

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: P#

Luminaire Tested: **8SRL-LD5-67SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-67SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

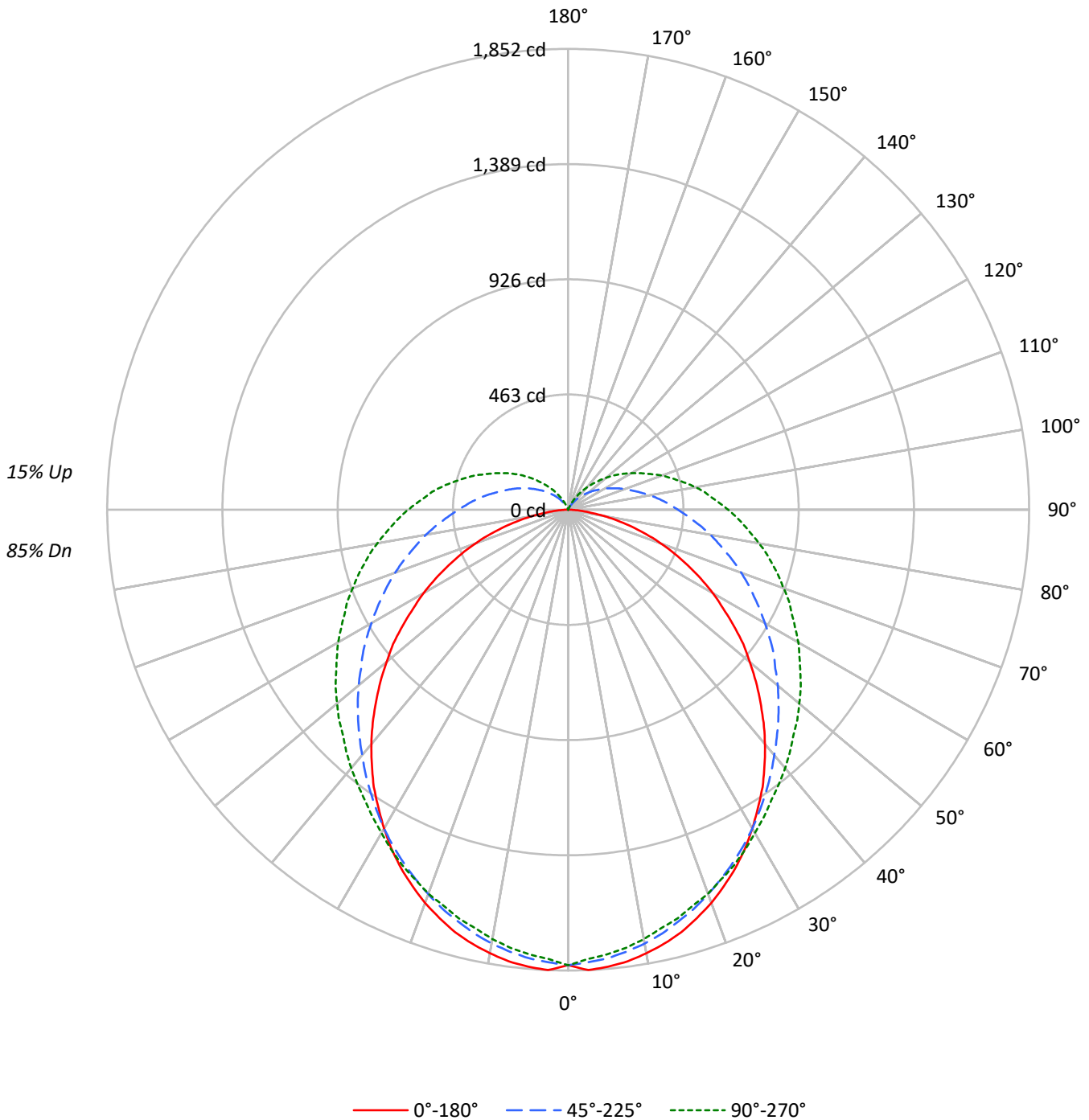
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7044.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 53.6
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85				
1	103	97	92	87	98	93	88	84	86	82	79	80	76	74	74	71	69	66				
2	92	83	75	69	88	80	73	67	74	68	63	68	64	59	63	59	56	53				
3	84	72	63	56	80	70	61	55	64	58	52	60	54	49	55	51	47	44				
4	76	64	54	47	73	61	53	46	57	50	44	53	47	42	49	44	40	37				
5	70	57	47	40	67	55	46	39	51	43	38	47	41	36	44	38	34	32				
6	65	51	42	35	62	49	40	34	46	38	33	43	36	31	40	34	30	27				
7	60	46	37	31	57	44	36	30	42	34	29	39	32	28	36	31	26	24				
8	56	42	33	27	53	41	32	27	38	31	26	36	29	25	33	28	24	21				
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	25	21	19				
10	49	35	27	22	47	34	27	22	32	25	21	30	24	20	29	23	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10748	10748	10748
5°	10845	10229	9990
10°	10746	9719	9346
15°	10617	9208	8765
20°	10418	8727	8255
25°	10188	8265	7790
30°	9899	7826	7344
35°	9603	7400	6959
40°	9251	7005	6665
45°	8858	6662	6376
50°	8467	6349	6167
55°	8036	6078	5969
60°	7585	5811	5817
65°	7018	5594	5669
70°	6398	5427	5581
75°	5539	5276	5527
80°	4322	5205	5509
85°	2663	5189	5534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.2	2.4
10°-20°	486.1	6.9
20°-30°	726.0	10.3
30°-40°	870.1	12.4
40°-50°	920.4	13.1
50°-60°	888.9	12.6
60°-70°	790.7	11.2
70°-80°	650.1	9.2
80°-90°	497.2	7.1
90°-100°	373.9	5.3
100°-110°	272.9	3.9
110°-120°	186.9	2.7
120°-130°	116.6	1.7
130°-140°	62.2	0.9
140°-150°	25.0	0.4
150°-160°	4.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1384.4	19.7
0°-40°	2254.5	32.0
0°-60°	4063.8	57.7
0°-90°	6001.7	85.2
90°-120°	833.7	11.8
90°-150°	1037.5	14.7
90°-180°	1042.0	14.8
0°-180°	7044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1831	1831	1831	1831	1831	
5°	1844	1833	1810	1807	1794	175
15°	1757	1739	1713	1713	1700	495
25°	1589	1574	1566	1584	1576	731
35°	1361	1356	1385	1424	1424	850
45°	1091	1123	1193	1262	1280	843
55°	810	884	1007	1107	1138	726
65°	530	650	824	952	991	526
75°	265	438	656	805	850	281
85°	50	270	506	658	708	61
90°	0	207	441	593	643	3
95°	0	160	386	532	577	0
105°	0	100	283	414	456	0
115°	0	60	202	312	344	0
125°	0	37	136	220	246	0
135°	0	18	84	139	155	0
