

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-L835-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-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

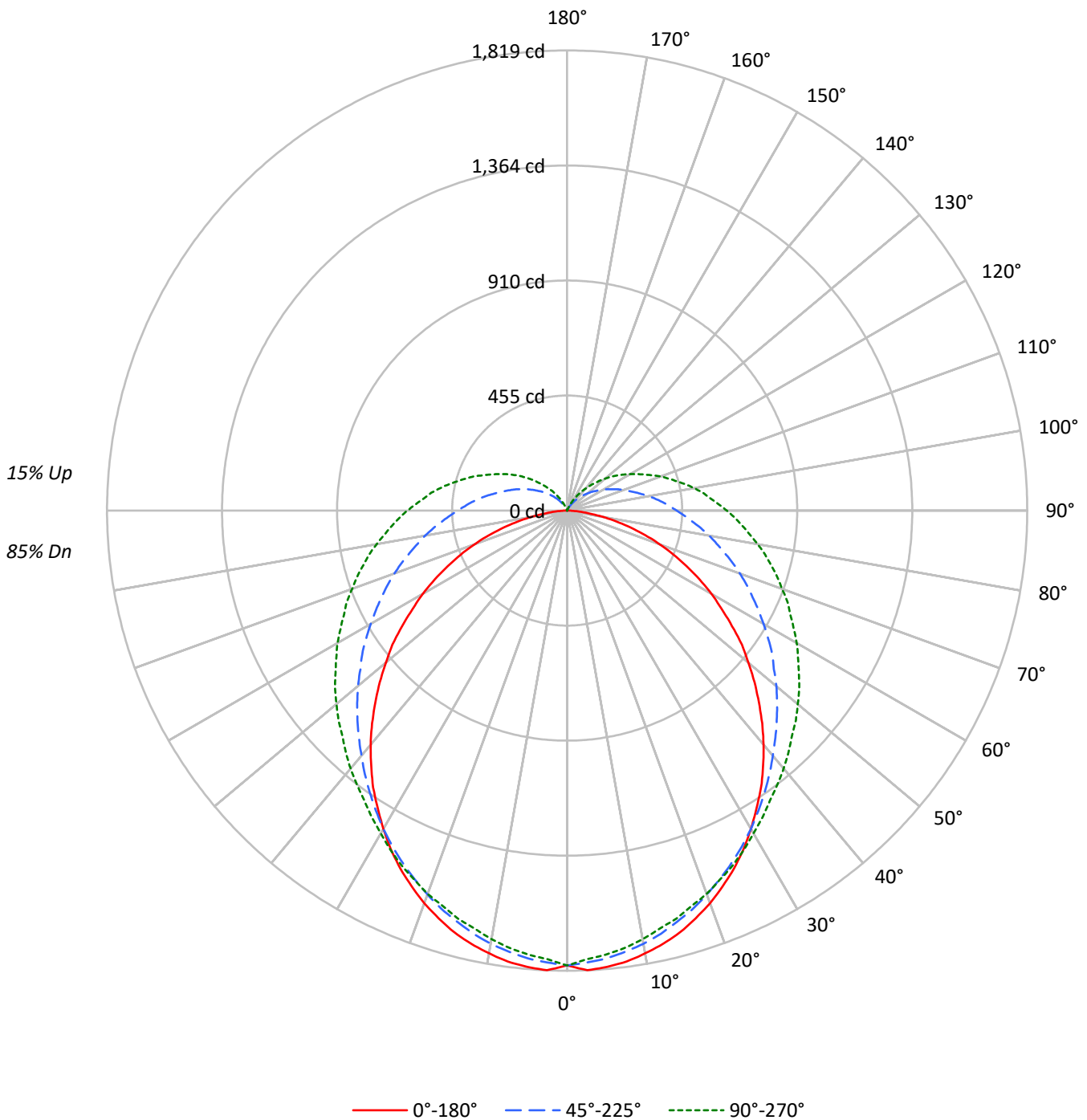
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6918.0 lumens
Efficiency: N/A
Efficacy: 129.1 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	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°	10556	10556	10556
5°	10652	10047	9812
10°	10554	9545	9179
15°	10427	9043	8608
20°	10232	8571	8108
25°	10006	8117	7650
30°	9722	7686	7213
35°	9432	7268	6835
40°	9086	6880	6545
45°	8700	6542	6262
50°	8316	6236	6058
55°	7892	5969	5862
60°	7450	5707	5713
65°	6892	5493	5567
70°	6285	5330	5481
75°	5441	5182	5428
80°	4244	5113	5410
85°	2615	5096	5435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	2.4
10°-20°	477.4	6.9
20°-30°	713.0	10.3
30°-40°	854.5	12.4
40°-50°	904.0	13.1
50°-60°	873.0	12.6
60°-70°	776.6	11.2
70°-80°	638.5	9.2
80°-90°	488.3	7.1
90°-100°	367.2	5.3
100°-110°	268.0	3.9
110°-120°	183.6	2.7
120°-130°	114.6	1.7
130°-140°	61.1	0.9
140°-150°	24.5	0.4
150°-160°	4.7	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1359.6	19.7
0°-40°	2214.1	32.0
0°-60°	3991.1	57.7
0°-90°	5894.4	85.2
90°-120°	818.7	11.8
90°-150°	1018.9	14.7
90°-180°	1024.0	14.8
0°-180°	6918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1798	1798	1798	1798	1798	
5°	1811	1801	1777	1775	1762	172
15°	1726	1708	1682	1682	1669	486
25°	1561	1546	1538	1556	1548	718
35°	1337	1332	1360	1399	1399	835
45°	1072	1102	1172	1239	1257	827
55°	796	868	989	1087	1118	713
65°	520	639	809	935	974	517
75°	260	430	644	791	835	276
85°	49	265	497	647	696	60
90°	0	204	433	582	631	2
95°	0	157	379	523	567	0
105°	0	98	278	407	448	0
115°	0	59	198	306	337	0
125°	0	36	134	216	242	0
135°	0	18	82	136	152	0
145°	0	5	36	70	80	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



