

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-LD5-55SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-55SL-LN-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

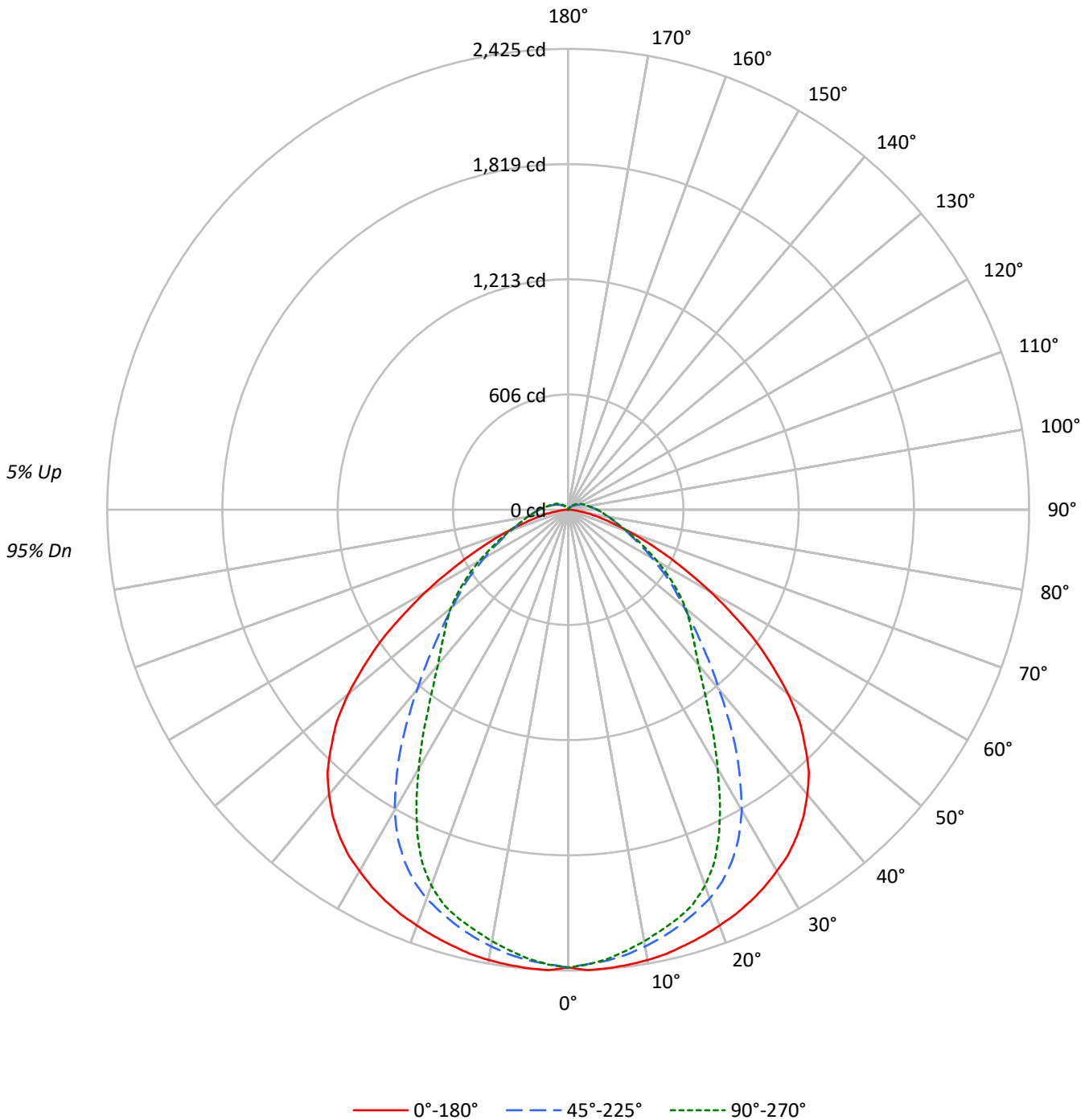
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5507.1 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
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-LD5-55SL-LN-UNV-L830-CD1-U

