

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-LD5-27SL-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: 4SRL-LD5-27SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

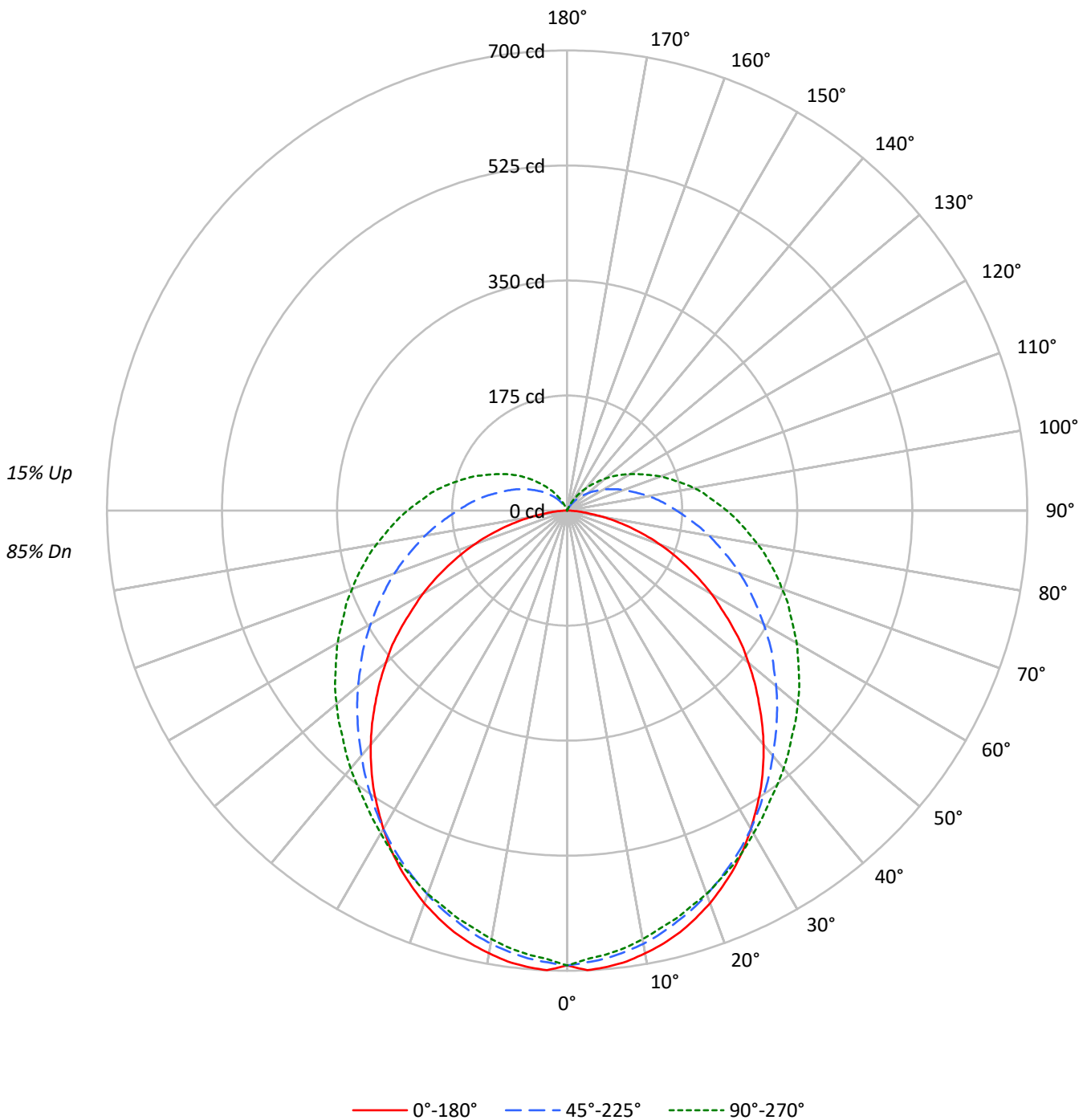
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2662.0 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 20.2
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