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1798.0	1798.0	1798.0	1798.0	1798.0
2.5°	1818.6	1808.3	1787.7	1785.1	1774.8
5°	1810.9	1800.6	1777.4	1774.8	1761.9
7.5°	1798.0	1785.1	1759.3	1756.8	1743.9
10°	1777.4	1764.5	1738.7	1736.2	1720.7
12.5°	1754.2	1741.3	1713.0	1710.4	1692.4
15°	1725.9	1707.8	1682.1	1682.1	1669.2
17.5°	1689.8	1674.3	1651.2	1653.7	1638.3
20°	1651.2	1635.7	1615.1	1622.8	1612.5
22.5°	1607.4	1589.3	1576.5	1586.8	1579.0
25°	1561.0	1545.5	1537.8	1555.8	1548.1
27.5°	1509.5	1494.0	1496.6	1514.6	1512.1
30°	1452.8	1442.5	1452.8	1476.0	1473.4
32.5°	1393.6	1388.4	1406.4	1437.4	1437.4
35°	1336.9	1331.7	1360.1	1398.7	1398.7
37.5°	1272.5	1275.1	1313.7	1357.5	1365.2
40°	1208.1	1218.4	1264.8	1318.9	1331.7
42.5°	1141.1	1159.2	1218.4	1277.7	1295.7
45°	1071.6	1102.5	1172.0	1239.0	1257.0
47.5°	1004.6	1043.2	1125.7	1202.9	1226.1
50°	935.1	981.4	1079.3	1164.3	1190.1
52.5°	870.7	924.8	1030.4	1125.7	1156.6
55°	796.0	868.1	989.1	1087.0	1117.9
57.5°	723.8	808.8	942.8	1048.4	1081.9
60°	659.4	749.6	896.4	1012.3	1048.4
62.5°	589.9	692.9	852.6	973.7	1009.8
65°	520.3	638.8	808.8	935.1	973.7
67.5°	455.9	582.2	767.6	899.0	942.8
70°	389.0	530.6	726.4	862.9	904.1
72.5°	324.6	479.1	685.2	824.3	870.7
75°	260.2	430.2	644.0	790.8	834.6
77.5°	198.3	383.8	605.3	754.7	801.1
80°	141.7	340.0	569.3	718.7	765.0
82.5°	90.2	298.8	533.2	682.6	729.0
85°	48.9	265.3	497.2	646.6	695.5
87.5°	18.0	229.3	463.7	615.6	664.6
90°	0.0	203.5	432.8	582.2	631.1
92.5°	0.0	177.7	404.4	551.2	597.6
95°	0.0	157.1	378.7	522.9	566.7
97.5°	0.0	139.1	352.9	494.6	540.9
100°	0.0	123.6	327.1	463.7	510.0
102.5°	0.0	108.2	301.4	435.3	479.1
105°	0.0	97.9	278.2	407.0	448.2
107.5°	0.0	87.6	257.6	383.8	419.9
110°	0.0	77.3	237.0	355.5	394.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	69.5	219.0	332.3	363.2
115°	0.0	59.2	198.3	306.5	337.4
117.5°	0.0	54.1	182.9	283.3	311.7
120°	0.0	46.4	164.9	260.2	288.5
122.5°	0.0	41.2	149.4	237.0	265.3
125°	0.0	36.1	133.9	216.4	242.1
127.5°	0.0	30.9	121.1	195.8	219.0
130°	0.0	25.8	105.6	175.2	195.8
132.5°	0.0	20.6	92.7	154.6	175.2
135°	0.0	18.0	82.4	136.5	152.0
137.5°	0.0	12.9	69.5	118.5	133.9
140°	0.0	10.3	59.2	103.0	113.3
142.5°	0.0	7.7	46.4	85.0	97.9
145°	0.0	5.2	36.1	69.5	79.9
147.5°	0.0	2.6	25.8	56.7	61.8
150°	0.0	2.6	18.0	43.8	46.4
152.5°	0.0	0.0	12.9	30.9	30.9
155°	0.0	0.0	5.2	18.0	18.0
157.5°	2.6	0.0	2.6	7.7	7.7
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)