

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: P290468

Luminaire Tested: **4SSRK-SLW-80-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290468
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-80-L930-CD1-U
Description: 8000 LUMEN, 4 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: 6248.2 lumens
Efficiency: N/A
Efficacy: 99.3 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

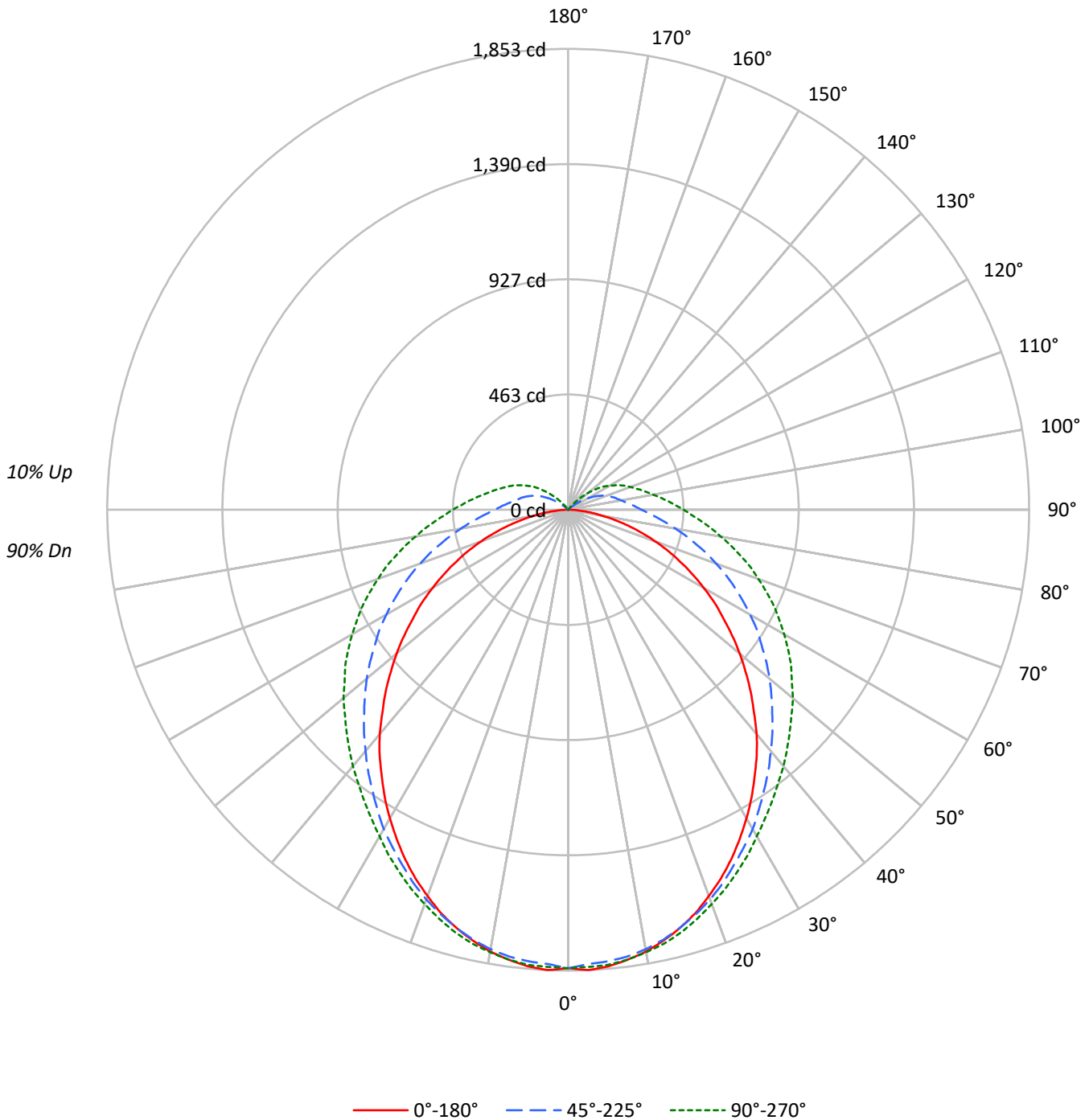
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	119052	119052	119052
5°	119073	94556	88229
10°	117429	78246	69486
15°	115047	65882	56754
20°	111896	56177	47233
25°	108410	48160	39964
30°	104383	41739	34175
35°	100086	36080	29652
40°	96032	31430	26052
45°	91021	27467	23013
50°	86177	24097	20539
55°	80874	21019	18353
60°	75741	18329	16341
65°	69972	15831	14551
70°	63029	13495	12807
75°	53944	11352	11228
80°	42357	9452	9787
85°	27708	7878	8528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	2.8
10°-20°	492.7	7.9
20°-30°	728.9	11.7
30°-40°	860.8	13.8
40°-50°	894.9	14.3
50°-60°	843.7	13.5
60°-70°	719.2	11.5
70°-80°	543.9	8.7
80°-90°	367.0	5.9
90°-100°	252.0	4.0
100°-110°	180.7	2.9
110°-120°	115.9	1.9
120°-130°	59.1	0.9
130°-140°	15.0	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°	1395.8	22.3
0°-40°	2256.6	36.1
0°-60°	3995.2	63.9
0°-90°	5625.2	90.0
90°-120°	548.6	8.8
90°-150°	623.0	10.0
90°-180°	623.0	10.0
0°-180°	6248.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1843	1843	1843	1843	1843	
5°	1843	1839	1823	1840	1837	175
15°	1740	1745	1740	1757	1759	490
25°	1551	1569	1576	1604	1607	713
35°	1306	1338	1373	1415	1430	818
45°	1038	1089	1160	1232	1260	801
55°	761	840	949	1050	1094	683
65°	499	600	738	861	912	495
75°	250	371	531	666	717	267
85°	55	186	358	490	538	63
90°	1	132	294	419	464	3
95°	1	104	251	361	402	1
105°	2	67	190	273	304	2
115°	2	9	132	206	232	2
125°	2	2	55	128	154	1
135°	2	1	1	40	60	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°	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1852.8	1846.6	1828.7	1844.2	1840.3