TEST NUMBER: P#
CATALOG NUMBER: 4SRL-LD5-27SL-LW-UNV-L830-CD1-U

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°	8125	8125	8125
5°	8181	7721	7551
10°	8090	7327	7064
15°	7976	6932	6625
20°	7811	6563	6240
25°	7621	6208	5888
30°	7386	5872	5551
35°	7146	5546	5260
40°	6864	5244	5037
45°	6549	4981	4819
50°	6235	4741	4661
55°	5888	4532	4512
60°	5523	4326	4397
65°	5068	4157	4285
70°	4569	4026	4218
75°	3883	3905	4177
80°	2930	3843	4164
85°	1667	3815	4182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	2.4
10°-20°	183.7	6.9
20°-30°	274.4	10.3
30°-40°	328.8	12.4
40°-50°	347.8	13.1
50°-60°	335.9	12.6
60°-70°	298.8	11.2
70°-80°	245.7	9.2
80°-90°	187.9	7.1
90°-100°	141.3	5.3
100°-110°	103.1	3.9
110°-120°	70.6	2.7
120°-130°	44.1	1.7
130°-140°	23.5	0.9
140°-150°	9.4	0.4
150°-160°	1.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	523.2	19.7
0°-40°	852.0	32.0
0°-60°	1535.7	57.7
0°-90°	2268.1	85.2
90°-120°	315.1	11.8
90°-150°	392.1	14.7
90°-180°	394.0	14.8
0°-180°	2662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	697	693	684	683	678	66
15°	664	657	647	647	642	187
25°	601	595	592	599	596	276
35°	514	512	523	538	538	321
45°	412	424	451	477	484	318
55°	306	334	381	418	430	274
65°	200	246	311	360	375	199
75°	100	166	248	304	321	106
85°	19	102	191	249	268	23
90°	0	78	166	224	243	1
95°	0	60	146	201	218	0
105°	0	38	107	157	172	0
115°	0	23	76	118	130	0
125°	0	14	52	83	93	0
135°	0	7	32	52	58	0
145°	0	2	14	27	31	0
155°	0	0	2	7	7	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-27SL-LW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.9	691.9	691.9	691.9	691.9
2.5°	699.8	695.8	687.9	686.9	682.9
5°	696.8	692.8	683.9	682.9	678.0
7.5°	691.9	686.9	677.0	676.0	671.0
10°	683.9	679.0	669.1	668.1	662.1
12.5°	675.0	670.0	659.1	658.2	651.2
15°	664.1	657.2	647.2	647.2	642.3
17.5°	650.2	644.3	635.4	636.3	630.4
20°	635.4	629.4	621.5	624.5	620.5
22.5°	618.5	611.6	606.6	610.6	607.6
25°	600.7	594.7	591.7	598.7	595.7
27.5°	580.8	574.9	575.9	582.8	581.8
30°	559.0	555.1	559.0	568.0	567.0
32.5°	536.2	534.3	541.2	553.1	553.1
35°	514.4	512.4	523.3	538.2	538.2
37.5°	489.6	490.6	505.5	522.4	525.3
40°	464.9	468.8	486.7	507.5	512.4
42.5°	439.1	446.0	468.8	491.6	498.6
45°	412.3	424.2	451.0	476.8	483.7
47.5°	386.6	401.4	433.2	462.9	471.8
50°	359.8	377.6	415.3	448.0	457.9
52.5°	335.0	355.8	396.5	433.2	445.0
55°	306.3	334.0	380.6	418.3	430.2
57.5°	278.5	311.2	362.8	403.4	416.3
60°	253.7	288.4	344.9	389.5	403.4
62.5°	227.0	266.6	328.1	374.7	388.5
65°	200.2	245.8	311.2	359.8	374.7
67.5°	175.4	224.0	295.4	345.9	362.8
70°	149.7	204.2	279.5	332.0	347.9
72.5°	124.9	184.4	263.7	317.2	335.0
75°	100.1	165.5	247.8	304.3	321.1
77.5°	76.3	147.7	232.9	290.4	308.3
80°	54.5	130.8	219.1	276.5	294.4
82.5°	34.7	115.0	205.2	262.7	280.5
85°	18.8	102.1	191.3	248.8	267.6
87.5°	6.9	88.2	178.4	236.9	255.7
90°	0.0	78.3	166.5	224.0	242.8
92.5°	0.0	68.4	155.6	212.1	230.0
95°	0.0	60.5	145.7	201.2	218.1
97.5°	0.0	53.5	135.8	190.3	208.2
100°	0.0	47.6	125.9	178.4	196.3
102.5°	0.0	41.6	116.0	167.5	184.4
105°	0.0	37.7	107.0	156.6	172.5
107.5°	0.0	33.7	99.1	147.7	161.6
110°	0.0	29.7	91.2	136.8	151.7



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-27SL-LW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.8	84.3	127.9	139.8
115°	0.0	22.8	76.3	118.0	129.8
117.5°	0.0	20.8	70.4	109.0	119.9
120°	0.0	17.8	63.4	100.1	111.0
122.5°	0.0	15.9	57.5	91.2	102.1
125°	0.0	13.9	51.5	83.3	93.2
127.5°	0.0	11.9	46.6	75.3	84.3
130°	0.0	9.9	40.6	67.4	75.3
132.5°	0.0	7.9	35.7	59.5	67.4
135°	0.0	6.9	31.7	52.5	58.5
137.5°	0.0	5.0	26.8	45.6	51.5
140°	0.0	4.0	22.8	39.6	43.6
142.5°	0.0	3.0	17.8	32.7	37.7
145°	0.0	2.0	13.9	26.8	30.7
147.5°	0.0	1.0	9.9	21.8	23.8
150°	0.0	1.0	6.9	16.9	17.8
152.5°	0.0	0.0	5.0	11.9	11.9
155°	0.0	0.0	2.0	6.9	6.9
157.5°	1.0	0.0	1.0	3.0	3.0
160°	1.0	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)