

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-LD5-61SL-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-LD5-61SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

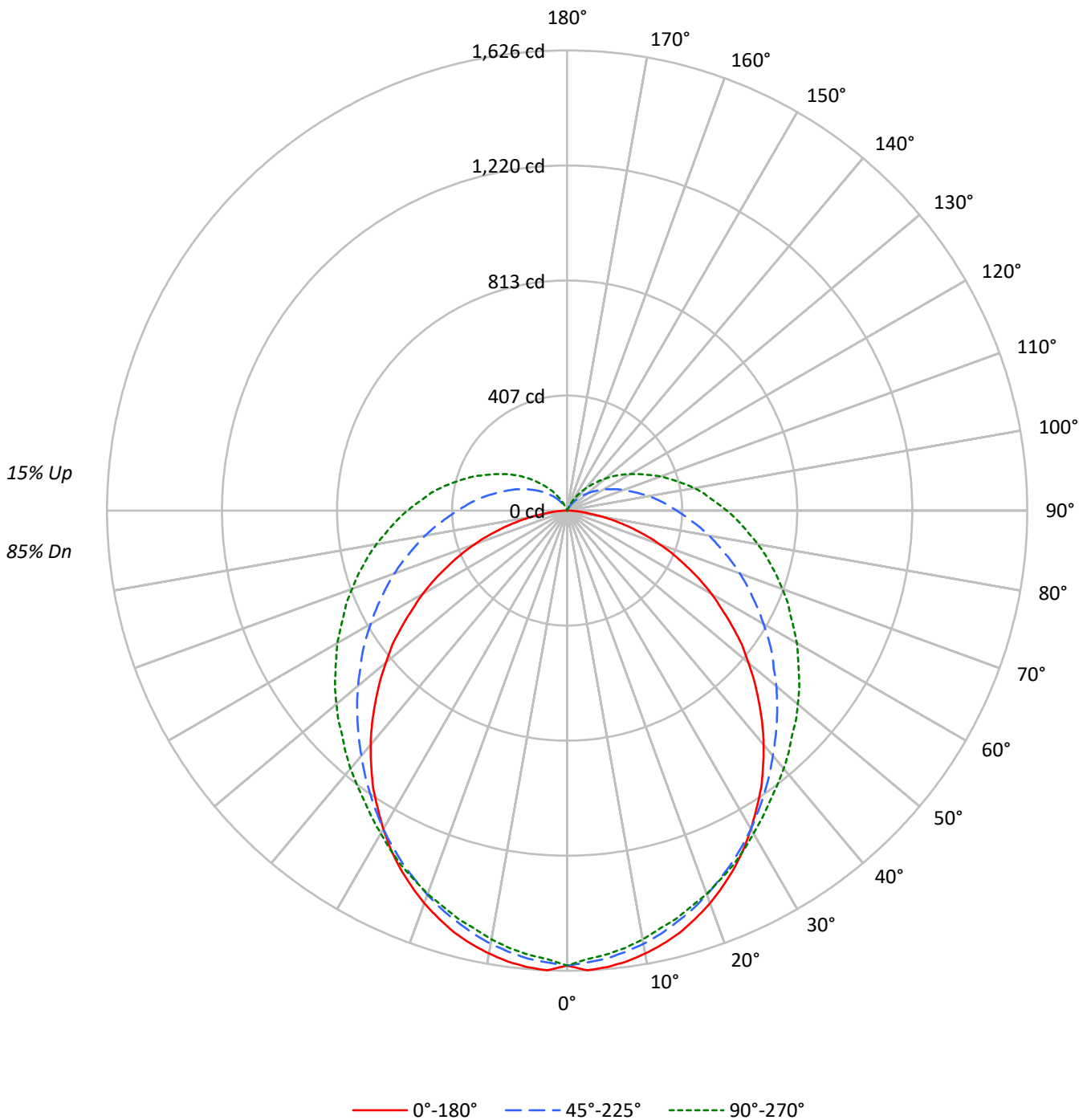
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6185.0 lumens
Efficiency: N/A
Efficacy: 133.9 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): 46.2
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																		
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	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°	9438	9438	9438
5°	9523	8982	8772
10°	9436	8534	8207
15°	9322	8085	7696
20°	9148	7663	7249
25°	8946	7257	6840
30°	8692	6872	6449
35°	8432	6498	6110
40°	8123	6151	5852
45°	7778	5849	5599
50°	7435	5575	5416
55°	7055	5337	5241
60°	6661	5102	5108
65°	6162	4911	4977
70°	5618	4765	4900
75°	4864	4632	4853
80°	3795	4571	4837
85°	2342	4556	4859



