

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-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 (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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

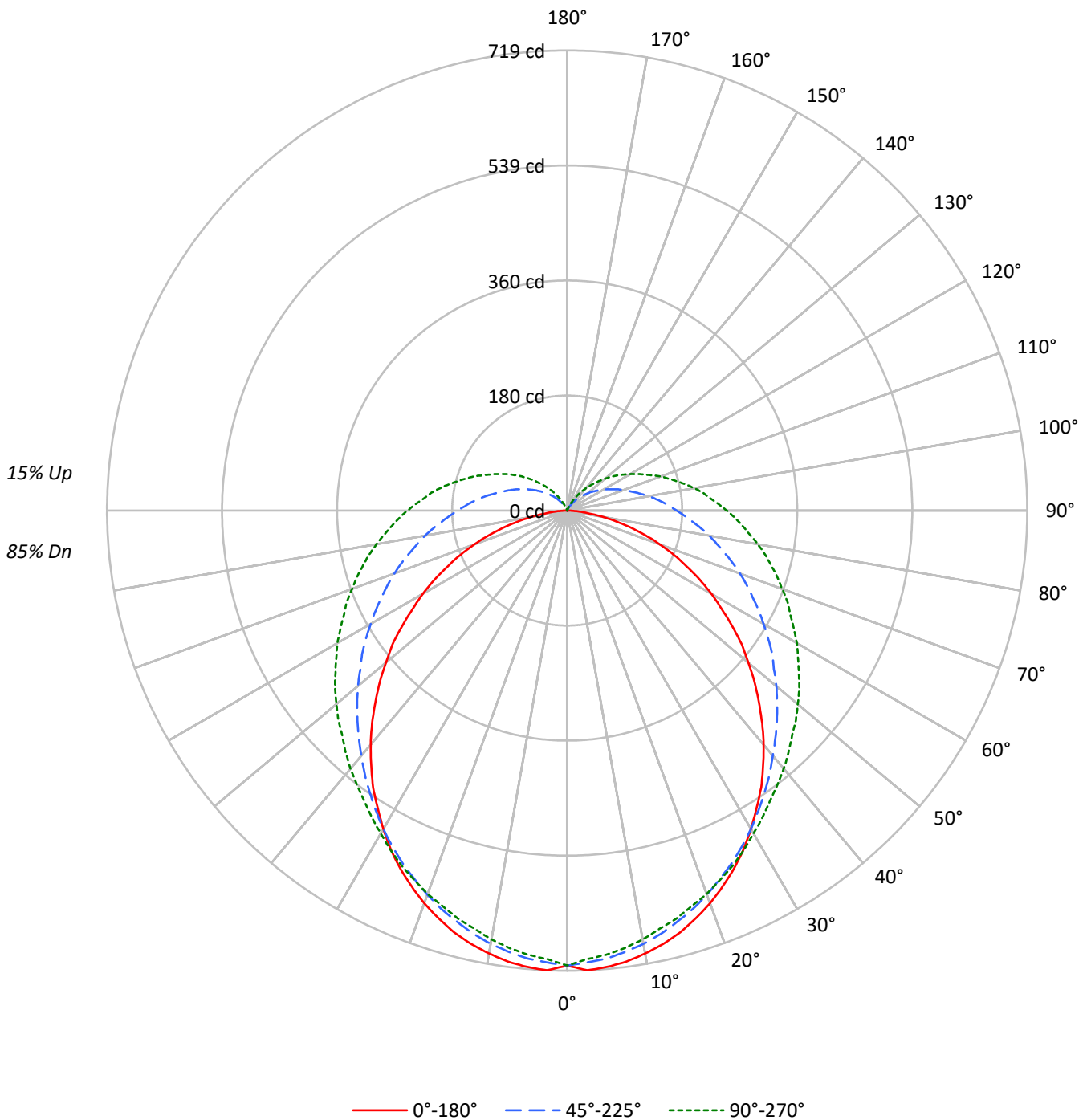
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2735.0 lumens
Efficiency: N/A
Efficacy: 135.4 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 (Ain): 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°	8347	8347	8347
5°	8405	7933	7759
10°	8312	7528	7258
15°	8195	7123	6806
20°	8025	6743	6411
25°	7829	6379	6049
30°	7589	6034	5703
35°	7342	5699	5404
40°	7052	5388	5175
45°	6729	5118	4952
50°	6407	4871	4790
55°	6050	4657	4635
60°	5676	4446	4518
65°	5208	4272	4402
70°	4694	4137	4333
75°	3991	4012	4292
80°	3011	3948	4279
85°	1711	3919	4298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	2.4
10°-20°	188.8	6.9
20°-30°	281.9	10.3
30°-40°	337.8	12.4
40°-50°	357.4	13.1
50°-60°	345.1	12.6
60°-70°	307.0	11.2
70°-80°	252.4	9.2
80°-90°	193.0	7.1
90°-100°	145.2	5.3
100°-110°	105.9	3.9
110°-120°	72.6	2.7
120°-130°	45.3	1.7
130°-140°	24.2	0.9
140°-150°	9.7	0.4
150°-160°	1.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	537.5	19.7
0°-40°	875.4	32.0
0°-60°	1577.9	57.7
0°-90°	2330.3	85.2
90°-120°	323.7	11.8
90°-150°	402.8	14.7
90°-180°	405.0	14.8
0°-180°	2735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	716	712	703	702	697	68
15°	682	675	665	665	660	192
25°	617	611	608	615	612	284
35°	528	526	538	553	553	330
45°	424	436	463	490	497	327
55°	315	343	391	430	442	282
65°	206	253	320	370	385	204
75°	103	170	255	313	330	109
85°	19	105	196	256	275	24
90°	0	80	171	230	250	1
95°	0	62	150	207	224	0
105°	0	39	110	161	177	0
115°	0	23	78	121	133	0
125°	0	14	53	86	96	0
135°	0	7	33	54	60	0
145°	0	2	14	28	32	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#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.8	710.8	710.8	710.8	710.8
2.5°	719.0	714.9	706.8	705.7	701.7
5°	715.9	711.8	702.7	701.7	696.6
7.5°	710.8	705.7	695.5	694.5	689.4
