

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-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-61SL-LC-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

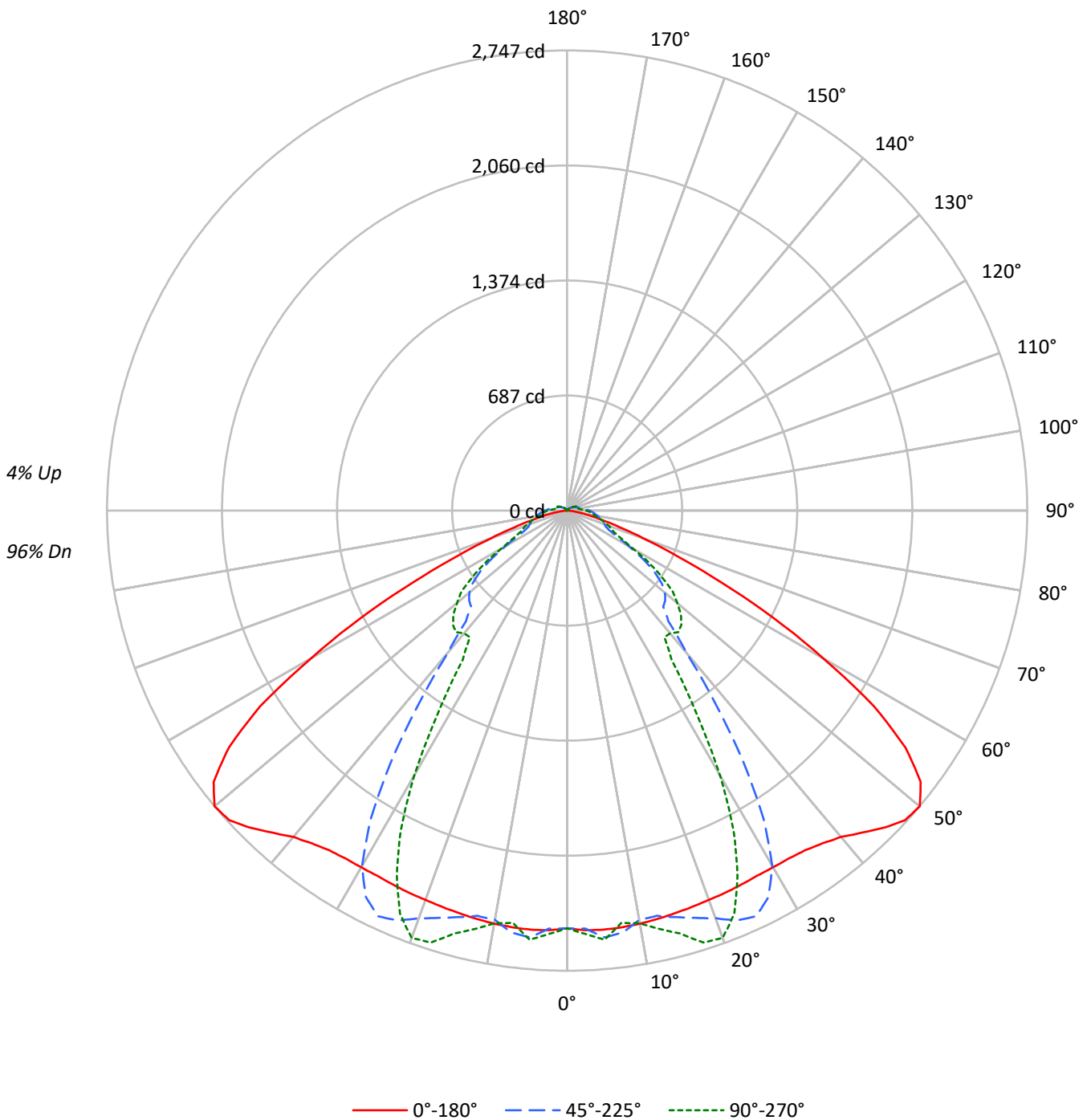
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6013.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Direct

