

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: P290466

Luminaire Tested: **4SSRK-SLW-60-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290466
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: 4SSRK-SLW-60-L840-CD1-U
Description: 6000 LUMEN, 4 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: 6013.9 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

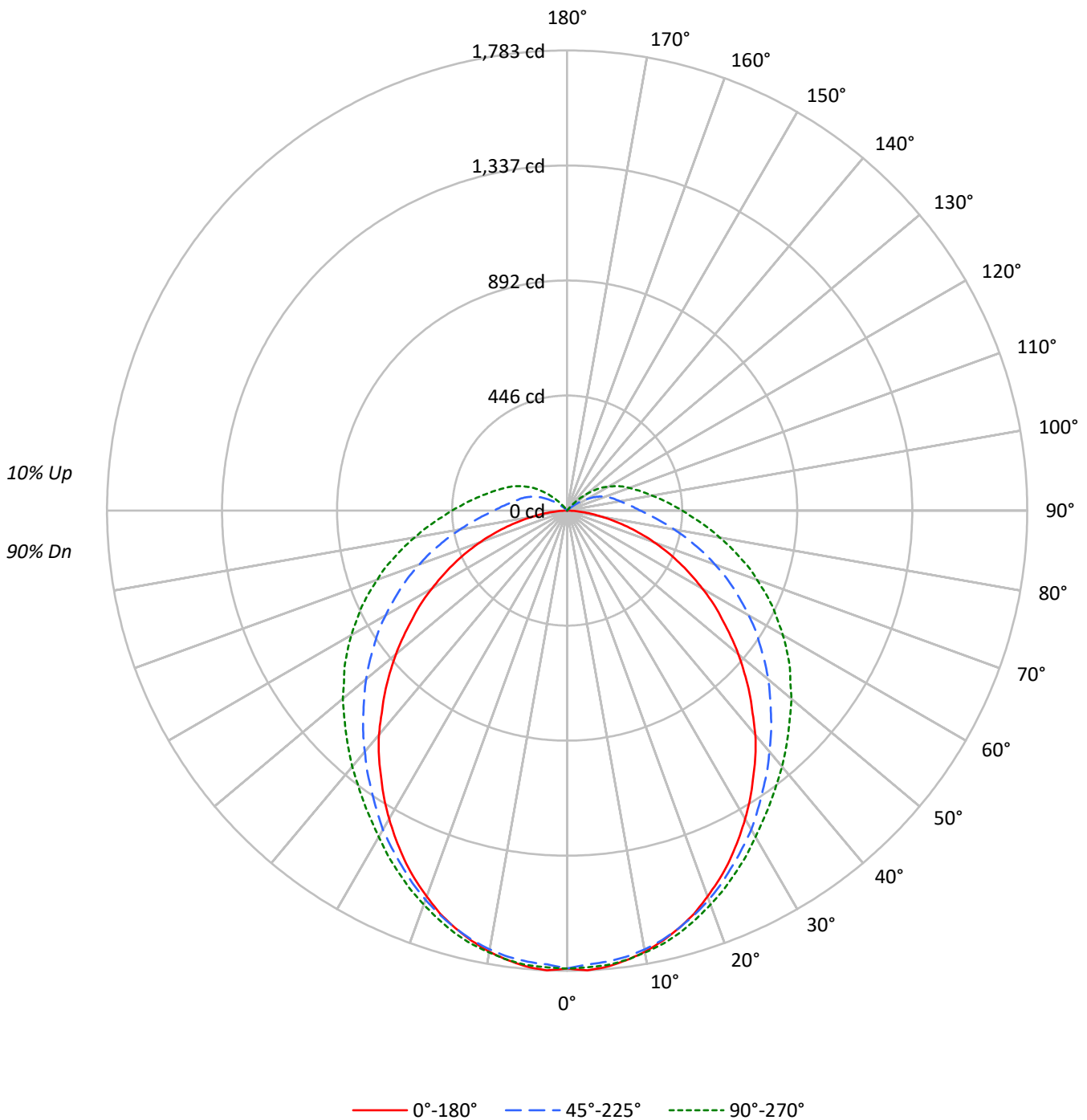
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	114590	114590	114590
5°	114609	91008	84920
10°	113022	75311	66879
15°	110736	63413	54627
20°	107699	54068	45462
25°	104342	46355	38465
30°	100465	40172	32893
35°	96332	34727	28541
40°	92432	30251	25075
45°	87602	26438	22150
50°	82951	23194	19769
55°	77845	20231	17665
60°	72909	17640	15728
65°	67349	15237	14005
70°	60657	12989	12327
75°	51914	10926	10806
80°	40793	9097	9420
85°	26704	7583	8208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	2.8
10°-20°	474.2	7.9
20°-30°	701.6	11.7
30°-40°	828.6	13.8
40°-50°	861.3	14.3
50°-60°	812.1	13.5
60°-70°	692.2	11.5
70°-80°	523.5	8.7
80°-90°	353.2	5.9
90°-100°	242.5	4.0
100°-110°	173.9	2.9
110°-120°	111.6	1.9
120°-130°	56.9	0.9
130°-140°	14.4	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°	1343.4	22.3
0°-40°	2172.0	36.1
0°-60°	3845.4	63.9
0°-90°	5414.3	90.0
90°-120°	528.0	8.8
90°-150°	599.6	10.0
90°-180°	600.0	10.0
0°-180°	6013.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1774	1774	1774	1774	1774	
5°	1774	1770	1755	1771	1768	168
15°	1675	1680	1675	1691	1693	472
25°	1493	1510	1517	1544	1547	687
35°	1258	1288	1322	1362	1376	788
45°	999	1049	1117	1186	1213	771
55°	732	808	913	1011	1053	657
65°	480	578	711	828	878	476
75°	240	357	511	641	690	257
85°	53	179	344	472	518	61
90°	1	127	283	404	446	3
95°	1	100	241	348	386	1
105°	2	64	183	263	293	2
115°	2	8	127	198	223	1
125°	2	2	53	124	148	1
135°	2	1	1	39	58	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°	1774.3	1774.3	1774.3	1774.3	1774.3
2.5°	1783.3	1777.3	1760.1	1775.1	1771.3
5°	1774.3	1769.8	1754.8	1771.3	1768.3
