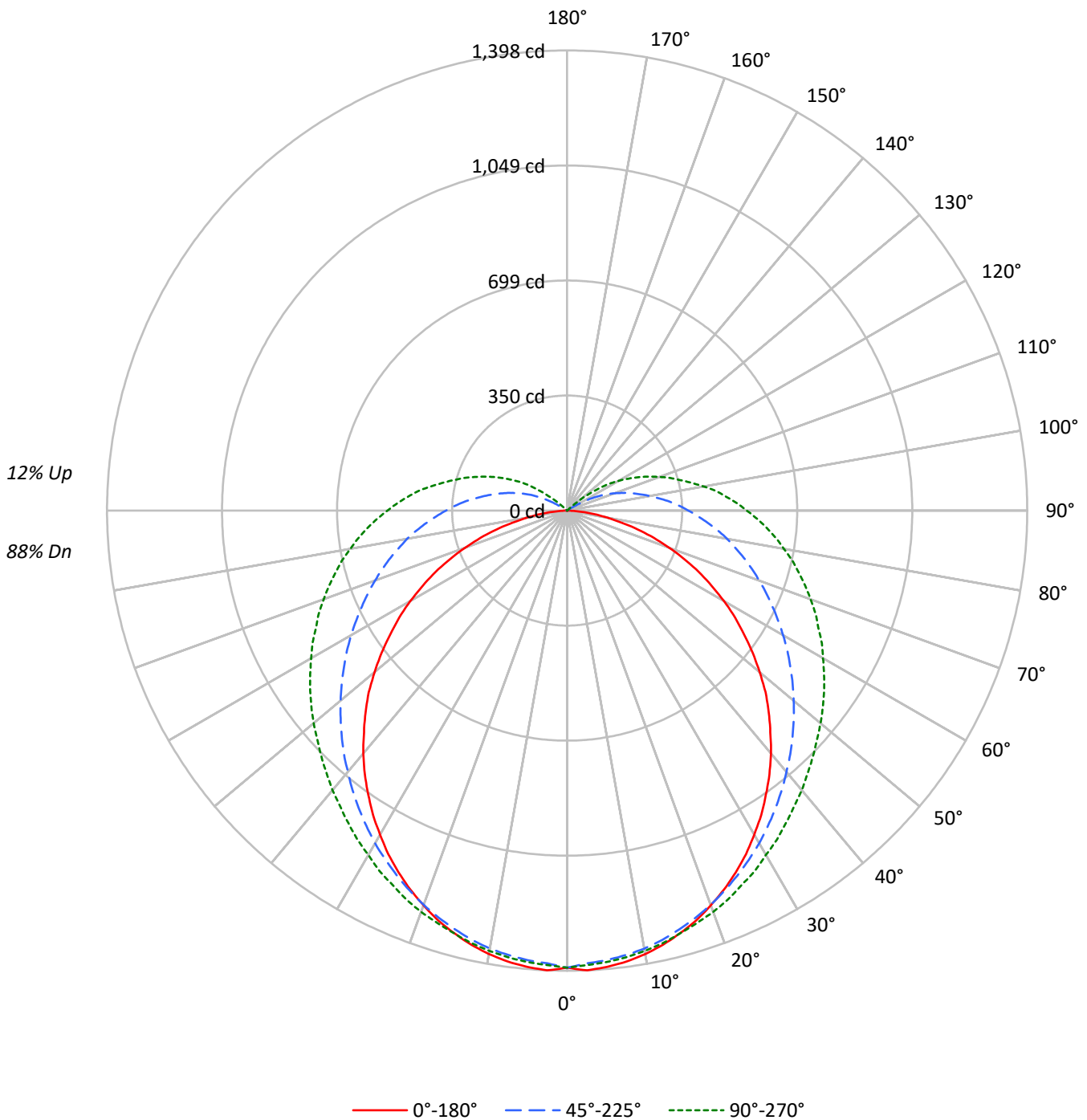
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	44840	44840	44840
5°	45023	35591	33062
10°	44695	29513	26123
15°	44173	24990	21451
20°	43522	21525	18153
25°	42785	18743	15605
30°	41877	16477	13613
35°	40925	14548	12023
40°	39917	12905	10729
45°	38754	11510	9647
50°	37417	10286	8755
55°	35859	9207	7995
60°	34284	8258	7313
65°	32270	7408	6719
70°	29488	6653	6195
75°	25792	5973	5705
80°	20523	5362	5248
85°	13346	4743	4831



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.1	2.4
10°-20°	374.3	6.8
20°-30°	567.6	10.3
30°-40°	692.7	12.5
40°-50°	746.0	13.5
50°-60°	732.7	13.3
60°-70°	662.0	12.0
70°-80°	551.2	10.0
80°-90°	422.7	7.7
90°-100°	306.1	5.5
100°-110°	197.7	3.6
110°-120°	106.6	1.9
120°-130°	33.7	0.6
130°-140°	1.3	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°	1073.0	19.4
0°-40°	1765.6	32.0
0°-60°	3244.3	58.7
0°-90°	4880.3	88.3
90°-120°	610.3	11.0
90°-150°	645.3	11.7
90°-180°	645.0	11.7
0°-180°	5525.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1389	1389	1389	1389	1389	
5°	1392	1386	1371	1381	1377	132
15°	1329	1326	1317	1332	1329	375
25°	1212	1214	1224	1250	1255	558
35°	1053	1067	1104	1148	1159	659
45°	866	899	969	1032	1056	668
55°	656	721	828	920	953	588
65°	441	537	688	804	842	435
75°	223	370	556	684	728	236
85°	45	226	429	562	609	54
90°	2	170	368	500	546	3
95°	3	123	312	442	485	2
105°	3	44	203	318	357	3
115°	2	2	102	202	240	2
125°	2	1	1	81	115	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°	1388.6	1388.6	1388.6	1388.6	1388.6
2.5°	1398.1	1392.2	1376.9	1386.4	1382.0
5°	1391.5	1386.4	1371.1	1381.3	1376.9
7.5°	1382.0	1376.9	1362.3	1372.5	1368.9
10°	1368.1	1363.0	1351.3	1361.6	1358.6
12.5°	1350.6	1346.9	1336.0	1348.4	1345.5
15°	1328.7	1325.8	1317.0	1331.6	1329.4
