

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-LD5-88SL-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-LD5-88SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

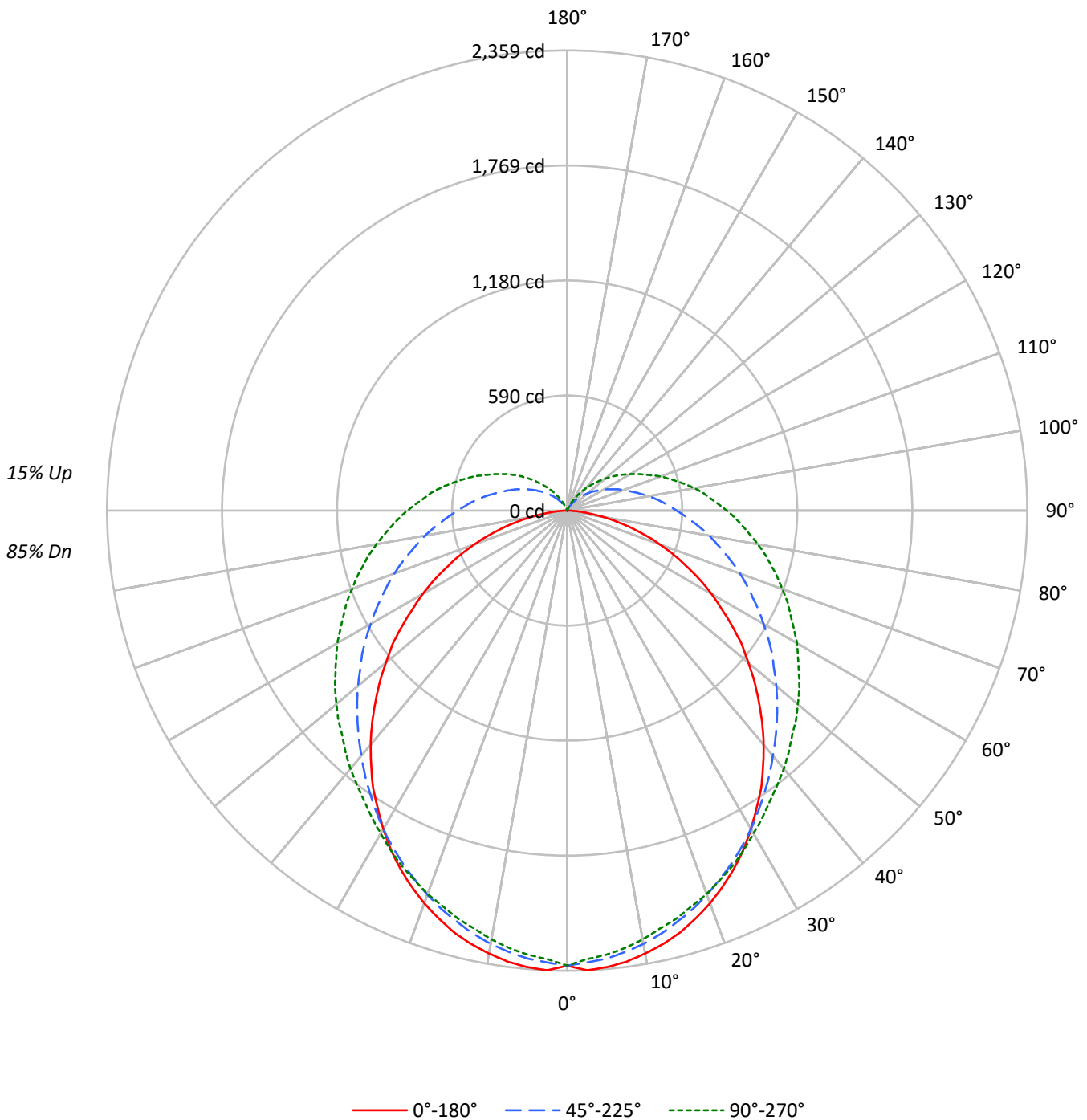
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8974.0 lumens
Efficiency: N/A
Efficacy: 122.3 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): 73.4
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	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°	13693	13693	13693
5°	13817	13033	12728
10°	13691	12382	11908
15°	13526	11731	11167
20°	13273	11118	10518
25°	12980	10530	9924
30°	12611	9970	9356
35°	12235	9428	8866
40°	11786	8924	8490
45°	11285	8487	8123
50°	10786	8089	7858
55°	10237	7743	7604
60°	9664	7403	7411
65°	8942	7126	7222
70°	8153	6915	7110
75°	7057	6722	7041
80°	5505	6633	7018
85°	3396	6610	7050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.4	2.4
10°-20°	619.3	6.9
20°-30°	924.9	10.3
30°-40°	1108.5	12.4
40°-50°	1172.6	13.1
50°-60°	1132.4	12.6
60°-70°	1007.4	11.2
70°-80°	828.2	9.2
80°-90°	633.4	7.1
90°-100°	476.3	5.3
100°-110°	347.6	3.9
110°-120°	238.1	2.7
120°-130°	148.6	1.7
130°-140°	79.3	0.9
140°-150°	31.8	0.4
150°-160°	6.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1763.7	19.7
0°-40°	2872.2	32.0
0°-60°	5177.2	57.7
0°-90°	7646.2	85.2
90°-120°	1062.1	11.8
90°-150°	1321.8	14.7
90°-180°	1328.0	14.8
0°-180°	8974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2332	2332	2332	2332	2332	
5°	2349	2336	2306	2302	2286	223
15°	2239	2215	2182	2182	2165	630
25°	2025	2005	1995	2018	2008	932
35°	1734	1728	1764	1814	1814	1083
45°	1390	1430	1520	1607	1631	1073
55°	1032	1126	1283	1410	1450	924
65°	675	829	1049	1213	1263	671
75°	338	558	835	1026	1083	358
85°	64	344	645	839	902	77
90°	0	264	561	755	819	3
95°	0	204	491	678	735	0
105°	0	127	361	528	581	0
115°	0	77	257	398	438	0
125°	0	47	174	281	314	0
135°	0	23	107	177	197	0
145°	0	7	47	90	104	0
155°	0	0	7	23	23	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°	2332.3	2332.3	2332.3	2332.3	2332.3
2.5°	2359.1	2345.7	2319.0	2315.6	2302.3
5°	2349.0	2335.7	2305.6	2302.3	2285.6
7.5°	2332.3	2315.6	2282.2	2278.9	2262.2
10°	2305.6	2288.9	2255.5	2252.1	2232.1
