

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: P290498

Luminaire Tested: **8SSRK-SLW-60-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290498  
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-L840-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5964.4 lumens  
Efficiency: N/A  
Efficacy: 144.1 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

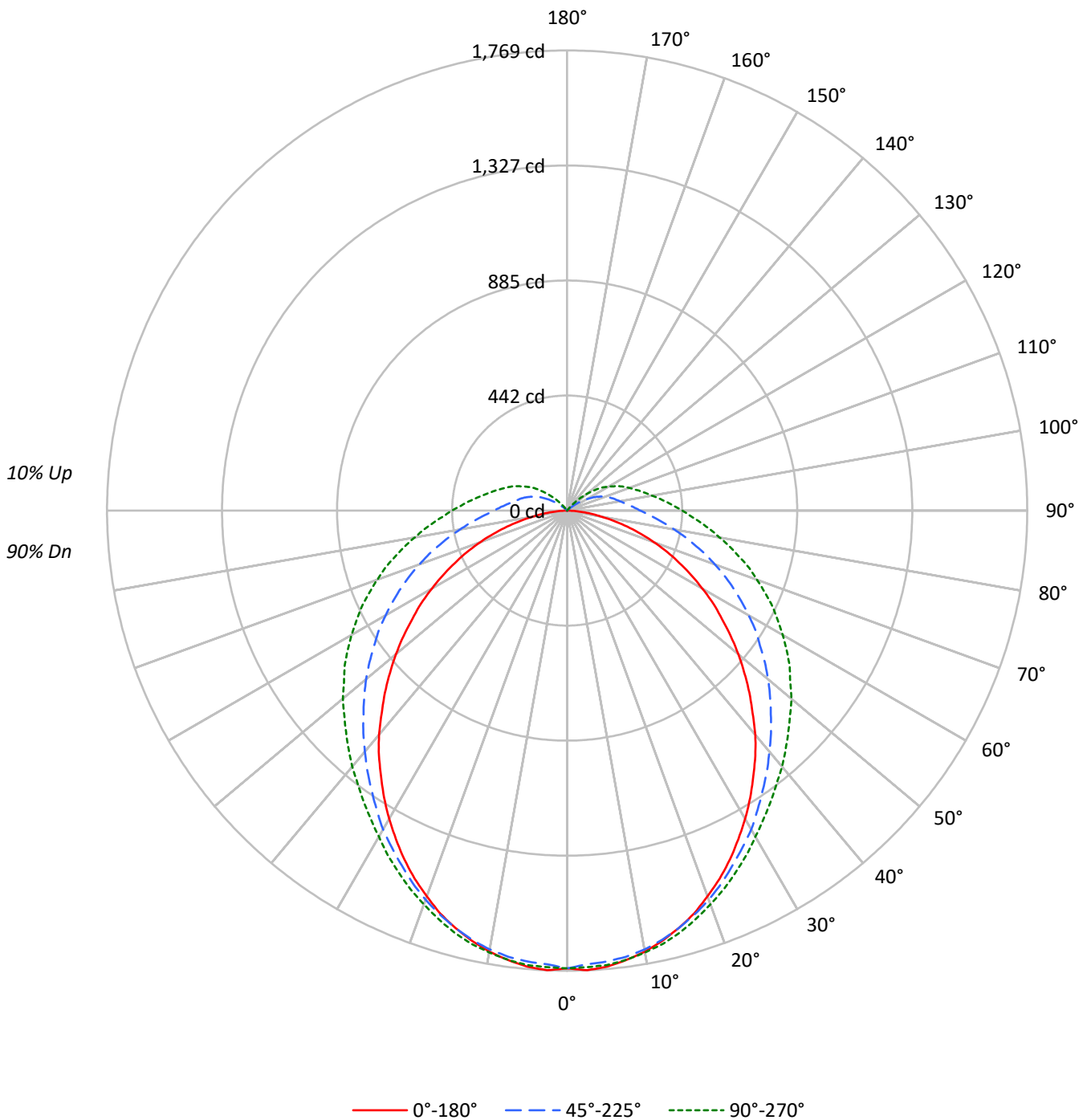
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	56823	56823	56823
5°	56937	45177	42112
10°	56251	37411	33165
15°	55217	31516	27088
20°	53808	26882	22543
25°	52239	23054	19074
30°	50410	19985	16311
35°	48459	17281	14152
40°	46625	15056	12435
45°	44328	13160	10984
50°	42127	11547	9803
55°	39719	10074	8759
60°	37413	8785	7800
65°	34822	7589	6945
70°	31711	6471	6112
75°	27598	5444	5359
80°	22352	4534	4672
85°	15770	3779	4071



