

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-L850-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-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

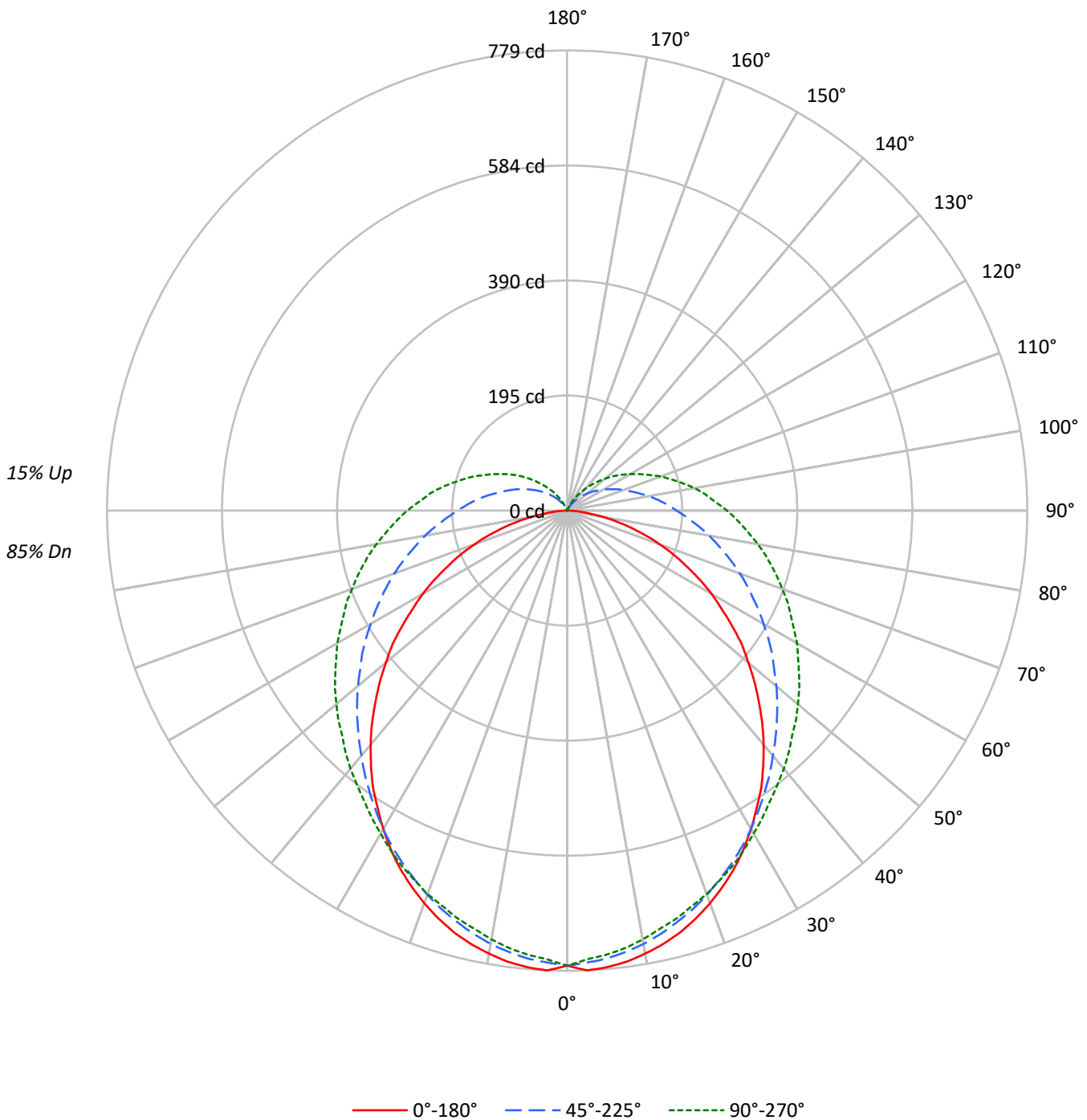
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2964.0 lumens
Efficiency: N/A
Efficacy: 146.7 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

