

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-LD5-49SL-LN-UNV-L835-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-LD5-49SL-LN-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

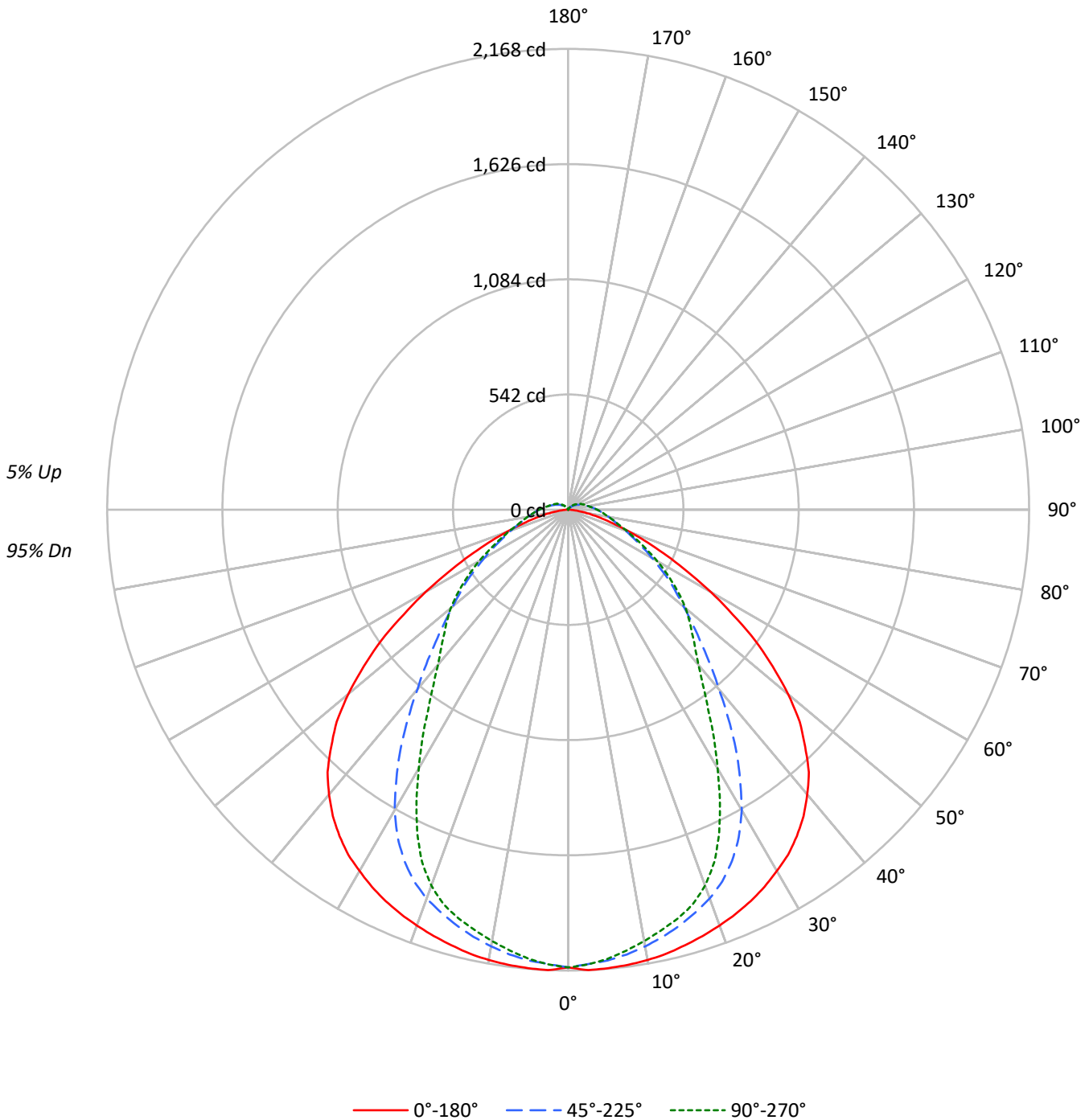
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4923.0 lumens
Efficiency: N/A
Efficacy: 134.1 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): 36.7
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	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°	25284	25284	25284
5°	25418	24032	23624
10°	25445	22841	21991
15°	25475	21687	20541
20°	25586	20556	18927
25°	25769	19131	16602
30°	25929	17150	13750
35°	26045	14578	11212
40°	25831	11890	9351
45°	25030	9737	8219
50°	23410	8084	7340
55°	20676	6901	6303
60°	16838	5725	5265
65°	12937	4795	4312
70°	9449	4105	3572
75°	6606	3629	3037
80°	4435	3364	2713
85°	2562	3205	2529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.9	4.1
10°-20°	576.2	11.7
20°-30°	841.8	17.1
30°-40°	899.1	18.3
40°-50°	792.4	16.1
50°-60°	601.6	12.2
60°-70°	383.6	7.8
70°-80°	228.8	4.6
80°-90°	143.7	2.9
90°-100°	95.1	1.9
100°-110°	64.7	1.3
110°-120°	43.5	0.9
120°-130°	26.9	0.5
130°-140°	14.2	0.3
140°-150°	6.1	0.1
150°-160°	2.0	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1620.9	32.9
0°-40°	2520.0	51.2
0°-60°	3914.0	79.5
0°-90°	4670.0	94.9
90°-120°	203.3	4.1
90°-150°	250.5	5.1
90°-180°	253.0	5.1
0°-180°	4923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2153	2153	2153	2153	2153	
5°	2165	2149	2129	2135	2121	206
15°	2121	2081	2025	2011	1992	600
25°	2031	1940	1823	1735	1680	937
35°	1875	1671	1376	1203	1147	1171
45°	1576	1186	882	830	825	1211
55°	1076	673	580	600	601	952
65°	511	346	359	380	377	516
75°	170	176	230	241	234	190
85°	29	95	161	169	162	35
90°	1	72	136	142	136	2
95°	0	55	114	120	114	0
105°	0	34	79	87	84	0
115°	0	21	55	65	64	0
125°	1	14	36	46	45	1
135°	1	8	22	28	27	1
145°	1	3	12	15	14	1
155°	1	2	4	6	4	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2153.2	2153.2	2153.2	2153.2	2153.2
2.5°	2168.2	2155.4	2139.3	2150.0	2141.4
5°	2165.0	2148.9	2128.6	2135.0	2121.1
7.5°	2159.6	2139.3	2110.4	2108.2	2092.2
10°	2151.1	2124.3	2085.7	2078.2	2061.1
12.5°	2139.3	2106.1	2057.9	2046.1	2025.7
15°	2121.1	2081.4	2024.7	2010.7	1991.5
17.5°	2102.9	2053.6	1987.2	1970.0	1947.5
20°	2081.4	2021.5	1946.5	1910.0	1882.2
22.5°	2059.0	1985.0	1892.9	1831.8	1795.4
25°	2031.1	1940.0	1823.3	1735.4	1679.7
27.5°	2000.0	1892.9	1737.6	1611.2	1544.7
30°	1962.5	1829.7	1632.6	1474.0	1404.4
32.5°	1925.0	1761.1	1504.0	1339.1	1275.9
35°	1874.7	1671.2	1375.5	1203.0	1147.3
37.5°	1817.9	1570.5	1235.2	1082.0	1041.3
40°	1749.4	1452.6	1103.4	981.3	951.3
42.5°	1675.4	1323.0	988.8	899.9	883.8
45°	1575.8	1185.9	881.6	830.2	824.9
47.5°	1477.3	1048.8	790.6	769.2	772.4
50°	1350.9	912.7	708.1	715.6	721.0
52.5°	1211.6	787.4	640.6	656.7	661.0
55°	1075.5	672.7	579.5	599.9	601.0
57.5°	917.0	572.0	513.1	544.2	541.0
60°	773.4	483.1	456.4	481.0	483.1
62.5°	632.0	410.3	406.0	427.4	426.4
65°	511.0	346.0	358.9	380.3	377.1
67.5°	406.0	289.2	319.2	337.4	329.9
70°	309.6	245.3	285.0	298.9	294.6
72.5°	232.5	207.8	255.0	267.8	260.3
75°	170.3	175.7	230.3	241.0	233.5
77.5°	122.1	151.0	211.0	217.5	212.1
80°	82.5	128.6	191.8	200.3	191.8
82.5°	52.5	110.3	175.7	183.2	175.7
85°	28.9	95.3	160.7	169.3	161.8
87.5°	12.9	82.5	147.8	155.3	148.9
90°	1.1	71.8	136.0	142.5	136.0
92.5°	0.0	62.1	124.3	131.8	125.3
95°	0.0	54.6	113.6	120.0	113.6
97.5°	0.0	48.2	103.9	110.3	105.0
100°	0.0	42.9	95.3	101.8	96.4
102.5°	0.0	37.5	86.8	94.3	90.0
105°	0.0	34.3	79.3	86.8	83.6
107.5°	0.0	30.0	72.8	81.4	79.3
110°	0.0	26.8	66.4	76.1	73.9