5°	1843.4	1838.8	1823.2	1840.3	1837.2
7.5°	1825.5	1824.8	1812.3	1830.2	1824.8
10°	1803.8	1804.5	1794.4	1812.3	1806.9
12.5°	1774.2	1777.3	1770.3	1787.4	1786.6
15°	1739.9	1745.4	1739.9	1757.1	1758.6
17.5°	1701.0	1709.6	1705.7	1726.7	1724.4
20°	1652.8	1664.5	1667.6	1688.6	1687.8
22.5°	1604.5	1619.3	1624.8	1646.6	1649.7
25°	1550.9	1568.8	1576.5	1603.8	1606.9
27.5°	1492.5	1515.8	1529.8	1557.1	1564.1
30°	1433.4	1458.3	1483.2	1510.4	1516.6
32.5°	1371.9	1399.1	1427.9	1465.3	1472.3
35°	1306.5	1337.6	1373.4	1414.7	1429.5
37.5°	1245.0	1280.1	1322.1	1370.3	1385.9
40°	1178.9	1214.7	1266.8	1321.3	1346.2
42.5°	1105.0	1153.2	1215.5	1280.8	1302.6
45°	1038.1	1089.4	1160.2	1231.8	1259.8
47.5°	968.0	1027.9	1108.1	1187.5	1217.8
50°	900.3	965.7	1056.7	1142.3	1178.9
52.5°	830.3	904.2	1003.0	1098.0	1132.2
55°	761.0	839.6	948.6	1050.5	1094.1
57.5°	698.8	778.9	899.5	1003.8	1048.2
60°	628.7	721.3	844.3	956.3	1003.0
62.5°	564.2	658.3	789.8	908.9	955.6
65°	498.8	600.0	738.5	860.6	912.0
67.5°	437.3	539.3	686.3	813.2	862.2
70°	372.0	482.5	632.6	763.4	813.2
72.5°	312.0	425.6	582.8	715.1	768.8
75°	249.8	371.2	530.7	666.1	716.7
77.5°	194.5	318.3	484.0	620.2	670.8
80°	140.8	270.0	437.3	574.3	623.3
82.5°	95.7	225.7	396.1	532.3	580.5
85°	55.2	186.0	357.9	490.2	537.7
87.5°	21.0	154.9	323.7	453.7	497.2
90°	0.8	131.5	294.1	419.4	463.8
92.5°	0.8	115.2	271.6	388.3	429.5
95°	0.8	104.3	250.6	361.1	401.5
97.5°	1.6	95.7	231.9	336.9	372.7
100°	1.6	87.2	216.3	313.6	347.8
102.5°	1.6	78.6	202.3	292.6	324.5
105°	1.6	66.9	189.9	273.1	304.3
107.5°	1.6	52.1	175.9	256.8	284.0
110°	1.6	38.1	161.1	240.4	266.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	23.3	147.8	224.1	249.8
115°	1.6	8.6	131.5	206.2	231.9
117.5°	1.6	3.1	112.1	189.1	211.7
120°	1.6	2.3	93.4	170.4	193.0
122.5°	1.6	2.3	73.9	150.2	174.3
125°	1.6	2.3	55.2	128.4	154.1
127.5°	1.6	1.6	35.8	105.8	129.2
130°	1.6	1.6	17.1	84.0	106.6
132.5°	1.6	1.6	0.8	61.5	83.3
135°	1.6	0.8	0.8	40.5	59.9
137.5°	1.6	0.8	0.0	19.5	38.9
140°	1.6	0.8	0.0	0.0	15.6
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)