

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: **4SRL-LD5-54SL-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: 4SRL-LD5-54SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

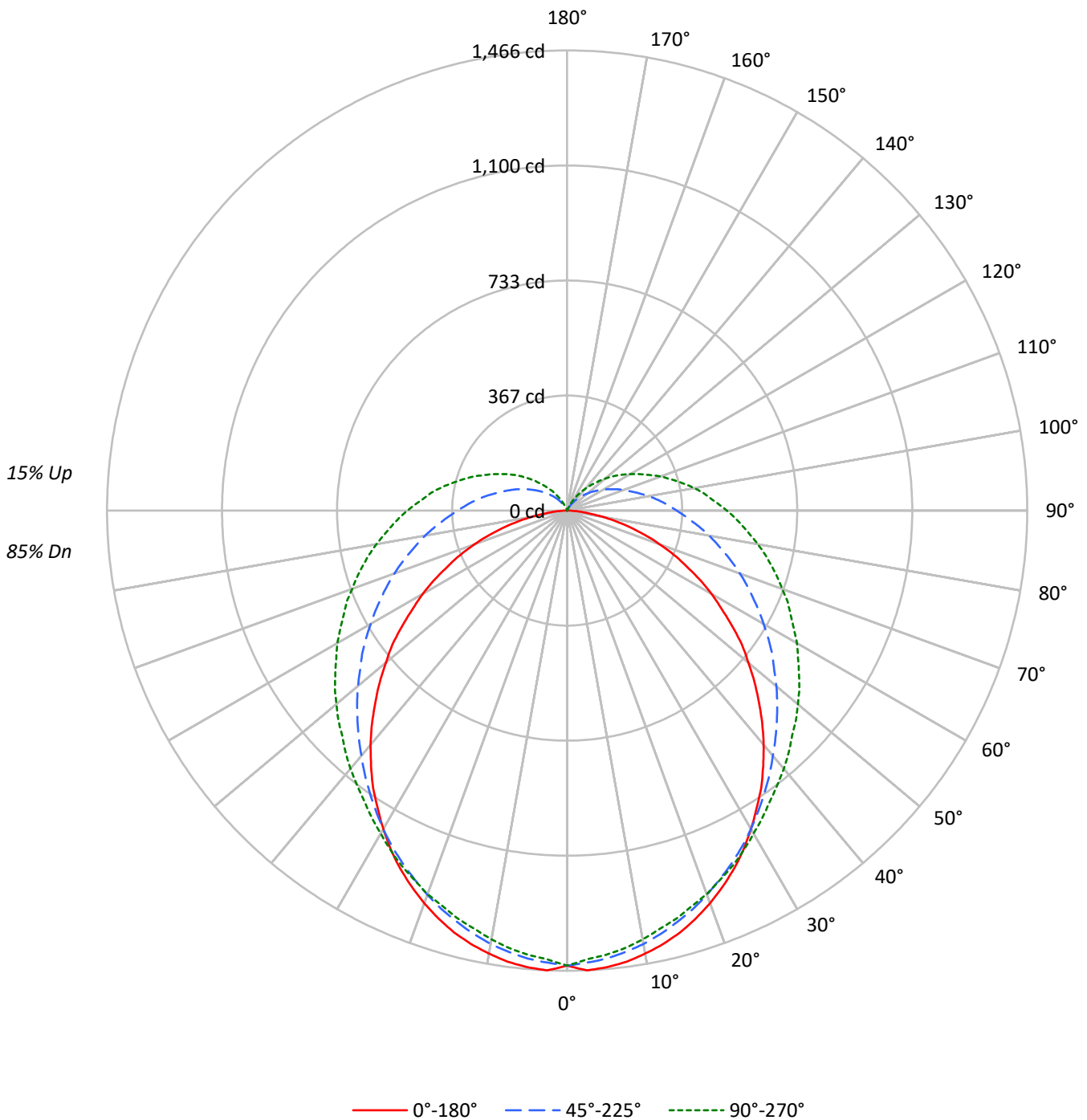
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5578.0 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 47
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°	17023	17023	17023
5°	17142	16180	15822
10°	16952	15353	14803
15°	16714	14528	13882
20°	16365	13753	13075
25°	15968	13010	12338
30°	15477	12305	11631
35°	14975	11622	11022
40°	14383	10989	10555
45°	13724	10437	10099
50°	13065	9935	9769
55°	12338	9498	9453
60°	11576	9067	9213
65°	10621	8713	8978
70°	9571	8437	8839
75°	8138	8181	8752
80°	6140	8050	8726
85°	3502	7995	8765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	2.4
10°-20°	385.0	6.9
20°-30°	574.9	10.3
30°-40°	689.0	12.4
40°-50°	728.9	13.1
50°-60°	703.9	12.6
60°-70°	626.1	11.2
70°-80°	514.8	9.2
80°-90°	393.7	7.1
90°-100°	296.1	5.3
100°-110°	216.1	3.9
110°-120°	148.0	2.7
120°-130°	92.4	1.7
130°-140°	49.3	0.9
140°-150°	19.8	0.4
150°-160°	3.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1096.3	19.7
0°-40°	1785.3	32.0
0°-60°	3218.0	57.7
0°-90°	4752.7	85.2
90°-120°	660.2	11.8
90°-150°	821.6	14.7
90°-180°	825.0	14.8
0°-180°	5578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1460	1452	1433	1431	1421	138
15°	1392	1377	1356	1356	1346	392
25°	1259	1246	1240	1254	1248	579
35°	1078	1074	1097	1128	1128	673
45°	864	889	945	999	1014	667
55°	642	700	798	876	901	575
65°	420	515	652	754	785	417
75°	210	347	519	638	673	223
85°	40	214	401	521	561	48
90°	0	164	349	469	509	2
95°	0	127	305	422	457	0
105°	0	79	224	328	361	0
115°	0	48	160	247	272	0
125°	0	29	108	174	195	0
135°	0	14	66	110	122	0
145°	0	4	29	56	64	0
155°	0	0	4	14	14	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°	1449.7	1449.7	1449.7	1449.7	1449.7
2.5°	1466.3	1458.0	1441.4	1439.3	1431.0
5°	1460.1	1451.8	1433.1	1431.0	1420.6
7.5°	1449.7	1439.3	1418.6	1416.5	1406.1
10°	1433.1	1422.7	1401.9	1399.9	1387.4
12.5°	1414.4	1404.0	1381.2	1379.1	1364.6
