

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: P290497

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290497  
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-L835-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5865.0 lumens  
Efficiency: N/A  
Efficacy: 141.7 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

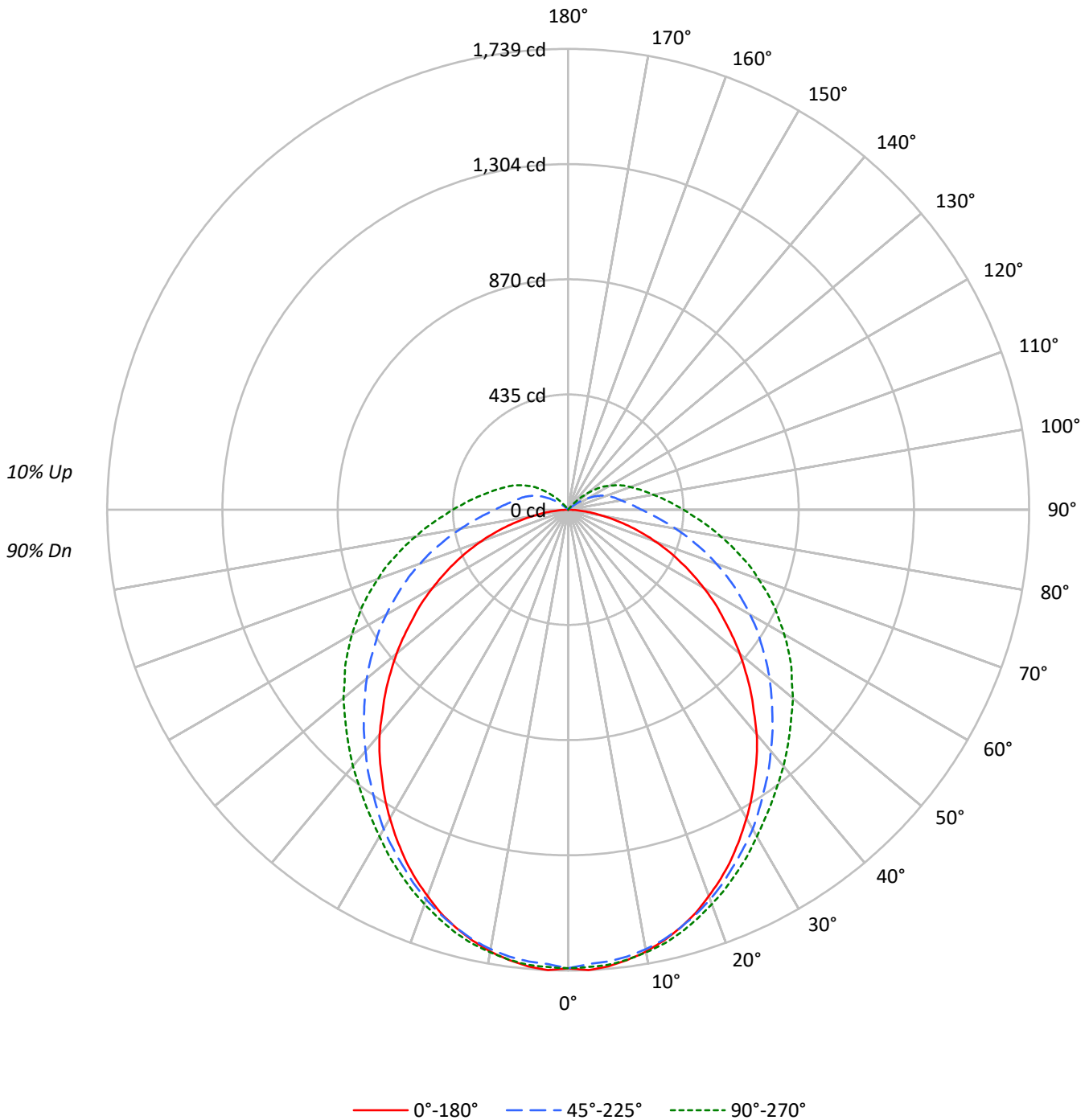
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	55877	55877	55877
5°	55989	44424	41408
10°	55313	36786	32611
15°	54296	30990	26636
20°	52911	26435	22168
25°	51367	22670	18756
30°	49570	19652	16040
35°	47650	16993	13917
40°	45846	14805	12227
45°	43590	12941	10800
50°	41426	11355	9640
55°	39058	9906	8613
60°	36789	8639	7669
65°	34244	7463	6830
70°	31175	6363	6011
75°	27147	5352	5269
80°	21986	4458	4594
85°	15531	3716	4002



