

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-L830-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-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

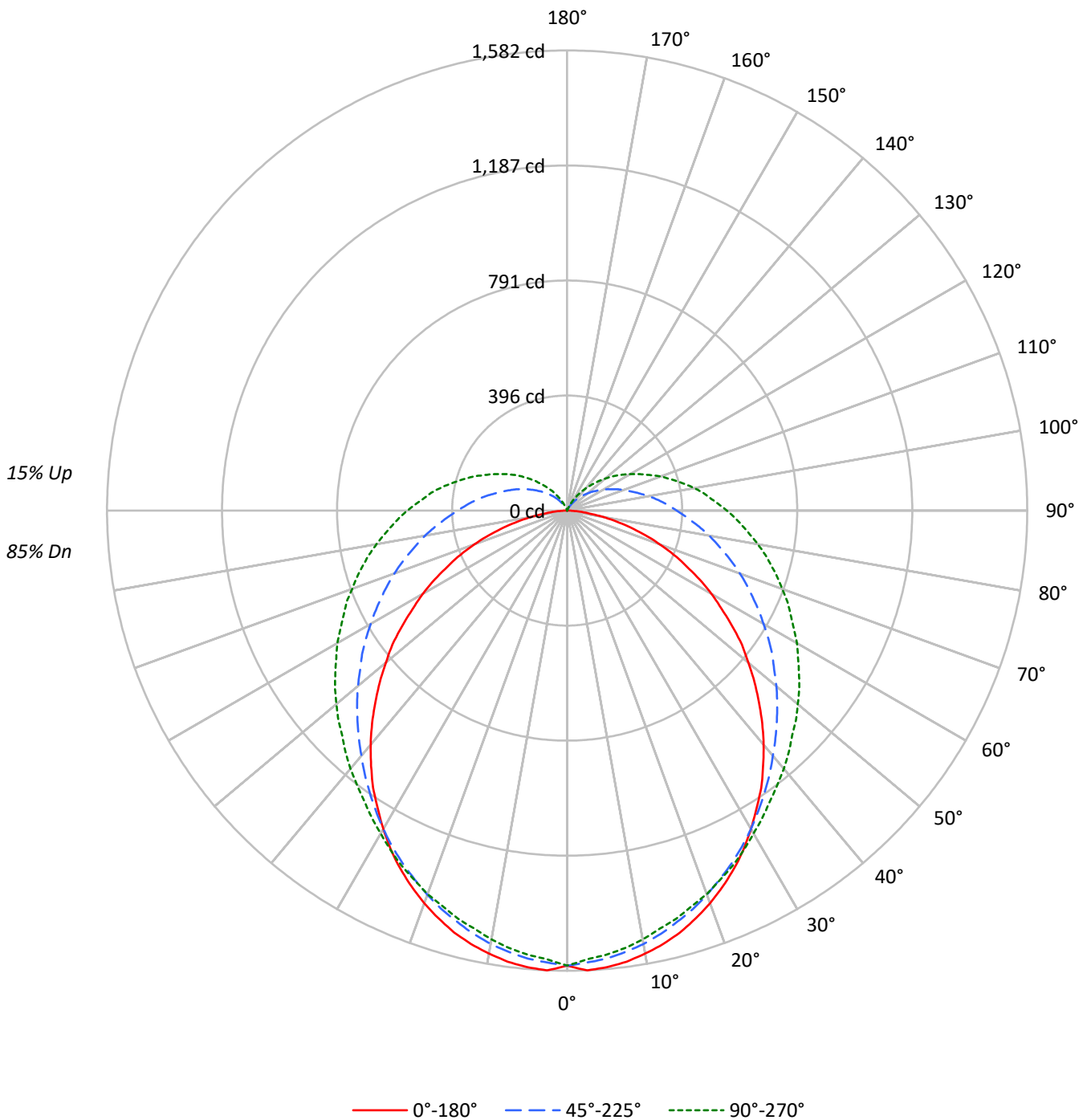
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6019.0 lumens
Efficiency: N/A
Efficacy: 130.3 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): 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				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°	9184	9184	9184
5°	9267	8741	8537
10°	9183	8305	7987
15°	9072	7868	7490
20°	8902	7457	7054
25°	8706	7062	6656
30°	8458	6687	6275
35°	8207	6323	5947
40°	7905	5985	5695
45°	7569	5692	5449
50°	7235	5425	5270
55°	6866	5194	5100
60°	6481	4965	4971
65°	5997	4780	4844
70°	5468	4638	4769
75°	4734	4508	4722
80°	3693	4448	4707
85°	2278	4433	4729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	2.4
10°-20°	415.4	6.9
20°-30°	620.4	10.3
30°-40°	743.5	12.4
40°-50°	786.5	13.1
50°-60°	759.5	12.6
60°-70°	675.6	11.2
70°-80°	555.5	9.2
80°-90°	424.8	7.1
90°-100°	319.5	5.3
100°-110°	233.2	3.9
110°-120°	159.7	2.7
120°-130°	99.7	1.7
130°-140°	53.2	0.9
140°-150°	21.3	0.4
150°-160°	4.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1182.9	19.7
0°-40°	1926.4	32.0
0°-60°	3472.5	57.7
0°-90°	5128.4	85.2
90°-120°	712.3	11.8
90°-150°	886.5	14.7
90°-180°	891.0	14.8
0°-180°	6019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1576	1567	1546	1544	1533	149
15°	1502	1486	1464	1464	1452	423
25°	1358	1345	1338	1354	1347	625
35°	1163	1159	1183	1217	1217	726
45°	932	959	1020	1078	1094	720
55°	692	755	861	946	973	620
65°	453	556	704	814	847	450
75°	226	374	560	688	726	240
85°	43	231	432	562	605	52
90°	0	177	376	506	549	2
95°	0	137	330	455	493	0
105°	0	85	242	354	390	0
115°	0	52	173	267	294	0
125°	0	31	116	188	211	0
135°	0	16	72	119	132	0
145°	0	4	31	60	70	0
155°	0	0	4	16	16	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°	1564.3	1564.3	1564.3	1564.3	1564.3
2.5°	1582.3	1573.3	1555.4	1553.1	1544.2
5°	1575.5	1566.6	1546.4	1544.2	1533.0
7.5°	1564.3	1553.1	1530.7	1528.5	1517.3
10°	1546.4	1535.2	1512.8	1510.5	1497.1
12.5°	1526.2	1515.0	1490.4	1488.1	1472.4