15°	1391.6	1377.0	1356.3	1356.3	1345.9
17.5°	1362.5	1350.0	1331.3	1333.4	1320.9
20°	1331.3	1318.9	1302.3	1308.5	1300.2
22.5°	1296.0	1281.5	1271.1	1279.4	1273.2
25°	1258.6	1246.2	1239.9	1254.5	1248.3
27.5°	1217.1	1204.6	1206.7	1221.3	1219.2
30°	1171.4	1163.1	1171.4	1190.1	1188.0
32.5°	1123.6	1119.5	1134.0	1158.9	1158.9
35°	1077.9	1073.8	1096.6	1127.8	1127.8
37.5°	1026.0	1028.1	1059.3	1094.6	1100.8
40°	974.1	982.4	1019.8	1063.4	1073.8
42.5°	920.1	934.6	982.4	1030.2	1044.7
45°	864.0	888.9	945.0	999.0	1013.6
47.5°	810.0	841.2	907.6	969.9	988.6
50°	753.9	791.3	870.2	938.8	959.6
52.5°	702.0	745.6	830.8	907.6	932.6
55°	641.8	699.9	797.6	876.5	901.4
57.5°	583.6	652.2	760.2	845.3	872.3
60°	531.7	604.4	722.8	816.2	845.3
62.5°	475.6	558.7	687.5	785.1	814.2
65°	419.5	515.1	652.2	753.9	785.1
67.5°	367.6	469.4	618.9	724.9	760.2
70°	313.6	427.9	585.7	695.8	729.0
72.5°	261.7	386.3	552.5	664.6	702.0
75°	209.8	346.9	519.2	637.6	672.9
77.5°	159.9	309.5	488.1	608.5	645.9
80°	114.2	274.2	459.0	579.5	616.9
82.5°	72.7	240.9	429.9	550.4	587.8
85°	39.5	213.9	400.9	521.3	560.8
87.5°	14.5	184.8	373.9	496.4	535.9
90°	0.0	164.1	348.9	469.4	508.9
92.5°	0.0	143.3	326.1	444.5	481.9
95°	0.0	126.7	305.3	421.6	456.9
97.5°	0.0	112.2	284.5	398.8	436.2
100°	0.0	99.7	263.8	373.9	411.2
102.5°	0.0	87.2	243.0	351.0	386.3
105°	0.0	78.9	224.3	328.2	361.4
107.5°	0.0	70.6	207.7	309.5	338.5
110°	0.0	62.3	191.1	286.6	317.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	56.1	176.5	267.9	292.9
115°	0.0	47.8	159.9	247.2	272.1
117.5°	0.0	43.6	147.5	228.5	251.3
120°	0.0	37.4	132.9	209.8	232.6
122.5°	0.0	33.2	120.5	191.1	213.9
125°	0.0	29.1	108.0	174.5	195.2
127.5°	0.0	24.9	97.6	157.8	176.5
130°	0.0	20.8	85.2	141.2	157.8
132.5°	0.0	16.6	74.8	124.6	141.2
135°	0.0	14.5	66.5	110.1	122.5
137.5°	0.0	10.4	56.1	95.5	108.0
140°	0.0	8.3	47.8	83.1	91.4
142.5°	0.0	6.2	37.4	68.5	78.9
145°	0.0	4.2	29.1	56.1	64.4
147.5°	0.0	2.1	20.8	45.7	49.8
150°	0.0	2.1	14.5	35.3	37.4
152.5°	0.0	0.0	10.4	24.9	24.9
155°	0.0	0.0	4.2	14.5	14.5
157.5°	2.1	0.0	2.1	6.2	6.2
160°	2.1	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)