

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: P290500

Luminaire Tested: **8SSRK-SLW-80-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290500
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-80-L930-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6344.6 lumens
Efficiency: N/A
Efficacy: 112.0 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

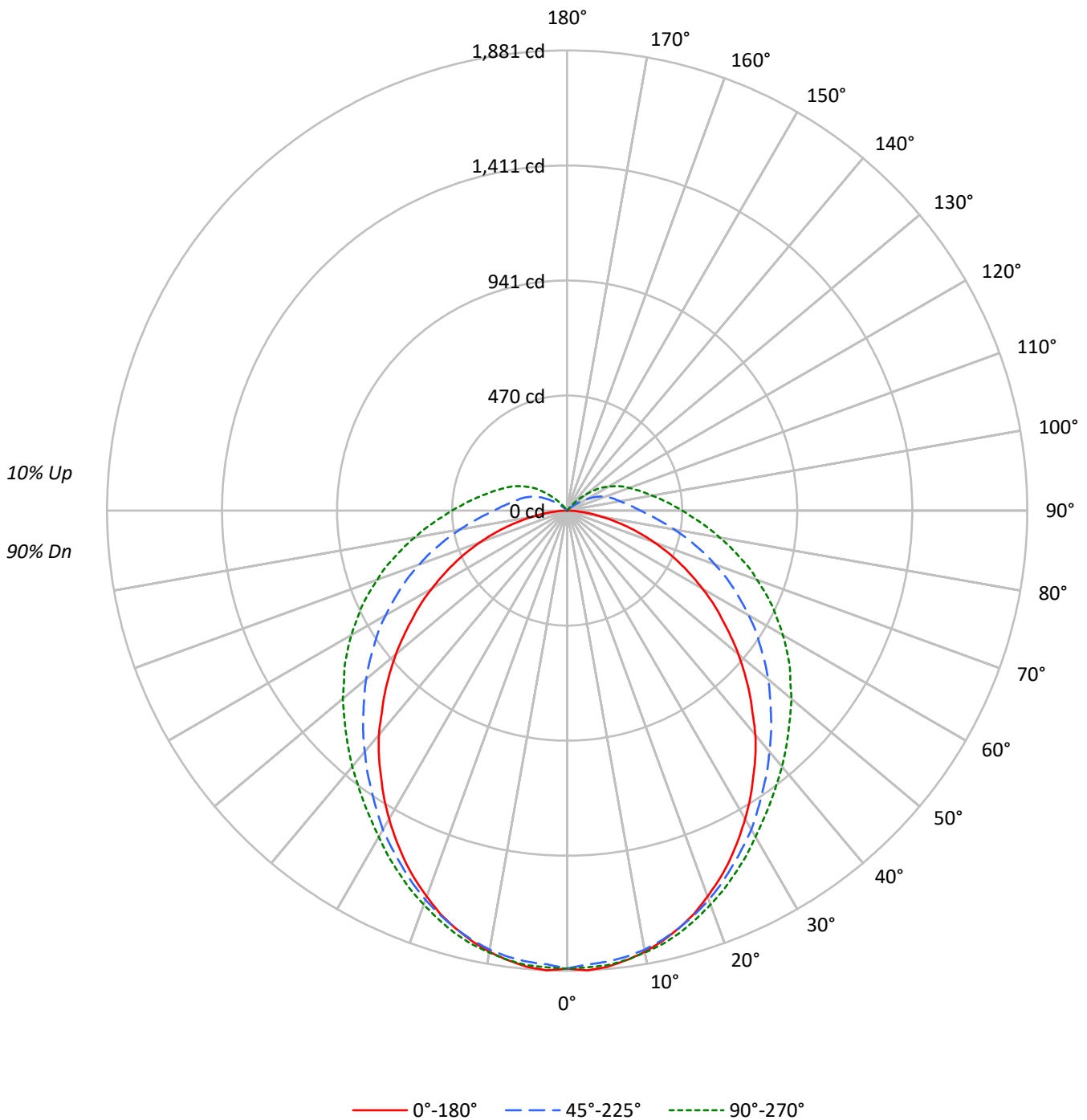
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	60446	60446	60446
5°	60567	48056	44796
10°	59838	39796	35278
15°	58737	33525	28814
20°	57239	28596	23980
25°	55570	24525	20291
30°	53626	21259	17351
35°	51547	18382	15054
40°	49595	16016	13227
45°	47155	13999	11684
50°	44814	12283	10428
55°	42250	10716	9318
60°	39794	9345	8297
65°	37046	8073	7388
70°	33730	6883	6502
75°	29358	5791	5700
80°	23782	4823	4969
85°	16788	4021	4330