17.5°	1305.3	1302.4	1297.3	1312.6	1313.3
20°	1276.1	1275.4	1274.6	1294.4	1297.3
22.5°	1246.1	1246.9	1249.8	1273.9	1278.3
25°	1212.5	1214.0	1223.5	1249.8	1254.9
27.5°	1176.8	1181.9	1195.7	1226.4	1234.5
30°	1136.6	1145.3	1167.3	1199.4	1208.2
32.5°	1097.1	1106.6	1135.8	1173.8	1185.5
35°	1053.3	1067.2	1103.7	1147.5	1159.2
37.5°	1009.5	1025.6	1070.8	1118.3	1132.9
40°	963.5	984.6	1036.5	1089.8	1108.8
42.5°	913.8	943.7	1003.6	1060.6	1081.8
45°	866.3	899.2	968.6	1032.1	1056.2
47.5°	817.4	856.8	933.5	1004.4	1029.9
50°	763.3	810.8	898.5	976.6	1005.1
52.5°	710.7	767.0	863.4	948.1	979.5
55°	655.9	721.0	827.6	919.6	953.2
57.5°	604.8	674.2	793.3	889.7	925.5
60°	550.0	628.9	757.5	861.9	897.7
62.5°	494.5	583.6	722.4	832.0	872.2
65°	441.2	536.9	688.1	803.5	842.2
67.5°	384.2	494.5	654.5	772.8	816.6
70°	330.2	450.7	620.9	743.6	786.7
72.5°	276.1	408.3	588.0	714.4	758.2
75°	222.8	369.6	555.9	684.4	728.3
77.5°	169.5	328.7	523.0	654.5	700.5
80°	123.4	292.9	493.8	623.8	668.4
82.5°	84.0	259.3	460.9	594.6	639.9
85°	44.6	226.4	428.8	562.4	609.2
87.5°	13.1	197.2	397.4	531.0	577.8
90°	1.5	170.2	368.1	500.4	545.6
92.5°	2.2	146.8	340.4	472.6	516.4
95°	2.9	123.4	311.9	441.9	485.0
97.5°	2.9	103.0	282.7	410.5	456.5
100°	2.9	83.3	254.9	378.4	420.7
102.5°	2.9	65.0	228.6	346.2	387.9
105°	2.9	43.8	203.1	317.7	357.2
107.5°	2.9	21.9	178.2	290.0	328.7
110°	2.9	4.4	153.4	261.5	298.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.9	129.3	231.6	269.5
115°	2.2	2.2	102.3	202.3	240.3
117.5°	2.2	2.2	73.0	175.3	209.6
120°	2.2	1.5	42.4	146.8	181.2
122.5°	1.5	1.5	13.9	114.0	151.2
125°	1.5	0.7	0.7	81.1	115.4
127.5°	1.5	0.7	0.0	45.3	78.2
130°	1.5	0.7	0.0	13.1	44.6
132.5°	1.5	0.7	0.0	0.0	9.5
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)