145°	0	5	37	71	81	0
155°	0	0	5	18	18	1
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°	1830.7	1830.7	1830.7	1830.7	1830.7
2.5°	1851.7	1841.2	1820.2	1817.6	1807.1
5°	1843.8	1833.4	1809.7	1807.1	1794.0
7.5°	1830.7	1817.6	1791.4	1788.8	1775.7
10°	1809.7	1796.6	1770.4	1767.8	1752.0
12.5°	1786.1	1773.0	1744.2	1741.6	1723.2
15°	1757.3	1738.9	1712.7	1712.7	1699.6
17.5°	1720.6	1704.8	1681.2	1683.9	1668.1
20°	1681.2	1665.5	1644.5	1652.4	1641.9
22.5°	1636.6	1618.3	1605.2	1615.7	1607.8
25°	1589.4	1573.7	1565.8	1584.2	1576.3
27.5°	1537.0	1521.2	1523.9	1542.2	1539.6
30°	1479.3	1468.8	1479.3	1502.9	1500.3
32.5°	1418.9	1413.7	1432.1	1463.5	1463.5
35°	1361.2	1356.0	1384.9	1424.2	1424.2
37.5°	1295.7	1298.3	1337.6	1382.2	1390.1
40°	1230.1	1240.6	1287.8	1342.9	1356.0
42.5°	1161.9	1180.3	1240.6	1300.9	1319.3
45°	1091.1	1122.6	1193.4	1261.6	1279.9
47.5°	1022.9	1062.2	1146.2	1224.9	1248.5
50°	952.1	999.3	1099.0	1185.5	1211.7
52.5°	886.5	941.6	1049.1	1146.2	1177.6
55°	810.5	883.9	1007.2	1106.8	1138.3
57.5°	737.0	823.6	960.0	1067.5	1101.6
60°	671.4	763.2	912.7	1030.8	1067.5
62.5°	600.6	705.5	868.2	991.4	1028.1
65°	529.8	650.5	823.6	952.1	991.4
67.5°	464.2	592.8	781.6	915.4	960.0
70°	396.0	540.3	739.6	878.6	920.6
72.5°	330.5	487.8	697.7	839.3	886.5
75°	264.9	438.0	655.7	805.2	849.8
77.5°	202.0	390.8	616.4	768.5	815.7
80°	144.3	346.2	579.6	731.8	779.0
82.5°	91.8	304.2	542.9	695.0	742.3
85°	49.8	270.2	506.2	658.3	708.2
87.5°	18.4	233.4	472.1	626.9	676.7
90°	0.0	207.2	440.6	592.8	642.6
92.5°	0.0	181.0	411.8	561.3	608.5
95°	0.0	160.0	385.6	532.4	577.0
97.5°	0.0	141.6	359.3	503.6	550.8
100°	0.0	125.9	333.1	472.1	519.3
102.5°	0.0	110.2	306.9	443.3	487.8
105°	0.0	99.7	283.3	414.4	456.4
107.5°	0.0	89.2	262.3	390.8	427.5
110°	0.0	78.7	241.3	361.9	401.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.8	222.9	338.3	369.8
115°	0.0	60.3	202.0	312.1	343.6
117.5°	0.0	55.1	186.2	288.5	317.4
120°	0.0	47.2	167.9	264.9	293.8
122.5°	0.0	42.0	152.1	241.3	270.2
125°	0.0	36.7	136.4	220.3	246.5
127.5°	0.0	31.5	123.3	199.3	222.9
130°	0.0	26.2	107.5	178.4	199.3
132.5°	0.0	21.0	94.4	157.4	178.4
135°	0.0	18.4	83.9	139.0	154.7
137.5°	0.0	13.1	70.8	120.6	136.4
140°	0.0	10.5	60.3	104.9	115.4
142.5°	0.0	7.9	47.2	86.6	99.7
145°	0.0	5.2	36.7	70.8	81.3
147.5°	0.0	2.6	26.2	57.7	62.9
150°	0.0	2.6	18.4	44.6	47.2
152.5°	0.0	0.0	13.1	31.5	31.5
155°	0.0	0.0	5.2	18.4	18.4
157.5°	2.6	0.0	2.6	7.9	7.9
160°	2.6	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)