

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: P290132

Luminaire Tested: **8SSRK-LN-50-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LN-50-L930-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4087.8 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

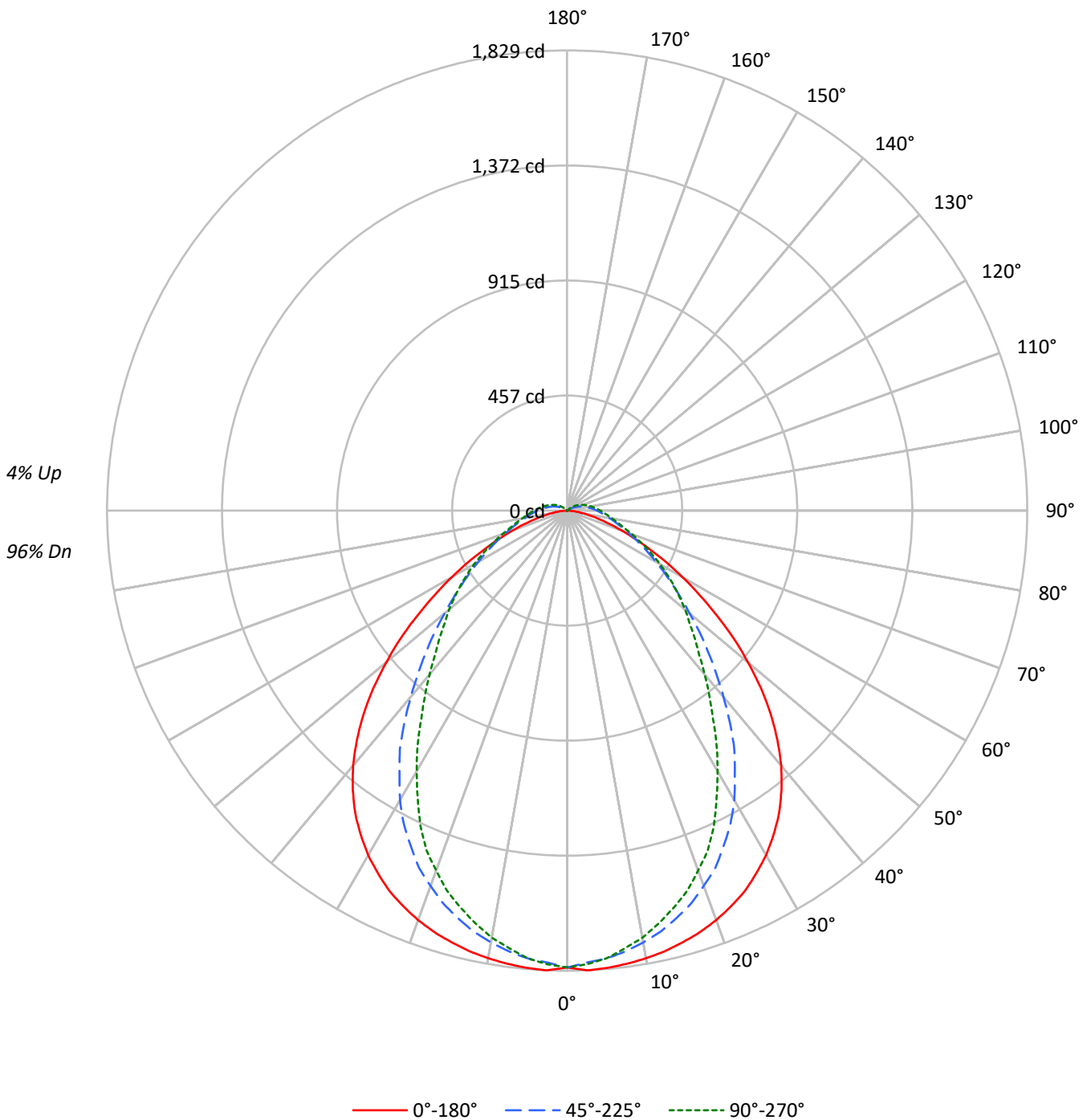
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58635	58635	58635
5°	59030	46384	42907
10°	59021	38061	33140
15°	59053	31827	26366
20°	59074	26808	21304
25°	58915	22536	17163
30°	58272	18757	13471
35°	57065	15278	10486
40°	54832	12031	8238
45°	51226	9403	6547
50°	45951	7270	5331
55°	39610	5658	4330
60°	32993	4439	3482
65°	26301	3494	2750
70°	20522	2767	2162
75°	15362	2247	1721
80°	11109	1854	1427
85°	6913	1563	1217