12.5°	2275.5	2258.8	2222.1	2218.7	2195.3
15°	2238.8	2215.4	2182.0	2182.0	2165.3
17.5°	2192.0	2171.9	2141.9	2145.2	2125.2
20°	2141.9	2121.8	2095.1	2105.1	2091.8
22.5°	2085.1	2061.7	2045.0	2058.3	2048.3
25°	2024.9	2004.9	1994.9	2018.2	2008.2
27.5°	1958.1	1938.0	1941.4	1964.8	1961.4
30°	1884.6	1871.2	1884.6	1914.7	1911.3
32.5°	1807.7	1801.0	1824.4	1864.5	1864.5
35°	1734.2	1727.5	1764.3	1814.4	1814.4
37.5°	1650.7	1654.0	1704.1	1760.9	1771.0
40°	1567.1	1580.5	1640.7	1710.8	1727.5
42.5°	1480.3	1503.7	1580.5	1657.4	1680.8
45°	1390.0	1430.1	1520.4	1607.2	1630.6
47.5°	1303.2	1353.3	1460.2	1560.5	1590.5
50°	1212.9	1273.1	1400.1	1510.3	1543.8
52.5°	1129.4	1199.6	1336.6	1460.2	1500.3
55°	1032.5	1126.1	1283.1	1410.1	1450.2
57.5°	938.9	1049.2	1223.0	1360.0	1403.4
60°	855.4	972.4	1162.8	1313.2	1360.0
62.5°	765.2	898.9	1106.0	1263.1	1309.9
65°	675.0	828.7	1049.2	1212.9	1263.1
67.5°	591.4	755.2	995.8	1166.2	1223.0
70°	504.6	688.3	942.3	1119.4	1172.9
72.5°	421.0	621.5	888.8	1069.3	1129.4
75°	337.5	558.0	835.4	1025.8	1082.6
77.5°	257.3	497.9	785.2	979.0	1039.2
80°	183.8	441.1	738.5	932.3	992.4
82.5°	117.0	387.6	691.7	885.5	945.6
85°	63.5	344.2	644.9	838.7	902.2
87.5°	23.4	297.4	601.5	798.6	862.1
90°	0.0	264.0	561.4	755.2	818.7
92.5°	0.0	230.6	524.6	715.1	775.2
95°	0.0	203.8	491.2	678.3	735.1
97.5°	0.0	180.4	457.8	641.6	701.7
100°	0.0	160.4	424.4	601.5	661.6
102.5°	0.0	140.3	391.0	564.7	621.5
105°	0.0	127.0	360.9	528.0	581.4
107.5°	0.0	113.6	334.1	497.9	544.7
110°	0.0	100.2	307.4	461.1	511.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	90.2	284.0	431.0	471.1
115°	0.0	76.9	257.3	397.6	437.7
117.5°	0.0	70.2	237.2	367.6	404.3
120°	0.0	60.1	213.9	337.5	374.2
122.5°	0.0	53.5	193.8	307.4	344.2
125°	0.0	46.8	173.8	280.7	314.1
127.5°	0.0	40.1	157.0	254.0	284.0
130°	0.0	33.4	137.0	227.2	254.0
132.5°	0.0	26.7	120.3	200.5	227.2
135°	0.0	23.4	106.9	177.1	197.1
137.5°	0.0	16.7	90.2	153.7	173.8
140°	0.0	13.4	76.9	133.7	147.0
142.5°	0.0	10.0	60.1	110.3	127.0
145°	0.0	6.7	46.8	90.2	103.6
147.5°	0.0	3.3	33.4	73.5	80.2
150°	0.0	3.3	23.4	56.8	60.1
152.5°	0.0	0.0	16.7	40.1	40.1
155°	0.0	0.0	6.7	23.4	23.4
157.5°	3.3	0.0	3.3	10.0	10.0
160°	3.3	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)