

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-LD5-56SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-56SL-LC-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

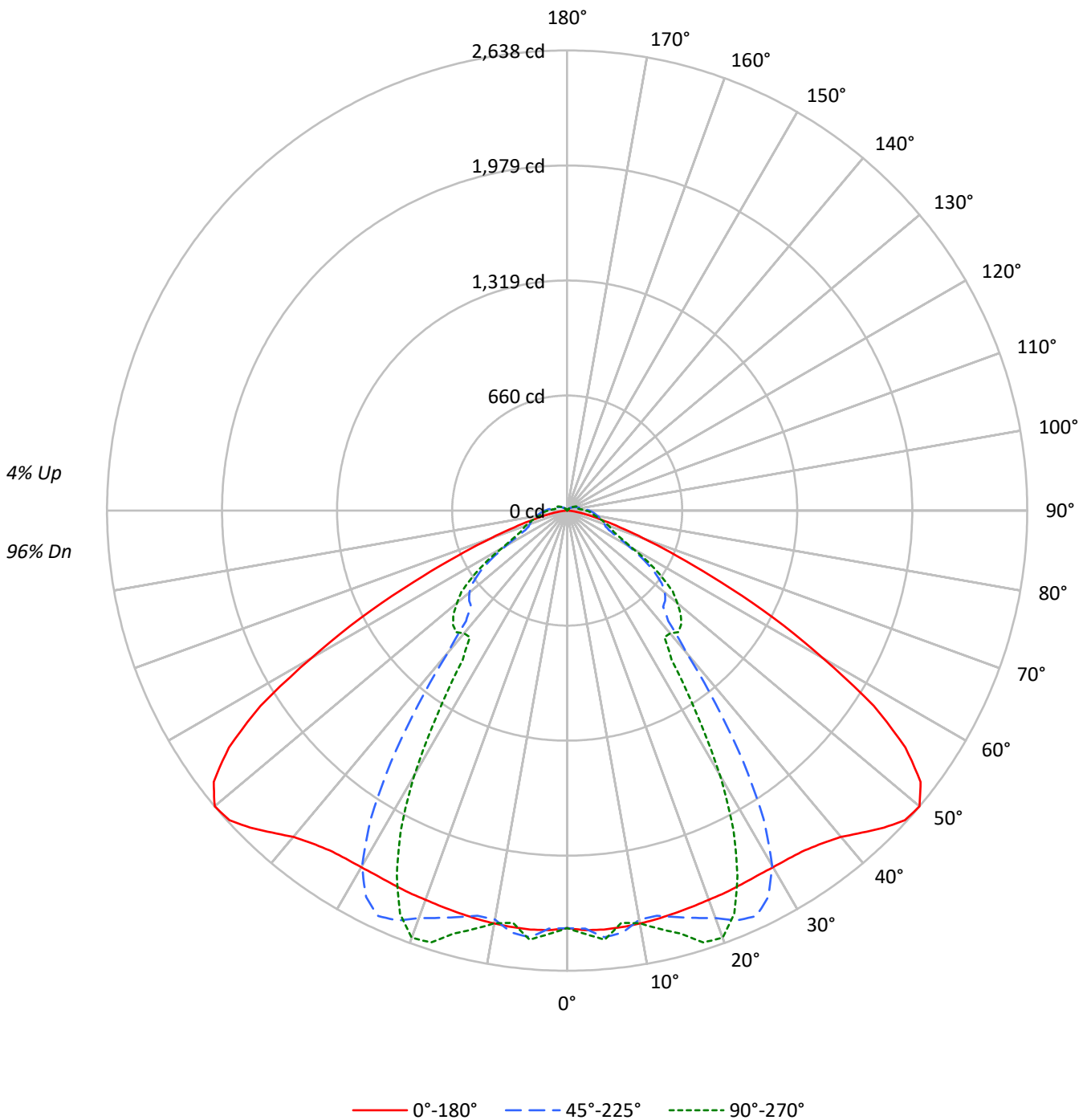
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5773.0 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 43.1
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: 4SRL-LD5-56SL-LC-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-56SL-LC-UNV-L840-CD1-U

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	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°	28109	28109	28109
5°	28307	27721	27498
10°	28432	26080	25632
15°	28692	25839	25883
20°	29184	26255	26202
25°	29996	26912	22832
30°	31188	24694	17179
35°	33016	18675	10205
40°	36054	11437	9030
45°	40821	8595	9214
50°	45708	8350	8386
55°	45498	7244	6934
60°	36941	5113	4698
65°	24565	3536	3408
70°	14168	3281	3076
75°	7785	3221	2610
80°	4301	3088	2229
85°	1968	3045	2194