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	2.8
10°-20°	500.3	7.9
20°-30°	740.1	11.7
30°-40°	874.1	13.8
40°-50°	908.7	14.3
50°-60°	856.7	13.5
60°-70°	730.3	11.5
70°-80°	552.3	8.7
80°-90°	372.6	5.9
90°-100°	255.8	4.0
100°-110°	183.5	2.9
110°-120°	117.7	1.9
120°-130°	60.1	0.9
130°-140°	15.3	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°	1417.3	22.3
0°-40°	2291.4	36.1
0°-60°	4056.8	63.9
0°-90°	5712.0	90.0
90°-120°	557.1	8.8
90°-150°	632.6	10.0
90°-180°	633.0	10.0
0°-180°	6344.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1872	1867	1851	1869	1866	177
15°	1767	1772	1767	1784	1786	497
25°	1575	1593	1601	1628	1632	724
35°	1327	1358	1395	1436	1452	831
45°	1054	1106	1178	1251	1279	813
55°	773	853	963	1067	1111	693
65°	506	609	750	874	926	502
75°	254	377	539	676	728	271
85°	56	189	364	498	546	64
90°	1	134	299	426	471	3
95°	1	106	254	367	408	1
105°	2	68	193	277	309	2
115°	2	9	134	209	236	2
125°	2	2	56	130	156	1
135°	2	1	1	41	61	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°	1871.9	1871.9	1871.9	1871.9	1871.9
2.5°	1881.4	1875.0	1856.9	1872.7	1868.7
5°	1871.9	1867.1	1851.3	1868.7	1865.6
7.5°	1853.7	1852.9	1840.3	1858.4	1852.9
10°	1831.6	1832.4	1822.1	1840.3	1834.7
12.5°	1801.6	1804.7	1797.6	1815.0	1814.2
15°	1766.8	1772.3	1766.8	1784.2	1785.7
17.5°	1727.3	1736.0	1732.0	1753.4	1751.0
20°	1678.3	1690.1	1693.3	1714.6	1713.8
22.5°	1629.3	1644.3	1649.8	1672.0	1675.1
25°	1574.8	1593.0	1600.9	1628.5	1631.7
27.5°	1515.5	1539.2	1553.4	1581.1	1588.2
30°	1455.5	1480.7	1506.0	1533.7	1540.0
32.5°	1393.0	1420.7	1449.9	1487.9	1495.0
35°	1326.7	1358.3	1394.6	1436.5	1451.5
37.5°	1264.2	1299.8	1342.5	1391.5	1407.3
40°	1197.1	1233.4	1286.4	1341.7	1367.0
42.5°	1122.0	1171.0	1234.2	1300.6	1322.7
45°	1054.1	1106.2	1178.1	1250.8	1279.3
47.5°	983.0	1043.8	1125.2	1205.8	1236.6
50°	914.2	980.6	1073.0	1159.9	1197.1
52.5°	843.1	918.2	1018.5	1114.9	1149.7
55°	772.8	852.6	963.2	1066.7	1111.0
57.5°	709.6	790.9	913.4	1019.3	1064.3
60°	638.4	732.5	857.3	971.1	1018.5
62.5°	572.9	668.5	802.0	922.9	970.3
65°	506.5	609.2	749.9	873.9	926.1
67.5°	444.1	547.6	696.9	825.7	875.5
70°	377.7	489.9	642.4	775.1	825.7
72.5°	316.9	432.2	591.8	726.2	780.7
75°	253.6	376.9	538.9	676.4	727.7
77.5°	197.5	323.2	491.5	629.8	681.1
80°	143.0	274.2	444.1	583.1	632.9
82.5°	97.2	229.1	402.2	540.5	589.5
85°	56.1	188.8	363.5	497.8	546.0
87.5°	21.3	157.2	328.7	460.7	504.9
90°	0.8	133.5	298.7	425.9	470.9
92.5°	0.8	116.9	275.8	394.3	436.2
95°	0.8	105.9	254.4	366.6	407.7
97.5°	1.6	97.2	235.5	342.1	378.5
100°	1.6	88.5	219.7	318.4	353.2
102.5°	1.6	79.8	205.4	297.1	329.5
105°	1.6	68.0	192.8	277.3	309.0
107.5°	1.6	52.9	178.6	260.8	288.4
110°	1.6	38.7	163.6	244.2	271.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	23.7	150.1	227.6	253.6
115°	1.6	8.7	133.5	209.4	235.5
117.5°	1.6	3.2	113.8	192.0	214.9
120°	1.6	2.4	94.8	173.0	196.0
122.5°	1.6	2.4	75.1	152.5	177.0
125°	1.6	2.4	56.1	130.4	156.5
127.5°	1.6	1.6	36.3	107.5	131.2
130°	1.6	1.6	17.4	85.3	108.3
132.5°	1.6	1.6	0.8	62.4	84.5
135°	1.6	0.8	0.8	41.1	60.8
137.5°	1.6	0.8	0.0	19.8	39.5
140°	1.6	0.8	0.0	0.0	15.8
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)