15°	1501.6	1485.9	1463.5	1463.5	1452.3
17.5°	1470.2	1456.8	1436.6	1438.8	1425.4
20°	1436.6	1423.1	1405.2	1411.9	1403.0
22.5°	1398.5	1382.8	1371.6	1380.6	1373.8
25°	1358.1	1344.7	1338.0	1353.7	1346.9
27.5°	1313.3	1299.9	1302.1	1317.8	1315.6
30°	1264.0	1255.1	1264.0	1284.2	1281.9
32.5°	1212.5	1208.0	1223.7	1250.6	1250.6
35°	1163.2	1158.7	1183.3	1217.0	1217.0
37.5°	1107.1	1109.4	1143.0	1181.1	1187.8
40°	1051.1	1060.1	1100.4	1147.5	1158.7
42.5°	992.8	1008.5	1060.1	1111.6	1127.3
45°	932.3	959.2	1019.7	1078.0	1093.7
47.5°	874.1	907.7	979.4	1046.6	1066.8
50°	813.5	853.9	939.0	1013.0	1035.4
52.5°	757.5	804.6	896.5	979.4	1006.3
55°	692.5	755.3	860.6	945.8	972.7
57.5°	629.8	703.7	820.3	912.2	941.3
60°	573.7	652.2	779.9	880.8	912.2
62.5°	513.2	602.9	741.8	847.2	878.5
65°	452.7	555.8	703.7	813.5	847.2
67.5°	396.7	506.5	667.9	782.2	820.3
70°	338.4	461.7	632.0	750.8	786.6
72.5°	282.4	416.9	596.2	717.2	757.5
75°	226.4	374.3	560.3	688.0	726.1
77.5°	172.6	333.9	526.7	656.7	697.0
80°	123.3	295.8	495.3	625.3	665.6
82.5°	78.4	260.0	463.9	593.9	634.3
85°	42.6	230.8	432.5	562.5	605.1
87.5°	15.7	199.5	403.4	535.6	578.2
90°	0.0	177.1	376.5	506.5	549.1
92.5°	0.0	154.6	351.9	479.6	520.0
95°	0.0	136.7	329.5	455.0	493.1
97.5°	0.0	121.0	307.0	430.3	470.6
100°	0.0	107.6	284.6	403.4	443.8
102.5°	0.0	94.1	262.2	378.8	416.9
105°	0.0	85.2	242.0	354.1	390.0
107.5°	0.0	76.2	224.1	333.9	365.3
110°	0.0	67.2	206.2	309.3	342.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	60.5	190.5	289.1	316.0
115°	0.0	51.5	172.6	266.7	293.6
117.5°	0.0	47.1	159.1	246.5	271.2
120°	0.0	40.3	143.4	226.4	251.0
122.5°	0.0	35.9	130.0	206.2	230.8
125°	0.0	31.4	116.5	188.3	210.7
127.5°	0.0	26.9	105.3	170.3	190.5
130°	0.0	22.4	91.9	152.4	170.3
132.5°	0.0	17.9	80.7	134.5	152.4
135°	0.0	15.7	71.7	118.8	132.2
137.5°	0.0	11.2	60.5	103.1	116.5
140°	0.0	9.0	51.5	89.6	98.6
142.5°	0.0	6.7	40.3	74.0	85.2
145°	0.0	4.5	31.4	60.5	69.5
147.5°	0.0	2.2	22.4	49.3	53.8
150°	0.0	2.2	15.7	38.1	40.3
152.5°	0.0	0.0	11.2	26.9	26.9
155°	0.0	0.0	4.5	15.7	15.7
157.5°	2.2	0.0	2.2	6.7	6.7
160°	2.2	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)