Input Watts (W): 40.3
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

TEST NUMBER: P#
CATALOG NUMBER: 8SRL-LD5-61SL-LC-UNV-L835-CD1-U

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14639	14639	14639
5°	14771	14456	14320
10°	14866	13618	13349
15°	15033	13507	13480
20°	15323	13741	13645
25°	15785	14102	11891
30°	16453	12953	8947
35°	17464	9807	5314
40°	19128	6014	4703
45°	21731	4525	4799
50°	24431	4401	4367
55°	24440	3824	3611
60°	19968	2703	2446
65°	13389	1873	1775
70°	7812	1741	1602
75°	4372	1713	1360
80°	2498	1647	1161
85°	1235	1630	1143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	4.0
10°-20°	722.9	12.0
20°-30°	1150.5	19.1
30°-40°	1172.5	19.5
40°-50°	990.3	16.5
50°-60°	763.3	12.7
60°-70°	394.3	6.6
70°-80°	217.9	3.6
80°-90°	138.7	2.3
90°-100°	85.3	1.4
100°-110°	55.0	0.9
110°-120°	39.9	0.7
120°-130°	23.0	0.4
130°-140°	11.1	0.2
140°-150°	4.7	0.1
150°-160°	1.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2114.4	35.2
0°-40°	3287.0	54.7
0°-60°	5040.6	83.8
0°-90°	5791.5	96.3
90°-120°	180.3	3.0
90°-150°	219.1	3.6
90°-180°	222.0	3.7
0°-180°	6013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2493	2493	2493	2493	2493	
5°	2511	2520	2557	2582	2572	239
15°	2488	2490	2512	2602	2614	705
25°	2462	2479	2672	2541	2406	1140
35°	2475	2592	1835	1248	1088	1562
45°	2677	1562	811	935	963	2067
55°	2465	575	634	689	689	2134
65°	1011	263	276	310	310	1043
75°	209	173	213	214	209	252
85°	23	113	159	154	146	32
90°	0	87	132	122	113	1
95°	0	68	105	92	85	0
105°	0	41	69	64	60	0
115°	1	24	50	60	59	1
125°	1	13	32	38	35	1
135°	1	6	18	22	18	1
145°	1	3	9	12	9	1
155°	1	1	4	5	3	1
165°	1	3	3	3	0	0
175°	3	3	3	3	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-61SL-LC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2493.3	2493.3	2493.3	2493.3	2493.3
2.5°	2507.4	2498.4	2498.4	2530.5	2530.5
5°	2511.3	2520.2	2557.4	2581.8	2571.5
7.5°	2508.7	2549.7	2540.8	2504.8	2481.8
10°	2503.6	2565.1	2480.5	2504.8	2502.3
12.5°	2497.1	2542.0	2477.9	2563.8	2558.7
15°	2488.2	2489.5	2512.5	2602.3	2613.9
17.5°	2480.5	2456.1	2549.7	2670.3	2703.6
20°	2472.8	2445.8	2589.5	2728.0	2713.9
22.5°	2468.9	2454.8	2648.5	2684.4	2606.2
25°	2462.5	2479.2	2671.6	2540.8	2406.1
27.5°	2457.4	2507.4	2601.0	2295.8	2152.1
30°	2458.7	2547.2	2448.4	2008.5	1827.7
32.5°	2462.5	2585.6	2182.9	1623.7	1436.5
35°	2475.3	2592.1	1835.3	1247.9	1087.6
37.5°	2503.6	2521.5	1457.0	987.6	952.9
40°	2543.3	2308.6	1105.6	922.2	956.8
42.5°	2607.4	1950.8	893.9	932.4	983.7
45°	2676.7	1562.2	810.6	935.0	963.2
47.5°	2735.7	1153.0	793.9	900.4	920.9
50°	2747.2	868.3	761.8	845.2	858.0
52.5°	2660.0	686.2	710.5	772.1	795.2
55°	2465.1	574.6	633.6	688.7	688.7
57.5°	2171.4	487.4	532.3	584.8	579.7
60°	1767.4	401.4	424.5	456.6	448.9
62.5°	1390.3	321.9	329.6	364.2	369.4
65°	1010.7	262.9	275.8	310.4	310.4
67.5°	709.3	224.4	248.8	280.9	283.4
70°	483.5	202.6	237.3	262.9	264.2
72.5°	329.6	187.3	225.7	239.8	236.0
75°	209.1	173.1	212.9	214.2	209.1
77.5°	136.0	157.8	200.1	189.8	186.0
80°	83.4	142.4	183.4	170.6	164.2
82.5°	47.5	127.0	170.6	161.6	155.2
85°	23.1	112.9	159.0	153.9	146.2
87.5°	9.0	100.0	146.2	138.5	130.8
90°	0.0	87.2	132.1	121.8	112.9
92.5°	0.0	77.0	118.0	105.2	97.5
95°	0.0	68.0	105.2	92.3	84.6
97.5°	0.0	60.3	93.6	82.1	73.1
100°	0.0	53.9	84.6	73.1	66.7
102.5°	0.0	47.5	75.7	68.0	64.1
105°	0.0	41.0	69.3	64.1	60.3
107.5°	0.0	35.9	62.8	61.6	59.0
110°	0.0	32.1	59.0	60.3	61.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.2	53.9	61.6	62.8
115°	1.3	24.4	50.0	60.3	59.0
117.5°	1.3	20.5	44.9	53.9	51.3
120°	1.3	18.0	41.0	48.7	44.9
122.5°	1.3	15.4	35.9	42.3	39.8
125°	1.3	12.8	32.1	38.5	34.6
127.5°	1.3	11.5	28.2	33.3	30.8
130°	1.3	10.3	24.4	29.5	26.9
132.5°	1.3	7.7	21.8	25.7	21.8
135°	1.3	6.4	18.0	21.8	18.0
137.5°	1.3	5.1	15.4	18.0	15.4
140°	1.3	3.8	12.8	15.4	12.8
142.5°	1.3	3.8	10.3	14.1	10.3
145°	1.3	2.6	9.0	11.5	9.0
147.5°	1.3	2.6	7.7	10.3	7.7
150°	1.3	2.6	6.4	9.0	5.1
152.5°	1.3	1.3	5.1	7.7	3.8
155°	1.3	1.3	3.8	5.1	2.6
157.5°	1.3	1.3	3.8	3.8	2.6
160°	1.3	1.3	3.8	3.8	1.3
162.5°	1.3	1.3	2.6	2.6	0.0
165°	1.3	2.6	2.6	2.6	0.0
167.5°	1.3	2.6	2.6	2.6	0.0
170°	1.3	2.6	2.6	2.6	0.0
172.5°	1.3	2.6	2.6	2.6	0.0
175°	2.6	2.6	2.6	2.6	0.0
177.5°	2.6	2.6	2.6	2.6	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)