Luminous Intensity Polar Plot





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CATALOG NUMBER: 4SRL-LD5-55SL-LN-UNV-L830-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	114	114	114	114	108	108	108	103	103	103	97	97	97	95				
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28284	28284	28284
5°	28433	26882	26426
10°	28464	25551	24599
15°	28497	24260	22977
20°	28622	22994	21173
25°	28826	21401	18572
30°	29005	19185	15381
35°	29134	16307	12542
40°	28895	13300	10460
45°	27999	10892	9194
50°	26186	9043	8210
55°	23129	7720	7051
60°	18836	6404	5890
65°	14471	5362	4824
70°	10569	4592	3995
75°	7389	4059	3397
80°	4962	3762	3034
85°	2873	3586	2827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.9	4.1
10°-20°	644.5	11.7
20°-30°	941.7	17.1
30°-40°	1005.8	18.3
40°-50°	886.3	16.1
50°-60°	673.0	12.2
60°-70°	429.1	7.8
70°-80°	255.9	4.6
80°-90°	160.8	2.9
90°-100°	106.4	1.9
100°-110°	72.3	1.3
110°-120°	48.6	0.9
120°-130°	30.0	0.5
130°-140°	15.9	0.3
140°-150°	6.9	0.1
150°-160°	2.2	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1813.2	32.9
0°-40°	2818.9	51.2
0°-60°	4378.3	79.5
0°-90°	5224.1	94.9
90°-120°	227.4	4.1
90°-150°	280.2	5.1
90°-180°	283.0	5.1
0°-180°	5507.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2409	2409	2409	2409	2409	
5°	2422	2404	2381	2388	2373	231
15°	2373	2328	2265	2249	2228	671
25°	2272	2170	2040	1941	1879	1048
35°	2097	1869	1539	1346	1283	1310
45°	1763	1327	986	929	923	1355
55°	1203	753	648	671	672	1065
65°	572	387	401	425	422	577
75°	190	196	258	270	261	212
85°	32	107	180	189	181	39
90°	1	80	152	159	152	2
95°	0	61	127	134	127	0
105°	0	38	89	97	94	0
115°	0	24	61	73	72	0
125°	1	16	41	52	50	1
135°	1	8	25	31	30	1
145°	1	4	13	17	16	1
155°	1	2	5	7	5	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-55SL-LN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2408.7	2408.7	2408.7	2408.7	2408.7
2.5°	2425.4	2411.0	2393.1	2405.1	2395.5
5°	2421.8	2403.9	2381.1	2388.3	2372.7
7.5°	2415.8	2393.1	2360.7	2358.3	2340.3
10°	2406.3	2376.3	2333.2	2324.8	2305.6
12.5°	2393.1	2355.9	2302.0	2288.8	2266.0
15°	2372.7	2328.4	2264.9	2249.3	2227.7
17.5°	2352.3	2297.2	2222.9	2203.7	2178.6
20°	2328.4	2261.3	2177.4	2136.6	2105.5
22.5°	2303.2	2220.5	2117.5	2049.2	2008.4
25°	2272.0	2170.2	2039.6	1941.3	1879.0
27.5°	2237.3	2117.5	1943.7	1802.3	1728.0
30°	2195.3	2046.8	1826.3	1648.9	1571.0
32.5°	2153.4	1970.1	1682.5	1497.9	1427.2
35°	2097.1	1869.4	1538.7	1345.7	1283.4
37.5°	2033.6	1756.8	1381.7	1210.3	1164.8
40°	1956.9	1624.9	1234.3	1097.7	1064.1
42.5°	1874.2	1479.9	1106.1	1006.6	988.6
45°	1762.7	1326.6	986.2	928.7	922.7
47.5°	1652.5	1173.2	884.4	860.4	864.0
50°	1511.1	1021.0	792.1	800.5	806.5
52.5°	1355.3	880.8	716.6	734.6	739.4
55°	1203.1	752.6	648.3	671.1	672.3
57.5°	1025.8	639.9	574.0	608.8	605.2
60°	865.2	540.4	510.5	538.1	540.4
62.5°	707.0	459.0	454.2	478.1	476.9
65°	571.6	387.1	401.4	425.4	421.8
67.5°	454.2	323.6	357.1	377.5	369.1
70°	346.3	274.4	318.8	334.3	329.5
72.5°	260.0	232.5	285.2	299.6	291.2
75°	190.5	196.5	257.6	269.6	261.2
77.5°	136.6	169.0	236.1	243.3	237.3
80°	92.3	143.8	214.5	224.1	214.5
82.5°	58.7	123.4	196.5	204.9	196.5
85°	32.4	106.7	179.8	189.3	180.9
87.5°	14.4	92.3	165.4	173.8	166.6
90°	1.2	80.3	152.2	159.4	152.2
92.5°	0.0	69.5	139.0	147.4	140.2
95°	0.0	61.1	127.0	134.2	127.0
97.5°	0.0	53.9	116.2	123.4	117.4
100°	0.0	47.9	106.7	113.8	107.9
102.5°	0.0	41.9	97.1	105.5	100.7
105°	0.0	38.3	88.7	97.1	93.5
107.5°	0.0	33.6	81.5	91.1	88.7
110°	0.0	30.0	74.3	85.1	82.7



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-55SL-LN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.6	67.1	79.1	76.7
115°	0.0	24.0	61.1	73.1	71.9
117.5°	0.0	21.6	56.3	67.1	67.1
120°	1.2	19.2	51.5	62.3	61.1
122.5°	1.2	16.8	45.5	56.3	55.1
125°	1.2	15.6	40.7	51.5	50.3
127.5°	1.2	13.2	37.1	45.5	44.3
130°	1.2	12.0	32.4	40.7	39.5
132.5°	1.2	9.6	28.8	36.0	34.8
135°	1.2	8.4	25.2	31.2	30.0
137.5°	1.2	7.2	21.6	27.6	26.4
140°	1.2	6.0	19.2	24.0	22.8
142.5°	1.2	4.8	15.6	20.4	19.2
145°	1.2	3.6	13.2	16.8	15.6
147.5°	1.2	2.4	10.8	14.4	13.2
150°	1.2	2.4	8.4	12.0	10.8
152.5°	1.2	2.4	7.2	9.6	7.2
155°	1.2	2.4	4.8	7.2	4.8
157.5°	1.2	2.4	3.6	4.8	3.6
160°	1.2	2.4	3.6	3.6	1.2
162.5°	1.2	2.4	2.4	1.2	0.0
165°	1.2	2.4	2.4	0.0	0.0
167.5°	1.2	2.4	2.4	0.0	0.0
170°	1.2	2.4	2.4	0.0	0.0
172.5°	1.2	2.4	2.4	0.0	0.0
175°	2.4	2.4	2.4	0.0	0.0
177.5°	1.2	2.4	1.2	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)