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.6	60.0	70.7	68.6
115°	0.0	21.4	54.6	65.3	64.3
117.5°	0.0	19.3	50.3	60.0	60.0
120°	1.1	17.1	46.1	55.7	54.6
122.5°	1.1	15.0	40.7	50.3	49.3
125°	1.1	13.9	36.4	46.1	45.0
127.5°	1.1	11.8	33.2	40.7	39.6
130°	1.1	10.7	28.9	36.4	35.4
132.5°	1.1	8.6	25.7	32.1	31.1
135°	1.1	7.5	22.5	27.9	26.8
137.5°	1.1	6.4	19.3	24.6	23.6
140°	1.1	5.4	17.1	21.4	20.4
142.5°	1.1	4.3	13.9	18.2	17.1
145°	1.1	3.2	11.8	15.0	13.9
147.5°	1.1	2.1	9.6	12.9	11.8
150°	1.1	2.1	7.5	10.7	9.6
152.5°	1.1	2.1	6.4	8.6	6.4
155°	1.1	2.1	4.3	6.4	4.3
157.5°	1.1	2.1	3.2	4.3	3.2
160°	1.1	2.1	3.2	3.2	1.1
162.5°	1.1	2.1	2.1	1.1	0.0
165°	1.1	2.1	2.1	0.0	0.0
167.5°	1.1	2.1	2.1	0.0	0.0
170°	1.1	2.1	2.1	0.0	0.0
172.5°	1.1	2.1	2.1	0.0	0.0
175°	2.1	2.1	2.1	0.0	0.0
177.5°	1.1	2.1	1.1	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)