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-56SL-LC-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	4.0
10°-20°	694.0	12.0
20°-30°	1104.6	19.1
30°-40°	1125.7	19.5
40°-50°	950.8	16.5
50°-60°	732.9	12.7
60°-70°	378.6	6.6
70°-80°	209.2	3.6
80°-90°	133.1	2.3
90°-100°	81.9	1.4
100°-110°	52.8	0.9
110°-120°	38.3	0.7
120°-130°	22.1	0.4
130°-140°	10.7	0.2
140°-150°	4.5	0.1
150°-160°	1.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2030.0	35.2
0°-40°	3155.8	54.7
0°-60°	4839.4	83.8
0°-90°	5560.3	96.3
90°-120°	173.1	3.0
90°-150°	210.4	3.6
90°-180°	213.0	3.7
0°-180°	5773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2394	2394	2394	2394	2394	
5°	2411	2420	2455	2479	2469	230
15°	2389	2390	2412	2498	2510	677
25°	2364	2380	2565	2439	2310	1095
35°	2376	2489	1762	1198	1044	1500
45°	2570	1500	778	898	925	1985
55°	2367	552	608	661	661	2049
65°	970	252	265	298	298	1001
75°	201	166	204	206	201	242
85°	22	108	153	148	140	30
90°	0	84	127	117	108	1
95°	0	65	101	89	81	0
105°	0	39	66	62	58	0
115°	1	23	48	58	57	1
125°	1	12	31	37	33	1
135°	1	6	17	21	17	1
145°	1	2	9	11	9	1
155°	1	1	4	5	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-56SL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2393.8	2393.8	2393.8	2393.8	2393.8
2.5°	2407.3	2398.7	2398.7	2429.5	2429.5
5°	2411.0	2419.6	2455.4	2478.7	2468.9
7.5°	2408.6	2448.0	2439.3	2404.9	2382.7
10°	2403.6	2462.7	2381.5	2404.9	2402.4
12.5°	2397.5	2440.6	2379.0	2461.5	2456.6
15°	2388.9	2390.1	2412.3	2498.5	2509.5
17.5°	2381.5	2358.1	2448.0	2563.7	2595.7
20°	2374.1	2348.2	2486.1	2619.1	2605.6
22.5°	2370.4	2356.8	2542.8	2577.3	2502.1
25°	2364.2	2380.2	2564.9	2439.3	2310.1
27.5°	2359.3	2407.3	2497.2	2204.2	2066.2
30°	2360.5	2445.5	2350.7	1928.3	1754.7
32.5°	2364.2	2482.4	2095.8	1558.9	1379.1
35°	2376.5	2488.6	1762.1	1198.1	1044.2
37.5°	2403.6	2420.9	1398.8	948.2	914.9
40°	2441.8	2216.5	1061.4	885.4	918.6
42.5°	2503.4	1872.9	858.3	895.2	944.5
45°	2569.9	1499.8	778.2	897.7	924.8
47.5°	2626.5	1107.0	762.2	864.4	884.1
50°	2637.6	833.6	731.4	811.5	823.8
52.5°	2553.9	658.8	682.2	741.3	763.4
55°	2366.7	551.7	608.3	661.2	661.2
57.5°	2084.7	467.9	511.0	561.5	556.6
60°	1696.8	385.4	407.6	438.4	431.0
62.5°	1334.8	309.1	316.5	349.7	354.6
65°	970.3	252.4	264.7	298.0	298.0
67.5°	680.9	215.5	238.9	269.7	272.1
70°	464.2	194.6	227.8	252.4	253.7
72.5°	316.5	179.8	216.7	230.3	226.6
75°	200.7	166.2	204.4	205.6	200.7
77.5°	130.5	151.5	192.1	182.2	178.5
80°	80.0	136.7	176.1	163.8	157.6
82.5°	45.6	121.9	163.8	155.2	149.0
85°	22.2	108.4	152.7	147.8	140.4
87.5°	8.6	96.0	140.4	133.0	125.6
90°	0.0	83.7	126.8	117.0	108.4
92.5°	0.0	73.9	113.3	101.0	93.6
95°	0.0	65.3	101.0	88.7	81.3
97.5°	0.0	57.9	89.9	78.8	70.2
100°	0.0	51.7	81.3	70.2	64.0
102.5°	0.0	45.6	72.7	65.3	61.6
105°	0.0	39.4	66.5	61.6	57.9
107.5°	0.0	34.5	60.3	59.1	56.6
110°	0.0	30.8	56.6	57.9	59.1



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-56SL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.1	51.7	59.1	60.3
115°	1.2	23.4	48.0	57.9	56.6
117.5°	1.2	19.7	43.1	51.7	49.3
120°	1.2	17.2	39.4	46.8	43.1
122.5°	1.2	14.8	34.5	40.6	38.2
125°	1.2	12.3	30.8	36.9	33.2
127.5°	1.2	11.1	27.1	32.0	29.6
130°	1.2	9.9	23.4	28.3	25.9
132.5°	1.2	7.4	20.9	24.6	20.9
135°	1.2	6.2	17.2	20.9	17.2
137.5°	1.2	4.9	14.8	17.2	14.8
140°	1.2	3.7	12.3	14.8	12.3
142.5°	1.2	3.7	9.9	13.5	9.9
145°	1.2	2.5	8.6	11.1	8.6
147.5°	1.2	2.5	7.4	9.9	7.4
150°	1.2	2.5	6.2	8.6	4.9
152.5°	1.2	1.2	4.9	7.4	3.7
155°	1.2	1.2	3.7	4.9	2.5
157.5°	1.2	1.2	3.7	3.7	2.5
160°	1.2	1.2	3.7	3.7	1.2
162.5°	1.2	1.2	2.5	2.5	0.0
165°	1.2	2.5	2.5	2.5	0.0
167.5°	1.2	2.5	2.5	2.5	0.0
170°	1.2	2.5	2.5	2.5	0.0
172.5°	1.2	2.5	2.5	2.5	0.0
175°	2.5	2.5	2.5	2.5	0.0
177.5°	2.5	2.5	2.5	2.5	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)