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	4.2
10°-20°	477.4	11.7
20°-30°	688.0	16.8
30°-40°	745.2	18.2
40°-50°	660.0	16.1
50°-60°	502.2	12.3
60°-70°	334.6	8.2
70°-80°	206.7	5.1
80°-90°	129.5	3.2
90°-100°	85.1	2.1
100°-110°	52.2	1.3
110°-120°	26.9	0.7
120°-130°	8.8	0.2
130°-140°	0.5	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1335.8	32.7
0°-40°	2081.0	50.9
0°-60°	3243.3	79.3
0°-90°	3914.2	95.8
90°-120°	164.2	4.0
90°-150°	173.6	4.2
90°-180°	174.0	4.3
0°-180°	4087.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1816	1816	1816	1816	1816	
5°	1824	1813	1787	1794	1787	174
15°	1776	1743	1677	1655	1634	502
25°	1670	1591	1471	1408	1380	768
35°	1469	1331	1159	1050	1011	915
45°	1145	966	791	731	717	878
55°	724	591	509	515	516	651
65°	360	315	324	343	345	363
75°	133	162	209	223	220	147
85°	23	83	141	156	153	28
90°	1	61	118	133	132	2
95°	2	43	98	113	112	2
105°	1	17	61	78	80	2
115°	1	1	31	49	53	1
125°	1	1	1	21	26	1
135°	0	0	0	0	0	0
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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CATALOG NUMBER: 8SSRK-LN-50-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1815.8	1815.8	1815.8	1815.8	1815.8
2.5°	1829.2	1819.1	1798.5	1810.5	1804.7
5°	1824.4	1812.9	1786.9	1793.7	1786.9
7.5°	1816.7	1802.3	1767.7	1770.6	1754.7
10°	1806.6	1787.4	1742.7	1737.9	1723.5
12.5°	1793.7	1766.7	1714.3	1695.1	1681.2
15°	1776.3	1742.7	1677.3	1654.7	1634.0
17.5°	1756.6	1713.4	1637.4	1610.0	1585.5
20°	1732.1	1677.8	1587.4	1549.4	1522.5
22.5°	1702.3	1638.9	1537.9	1482.6	1461.0
25°	1669.6	1591.3	1471.1	1408.1	1380.2
27.5°	1626.8	1538.9	1405.2	1326.4	1286.5
30°	1581.6	1476.8	1328.8	1237.9	1195.6
32.5°	1527.3	1409.1	1240.3	1143.7	1106.2
35°	1468.7	1331.2	1159.1	1049.9	1011.0
37.5°	1399.4	1247.0	1062.4	962.4	928.3
40°	1323.5	1155.7	966.3	878.3	851.4
42.5°	1237.0	1062.9	875.9	800.0	776.9
45°	1145.1	965.8	791.3	731.2	716.8
47.5°	1045.1	868.7	712.0	669.2	658.6
50°	937.4	771.6	635.1	611.5	612.0
52.5°	835.1	679.8	569.7	563.4	562.0
55°	724.5	591.3	508.6	514.9	516.3
57.5°	624.5	509.1	456.7	468.2	469.7
60°	529.3	435.6	407.2	425.0	427.4
62.5°	442.3	372.6	364.9	383.2	382.7
65°	359.6	315.4	324.5	343.3	344.7
67.5°	289.4	268.7	290.8	307.2	306.2
70°	229.8	226.9	258.2	275.5	274.5
72.5°	178.8	191.8	232.7	247.6	243.7
75°	132.7	161.5	209.1	223.1	219.7
77.5°	97.6	136.5	188.5	201.9	199.5
80°	66.8	115.9	170.7	184.6	181.7
82.5°	42.8	98.6	155.3	168.7	166.8
85°	23.1	83.2	141.3	155.8	153.4
87.5°	8.7	70.7	128.8	143.3	142.3
90°	1.0	60.6	117.8	132.7	131.7
92.5°	1.4	51.4	107.2	122.6	122.6
95°	2.4	42.8	97.6	113.0	112.5
97.5°	1.9	36.1	87.0	103.8	103.8
100°	1.9	29.8	77.4	94.2	95.2
102.5°	1.9	23.6	69.2	85.6	87.5
105°	1.4	16.8	61.1	77.9	79.8
107.5°	1.4	9.6	52.9	70.7	73.1
110°	1.4	2.4	45.7	63.0	65.9



TEST NUMBER: P290132

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	1.4	38.5	55.8	58.7
115°	1.4	1.4	31.2	48.6	52.9
117.5°	1.0	1.0	23.1	42.3	46.2
120°	1.0	1.0	14.4	35.6	39.4
122.5°	1.0	1.0	6.2	28.4	33.7
125°	1.0	1.0	1.0	21.2	26.4
127.5°	1.0	1.0	0.5	12.5	18.7
130°	1.0	1.0	0.5	4.8	11.5
132.5°	1.0	1.0	0.5	0.5	3.4
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)