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.5	2.8
10°-20°	462.5	7.9
20°-30°	684.2	11.7
30°-40°	808.0	13.8
40°-50°	840.0	14.3
50°-60°	791.9	13.5
60°-70°	675.1	11.5
70°-80°	510.5	8.7
80°-90°	344.5	5.9
90°-100°	236.5	4.0
100°-110°	169.6	2.9
110°-120°	108.8	1.9
120°-130°	55.5	0.9
130°-140°	14.1	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°	1310.2	22.3
0°-40°	2118.2	36.1
0°-60°	3750.1	63.9
0°-90°	5280.2	90.0
90°-120°	515.0	8.8
90°-150°	584.8	10.0
90°-180°	585.0	10.0
0°-180°	5865.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1730	1726	1711	1727	1724	164
15°	1633	1638	1633	1649	1651	460
25°	1456	1472	1480	1505	1508	670
35°	1226	1256	1289	1328	1342	768
45°	974	1023	1089	1156	1182	752
55°	714	788	890	986	1027	641
65°	468	563	693	808	856	465
75°	234	348	498	625	673	251
85°	52	175	336	460	505	59
90°	1	123	276	394	435	3
95°	1	98	235	339	377	1
105°	2	63	178	256	286	2
115°	2	8	123	194	218	1
125°	2	2	52	120	145	1
135°	2	1	1	38	56	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°	1730.4	1730.4	1730.4	1730.4	1730.4
2.5°	1739.1	1733.3	1716.5	1731.1	1727.4
5°	1730.4	1726.0	1711.4	1727.4	1724.5
7.5°	1713.6	1712.8	1701.1	1717.9	1712.8
10°	1693.1	1693.8	1684.3	1701.1	1696.0
12.5°	1665.4	1668.3	1661.7	1677.8	1677.0
15°	1633.2	1638.3	1633.2	1649.3	1650.7
17.5°	1596.7	1604.7	1601.1	1620.8	1618.6
20°	1551.4	1562.4	1565.3	1585.0	1584.3
22.5°	1506.1	1520.0	1525.1	1545.6	1548.5
25°	1455.7	1472.5	1479.8	1505.4	1508.3
27.5°	1400.9	1422.9	1436.0	1461.6	1468.1
30°	1345.4	1368.8	1392.2	1417.7	1423.6
32.5°	1287.7	1313.3	1340.3	1375.4	1382.0
35°	1226.4	1255.6	1289.2	1327.9	1341.8
37.5°	1168.7	1201.5	1241.0	1286.3	1300.9
40°	1106.6	1140.2	1189.1	1240.3	1263.6
42.5°	1037.2	1082.5	1140.9	1202.3	1222.7
45°	974.4	1022.6	1089.1	1156.3	1182.5
47.5°	908.6	964.9	1040.1	1114.6	1143.1
50°	845.1	906.5	991.9	1072.3	1106.6
52.5°	779.4	848.7	941.5	1030.6	1062.8
55°	714.4	788.1	890.4	986.1	1027.0
57.5°	655.9	731.1	844.4	942.2	983.9
60°	590.2	677.1	792.5	897.7	941.5
62.5°	529.6	617.9	741.4	853.1	897.0
65°	468.2	563.2	693.2	807.8	856.1
67.5°	410.5	506.2	644.2	763.3	809.3
70°	349.1	452.9	593.8	716.5	763.3
72.5°	292.9	399.5	547.1	671.3	721.7
75°	234.5	348.4	498.1	625.2	672.7
77.5°	182.6	298.7	454.3	582.1	629.6
80°	132.2	253.5	410.5	539.0	585.1
82.5°	89.8	211.8	371.8	499.6	544.9
85°	51.9	174.6	336.0	460.2	504.7
87.5°	19.7	145.4	303.9	425.8	466.7
90°	0.7	123.4	276.1	393.7	435.3
92.5°	0.7	108.1	254.9	364.5	403.2
95°	0.7	97.9	235.2	338.9	376.9
97.5°	1.5	89.8	217.7	316.3	349.9
100°	1.5	81.8	203.1	294.4	326.5
102.5°	1.5	73.8	189.9	274.6	304.6
105°	1.5	62.8	178.2	256.4	285.6
107.5°	1.5	48.9	165.1	241.0	266.6
110°	1.5	35.8	151.2	225.7	250.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	21.9	138.8	210.4	234.5
115°	1.5	8.0	123.4	193.6	217.7
117.5°	1.5	2.9	105.2	177.5	198.7
120°	1.5	2.2	87.7	160.0	181.1
122.5°	1.5	2.2	69.4	141.0	163.6
125°	1.5	2.2	51.9	120.5	144.6
127.5°	1.5	1.5	33.6	99.3	121.2
130°	1.5	1.5	16.1	78.9	100.1
132.5°	1.5	1.5	0.7	57.7	78.2
135°	1.5	0.7	0.7	38.0	56.2
137.5°	1.5	0.7	0.0	18.3	36.5
140°	1.5	0.7	0.0	0.0	14.6
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)