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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	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°	9045	9045	9045
5°	9110	8597	8408
10°	9008	8159	7865
15°	8880	7720	7377
20°	8696	7308	6948
25°	8485	6914	6556
30°	8225	6539	6181
35°	7958	6175	5857
40°	7643	5839	5609
45°	7292	5547	5366
50°	6942	5279	5191
55°	6555	5047	5023
60°	6150	4818	4896
65°	5643	4629	4771
70°	5085	4483	4697
75°	4325	4347	4651
80°	3263	4277	4636
85°	1862	4248	4658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	2.4
10°-20°	204.6	6.9
20°-30°	305.5	10.3
30°-40°	366.1	12.4
40°-50°	387.3	13.1
50°-60°	374.0	12.6
60°-70°	332.7	11.2
70°-80°	273.6	9.2
80°-90°	209.2	7.1
90°-100°	157.3	5.3
100°-110°	114.8	3.9
110°-120°	78.7	2.7
120°-130°	49.1	1.7
130°-140°	26.2	0.9
140°-150°	10.5	0.4
150°-160°	2.0	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	582.5	19.7
0°-40°	948.6	32.0
0°-60°	1710.0	57.7
0°-90°	2525.4	85.2
90°-120°	350.8	11.8
90°-150°	436.6	14.7
90°-180°	439.0	14.8
0°-180°	2964.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	776	771	762	760	755	74
15°	739	732	721	721	715	208
25°	669	662	659	667	663	308
35°	573	571	583	599	599	358
45°	459	472	502	531	539	355
55°	341	372	424	466	479	305
65°	223	274	346	401	417	221
75°	112	184	276	339	358	118
85°	21	114	213	277	298	25
90°	0	87	185	249	270	1
95°	0	67	162	224	243	0
105°	0	42	119	174	192	0
115°	0	25	85	131	145	0
125°	0	16	57	93	104	0
135°	0	8	35	58	65	0
145°	0	2	16	30	34	0
155°	0	0	2	8	8	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770.3	770.3	770.3	770.3	770.3
2.5°	779.2	774.8	765.9	764.8	760.4
5°	775.9	771.4	761.5	760.4	754.9
7.5°	770.3	764.8	753.8	752.7	747.2
10°	761.5	756.0	745.0	743.9	737.2
12.5°	751.6	746.1	733.9	732.8	725.1
15°	739.4	731.7	720.7	720.7	715.2
17.5°	724.0	717.4	707.4	708.5	701.9
20°	707.4	700.8	692.0	695.3	690.9
22.5°	688.7	680.9	675.4	679.8	676.5
25°	668.8	662.2	658.9	666.6	663.3
27.5°	646.7	640.1	641.2	648.9	647.8
30°	622.5	618.0	622.5	632.4	631.3
32.5°	597.1	594.9	602.6	615.8	615.8
35°	572.8	570.6	582.7	599.3	599.3
37.5°	545.2	546.3	562.9	581.6	584.9
40°	517.6	522.0	541.9	565.1	570.6
42.5°	488.9	496.6	522.0	547.4	555.1
45°	459.1	472.4	502.2	530.9	538.6
47.5°	430.4	447.0	482.3	515.4	525.3
50°	400.6	420.5	462.4	498.8	509.9
52.5°	373.0	396.2	441.5	482.3	495.5
55°	341.0	371.9	423.8	465.7	479.0
57.5°	310.1	346.5	403.9	449.2	463.5
60°	282.5	321.2	384.1	433.7	449.2
62.5°	252.7	296.9	365.3	417.2	432.6
65°	222.9	273.7	346.5	400.6	417.2
67.5°	195.3	249.4	328.9	385.2	403.9
70°	166.6	227.4	311.2	369.7	387.4
72.5°	139.1	205.3	293.6	353.2	373.0
75°	111.5	184.3	275.9	338.8	357.6
77.5°	85.0	164.4	259.4	323.4	343.2
80°	60.7	145.7	243.9	307.9	327.8
82.5°	38.6	128.0	228.5	292.5	312.3
85°	21.0	113.7	213.0	277.0	298.0
87.5°	7.7	98.2	198.7	263.8	284.7
90°	0.0	87.2	185.4	249.4	270.4
92.5°	0.0	76.2	173.3	236.2	256.0
95°	0.0	67.3	162.2	224.0	242.8
97.5°	0.0	59.6	151.2	211.9	231.8
100°	0.0	53.0	140.2	198.7	218.5
102.5°	0.0	46.4	129.1	186.5	205.3
105°	0.0	41.9	119.2	174.4	192.0
107.5°	0.0	37.5	110.4	164.4	179.9
110°	0.0	33.1	101.5	152.3	168.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.8	93.8	142.4	155.6
115°	0.0	25.4	85.0	131.3	144.6
117.5°	0.0	23.2	78.4	121.4	133.5
120°	0.0	19.9	70.6	111.5	123.6
122.5°	0.0	17.7	64.0	101.5	113.7
125°	0.0	15.5	57.4	92.7	103.7
127.5°	0.0	13.2	51.9	83.9	93.8
130°	0.0	11.0	45.2	75.0	83.9
132.5°	0.0	8.8	39.7	66.2	75.0
135°	0.0	7.7	35.3	58.5	65.1
137.5°	0.0	5.5	29.8	50.8	57.4
140°	0.0	4.4	25.4	44.1	48.6
142.5°	0.0	3.3	19.9	36.4	41.9
145°	0.0	2.2	15.5	29.8	34.2
147.5°	0.0	1.1	11.0	24.3	26.5
150°	0.0	1.1	7.7	18.8	19.9
152.5°	0.0	0.0	5.5	13.2	13.2
155°	0.0	0.0	2.2	7.7	7.7
157.5°	1.1	0.0	1.1	3.3	3.3
160°	1.1	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)