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.3	2.8
10°-20°	470.3	7.9
20°-30°	695.8	11.7
30°-40°	821.7	13.8
40°-50°	854.2	14.3
50°-60°	805.4	13.5
60°-70°	686.5	11.5
70°-80°	519.2	8.7
80°-90°	350.3	5.9
90°-100°	240.5	4.0
100°-110°	172.5	2.9
110°-120°	110.7	1.9
120°-130°	56.5	0.9
130°-140°	14.3	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°	1332.4	22.3
0°-40°	2154.1	36.1
0°-60°	3813.7	63.9
0°-90°	5369.7	90.0
90°-120°	523.7	8.8
90°-150°	594.7	10.0
90°-180°	595.0	10.0
0°-180°	5964.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1760	1760	1760	1760	1760	
5°	1760	1755	1740	1757	1754	167
15°	1661	1666	1661	1677	1679	468
25°	1480	1498	1505	1531	1534	681
35°	1247	1277	1311	1350	1364	781
45°	991	1040	1108	1176	1203	764
55°	726	802	906	1003	1044	652
65°	476	573	705	822	871	472
75°	238	354	507	636	684	255
85°	53	178	342	468	513	60
90°	1	126	281	400	443	3
95°	1	100	239	345	383	1
105°	2	64	181	261	290	2
115°	2	8	126	197	221	1
125°	2	2	53	123	147	1
135°	2	1	1	39	57	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°	1759.7	1759.7	1759.7	1759.7	1759.7
2.5°	1768.6	1762.7	1745.6	1760.4	1756.7
5°	1759.7	1755.2	1740.4	1756.7	1753.8
7.5°	1742.6	1741.9	1730.0	1747.1	1741.9
10°	1721.8	1722.6	1712.9	1730.0	1724.8
12.5°	1693.6	1696.6	1689.9	1706.2	1705.5
15°	1660.9	1666.1	1660.9	1677.3	1678.7
17.5°	1623.8	1631.9	1628.2	1648.3	1646.1
20°	1577.7	1588.9	1591.8	1611.9	1611.1
22.5°	1531.7	1545.8	1551.0	1571.8	1574.7
25°	1480.4	1497.5	1504.9	1530.9	1533.9
27.5°	1424.7	1447.0	1460.4	1486.4	1493.0
30°	1368.2	1392.0	1415.8	1441.8	1447.7
32.5°	1309.6	1335.6	1363.0	1398.7	1405.4
35°	1247.2	1276.9	1311.1	1350.4	1364.5
37.5°	1188.5	1221.9	1262.0	1308.1	1322.9
40°	1125.4	1159.5	1209.3	1261.3	1285.1
42.5°	1054.8	1100.8	1160.3	1222.7	1243.5
45°	990.9	1039.9	1107.5	1175.9	1202.6
47.5°	924.1	981.2	1057.8	1133.5	1162.5
50°	859.4	921.8	1008.7	1090.4	1125.4
52.5°	792.6	863.1	957.5	1048.1	1080.8
55°	726.5	801.5	905.5	1002.8	1044.4
57.5°	667.0	743.5	858.7	958.2	1000.6
60°	600.2	688.6	805.9	912.9	957.5
62.5°	538.5	628.4	753.9	867.6	912.2
65°	476.1	572.7	704.9	821.5	870.6
67.5°	417.5	514.8	655.2	776.2	823.0
70°	355.1	460.5	603.9	728.7	776.2
72.5°	297.9	406.3	556.4	682.6	733.9
75°	238.4	354.3	506.6	635.8	684.1
77.5°	185.7	303.8	462.0	592.0	640.3
80°	134.4	257.8	417.5	548.2	595.0
82.5°	91.4	215.4	378.1	508.1	554.1
85°	52.7	177.5	341.7	468.0	513.3
87.5°	20.1	147.8	309.0	433.1	474.7
90°	0.7	125.5	280.8	400.4	442.7
92.5°	0.7	109.9	259.2	370.7	410.0
95°	0.7	99.5	239.2	344.7	383.3
97.5°	1.5	91.4	221.4	321.6	355.8
100°	1.5	83.2	206.5	299.4	332.0
102.5°	1.5	75.0	193.1	279.3	309.7
105°	1.5	63.9	181.2	260.7	290.4
107.5°	1.5	49.8	167.9	245.1	271.1
110°	1.5	36.4	153.8	229.5	254.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	22.3	141.1	213.9	238.4
115°	1.5	8.2	125.5	196.8	221.4
117.5°	1.5	3.0	107.0	180.5	202.0
120°	1.5	2.2	89.1	162.7	184.2
122.5°	1.5	2.2	70.6	143.4	166.4
125°	1.5	2.2	52.7	122.6	147.1
127.5°	1.5	1.5	34.2	101.0	123.3
130°	1.5	1.5	16.3	80.2	101.8
132.5°	1.5	1.5	0.7	58.7	79.5
135°	1.5	0.7	0.7	38.6	57.2
137.5°	1.5	0.7	0.0	18.6	37.1
140°	1.5	0.7	0.0	0.0	14.9
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)