7.5°	1757.1	1756.3	1744.4	1761.6	1756.3
10°	1736.1	1736.9	1727.1	1744.4	1739.1
12.5°	1707.7	1710.7	1703.9	1720.4	1719.6
15°	1674.7	1679.9	1674.7	1691.2	1692.7
17.5°	1637.3	1645.5	1641.7	1662.0	1659.7
20°	1590.8	1602.1	1605.0	1625.3	1624.5
22.5°	1544.4	1558.6	1563.9	1584.8	1587.8
25°	1492.7	1509.9	1517.4	1543.6	1546.6
27.5°	1436.5	1459.0	1472.5	1498.7	1505.4
30°	1379.6	1403.6	1427.5	1453.8	1459.7
32.5°	1320.4	1346.7	1374.4	1410.3	1417.1
35°	1257.5	1287.5	1321.9	1361.6	1375.9
37.5°	1198.4	1232.1	1272.5	1318.9	1333.9
40°	1134.7	1169.1	1219.3	1271.8	1295.7
42.5°	1063.5	1110.0	1169.9	1232.8	1253.8
45°	999.1	1048.6	1116.7	1185.6	1212.6
47.5°	931.7	989.4	1066.5	1142.9	1172.1
50°	866.6	929.5	1017.1	1099.5	1134.7
52.5°	799.2	870.3	965.4	1056.8	1089.8
55°	732.5	808.1	913.0	1011.1	1053.1
57.5°	672.6	749.7	865.8	966.2	1008.9
60°	605.2	694.3	812.6	920.5	965.4
62.5°	543.0	633.6	760.2	874.8	919.7
65°	480.1	577.5	710.8	828.4	877.8
67.5°	420.9	519.0	660.6	782.7	829.9
70°	358.0	464.4	608.9	734.7	782.7
72.5°	300.3	409.7	561.0	688.3	740.0
75°	240.4	357.3	510.8	641.1	689.8
77.5°	187.2	306.3	465.9	596.9	645.6
80°	135.6	259.9	420.9	552.7	599.9
82.5°	92.1	217.2	381.2	512.3	558.7
85°	53.2	179.0	344.5	471.9	517.5
87.5°	20.2	149.0	311.6	436.7	478.6
90°	0.7	126.6	283.1	403.7	446.4
92.5°	0.7	110.8	261.4	373.7	413.4
95°	0.7	100.4	241.2	347.5	386.5
97.5°	1.5	92.1	223.2	324.3	358.8
100°	1.5	83.9	208.2	301.8	334.8
102.5°	1.5	75.6	194.7	281.6	312.3
105°	1.5	64.4	182.7	262.9	292.8
107.5°	1.5	50.2	169.3	247.2	273.4
110°	1.5	36.7	155.0	231.4	256.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	22.5	142.3	215.7	240.4
115°	1.5	8.2	126.6	198.5	223.2
117.5°	1.5	3.0	107.9	182.0	203.7
120°	1.5	2.2	89.9	164.0	185.7
122.5°	1.5	2.2	71.2	144.6	167.8
125°	1.5	2.2	53.2	123.6	148.3
127.5°	1.5	1.5	34.5	101.9	124.3
130°	1.5	1.5	16.5	80.9	102.6
132.5°	1.5	1.5	0.7	59.2	80.1
135°	1.5	0.7	0.7	38.9	57.7
137.5°	1.5	0.7	0.0	18.7	37.4
140°	1.5	0.7	0.0	0.0	15.0
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)