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	2.4
10°-20°	426.9	6.9
20°-30°	637.5	10.3
30°-40°	764.0	12.4
40°-50°	808.2	13.1
50°-60°	780.5	12.6
60°-70°	694.3	11.2
70°-80°	570.8	9.2
80°-90°	436.5	7.1
90°-100°	328.3	5.3
100°-110°	239.6	3.9
110°-120°	164.1	2.7
120°-130°	102.4	1.7
130°-140°	54.6	0.9
140°-150°	21.9	0.4
150°-160°	4.2	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1215.6	19.7
0°-40°	1979.6	32.0
0°-60°	3568.2	57.7
0°-90°	5269.8	85.2
90°-120°	732.0	11.8
90°-150°	911.0	14.7
90°-180°	915.0	14.8
0°-180°	6185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1608	1608	1608	1608	1608	
5°	1619	1610	1589	1587	1575	154
15°	1543	1527	1504	1504	1492	435
25°	1396	1382	1375	1391	1384	642
35°	1195	1191	1216	1250	1250	746
45°	958	986	1048	1108	1124	740
55°	712	776	884	972	1000	637
65°	465	571	723	836	870	462
75°	233	385	576	707	746	247
85°	44	237	444	578	622	53
90°	0	182	387	520	564	2
95°	0	140	338	468	507	0
105°	0	88	249	364	401	0
115°	0	53	177	274	302	0
125°	0	32	120	194	216	0
135°	0	16	74	122	136	0
145°	0	5	32	62	71	0
155°	0	0	5	16	16	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°	1607.5	1607.5	1607.5	1607.5	1607.5
2.5°	1625.9	1616.7	1598.3	1596.0	1586.8
5°	1619.0	1609.8	1589.1	1586.8	1575.2
7.5°	1607.5	1596.0	1572.9	1570.6	1559.1
10°	1589.1	1577.5	1554.5	1552.2	1538.4
12.5°	1568.3	1556.8	1531.5	1529.2	1513.1
15°	1543.0	1526.9	1503.8	1503.8	1492.3
17.5°	1510.8	1496.9	1476.2	1478.5	1464.7
20°	1476.2	1462.4	1444.0	1450.9	1441.7
22.5°	1437.1	1420.9	1409.4	1418.6	1411.7
25°	1395.6	1381.8	1374.9	1391.0	1384.1
27.5°	1349.5	1335.7	1338.0	1354.2	1351.8
30°	1298.9	1289.7	1298.9	1319.6	1317.3
32.5°	1245.9	1241.3	1257.4	1285.1	1285.1
35°	1195.2	1190.6	1216.0	1250.5	1250.5
37.5°	1137.7	1140.0	1174.5	1213.7	1220.6
40°	1080.1	1089.3	1130.8	1179.1	1190.6
42.5°	1020.2	1036.3	1089.3	1142.3	1158.4
45°	958.0	985.7	1047.9	1107.7	1123.9
47.5°	898.2	932.7	1006.4	1075.5	1096.2
50°	836.0	877.4	964.9	1040.9	1064.0
52.5°	778.4	826.8	921.2	1006.4	1034.0
55°	711.6	776.1	884.3	971.9	999.5
57.5°	647.1	723.1	842.9	937.3	967.3
60°	589.6	670.2	801.4	905.1	937.3
62.5°	527.4	619.5	762.3	870.5	902.8
65°	465.2	571.1	723.1	836.0	870.5
67.5°	407.6	520.5	686.3	803.7	842.9
70°	347.7	474.4	649.4	771.5	808.3
72.5°	290.2	428.4	612.6	737.0	778.4
75°	232.6	384.6	575.7	707.0	746.2
77.5°	177.3	343.1	541.2	674.8	716.2
80°	126.7	304.0	509.0	642.5	684.0
82.5°	80.6	267.1	476.7	610.3	651.7
85°	43.8	237.2	444.5	578.0	621.8
87.5°	16.1	205.0	414.5	550.4	594.2
90°	0.0	181.9	386.9	520.5	564.2
92.5°	0.0	158.9	361.6	492.8	534.3
95°	0.0	140.5	338.5	467.5	506.7
97.5°	0.0	124.4	315.5	442.2	483.6
100°	0.0	110.5	292.5	414.5	456.0
102.5°	0.0	96.7	269.4	389.2	428.4
105°	0.0	87.5	248.7	363.9	400.7
107.5°	0.0	78.3	230.3	343.1	375.4
110°	0.0	69.1	211.9	317.8	352.4



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	62.2	195.8	297.1	324.7
115°	0.0	53.0	177.3	274.1	301.7
117.5°	0.0	48.4	163.5	253.3	278.7
120°	0.0	41.5	147.4	232.6	257.9
122.5°	0.0	36.8	133.6	211.9	237.2
125°	0.0	32.2	119.8	193.5	216.5
127.5°	0.0	27.6	108.2	175.0	195.8
130°	0.0	23.0	94.4	156.6	175.0
132.5°	0.0	18.4	82.9	138.2	156.6
135°	0.0	16.1	73.7	122.1	135.9
137.5°	0.0	11.5	62.2	105.9	119.8
140°	0.0	9.2	53.0	92.1	101.3
142.5°	0.0	6.9	41.5	76.0	87.5
145°	0.0	4.6	32.2	62.2	71.4
147.5°	0.0	2.3	23.0	50.7	55.3
150°	0.0	2.3	16.1	39.2	41.5
152.5°	0.0	0.0	11.5	27.6	27.6
155°	0.0	0.0	4.6	16.1	16.1
157.5°	2.3	0.0	2.3	6.9	6.9
160°	2.3	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)