10°	702.7	697.6	687.4	686.4	680.3
12.5°	693.5	688.4	677.2	676.2	669.1
15°	682.3	675.2	665.0	665.0	659.9
17.5°	668.1	661.9	652.8	653.8	647.7
20°	652.8	646.7	638.5	641.6	637.5
22.5°	635.5	628.3	623.2	627.3	624.3
25°	617.1	611.0	608.0	615.1	612.0
27.5°	596.8	590.7	591.7	598.8	597.8
30°	574.4	570.3	574.4	583.5	582.5
32.5°	550.9	548.9	556.0	568.3	568.3
35°	528.5	526.5	537.7	553.0	553.0
37.5°	503.1	504.1	519.4	536.7	539.7
40°	477.6	481.7	500.0	521.4	526.5
42.5°	451.1	458.3	481.7	505.1	512.2
45°	423.6	435.9	463.4	489.8	497.0
47.5°	397.2	412.4	445.0	475.6	484.7
50°	369.7	388.0	426.7	460.3	470.5
52.5°	344.2	365.6	407.3	445.0	457.2
55°	314.7	343.2	391.1	429.8	442.0
57.5°	286.2	319.8	372.7	414.5	427.7
60°	260.7	296.3	354.4	400.2	414.5
62.5°	233.2	273.9	337.1	384.9	399.2
65°	205.7	252.6	319.8	369.7	384.9
67.5°	180.3	230.2	303.5	355.4	372.7
70°	153.8	209.8	287.2	341.2	357.4
72.5°	128.3	189.4	270.9	325.9	344.2
75°	102.9	170.1	254.6	312.6	330.0
77.5°	78.4	151.7	239.3	298.4	316.7
80°	56.0	134.4	225.1	284.1	302.5
82.5°	35.6	118.1	210.8	269.9	288.2
85°	19.3	104.9	196.5	255.6	275.0
87.5°	7.1	90.6	183.3	243.4	262.7
90°	0.0	80.5	171.1	230.2	249.5
92.5°	0.0	70.3	159.9	217.9	236.3
95°	0.0	62.1	149.7	206.7	224.0
97.5°	0.0	55.0	139.5	195.5	213.9
100°	0.0	48.9	129.3	183.3	201.6
102.5°	0.0	42.8	119.1	172.1	189.4
105°	0.0	38.7	110.0	160.9	177.2
107.5°	0.0	34.6	101.8	151.7	166.0
110°	0.0	30.6	93.7	140.5	155.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.5	86.6	131.4	143.6
115°	0.0	23.4	78.4	121.2	133.4
117.5°	0.0	21.4	72.3	112.0	123.2
120°	0.0	18.3	65.2	102.9	114.1
122.5°	0.0	16.3	59.1	93.7	104.9
125°	0.0	14.3	53.0	85.5	95.7
127.5°	0.0	12.2	47.9	77.4	86.6
130°	0.0	10.2	41.8	69.2	77.4
132.5°	0.0	8.1	36.7	61.1	69.2
135°	0.0	7.1	32.6	54.0	60.1
137.5°	0.0	5.1	27.5	46.8	53.0
140°	0.0	4.1	23.4	40.7	44.8
142.5°	0.0	3.1	18.3	33.6	38.7
145°	0.0	2.0	14.3	27.5	31.6
147.5°	0.0	1.0	10.2	22.4	24.4
150°	0.0	1.0	7.1	17.3	18.3
152.5°	0.0	0.0	5.1	12.2	12.2
155°	0.0	0.0	2.0	7.1	7.1
157.5°	1.0	0.0	1.0	3.1	3.1
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)