

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-LD5-46SL-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-LD5-46SL-LN-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

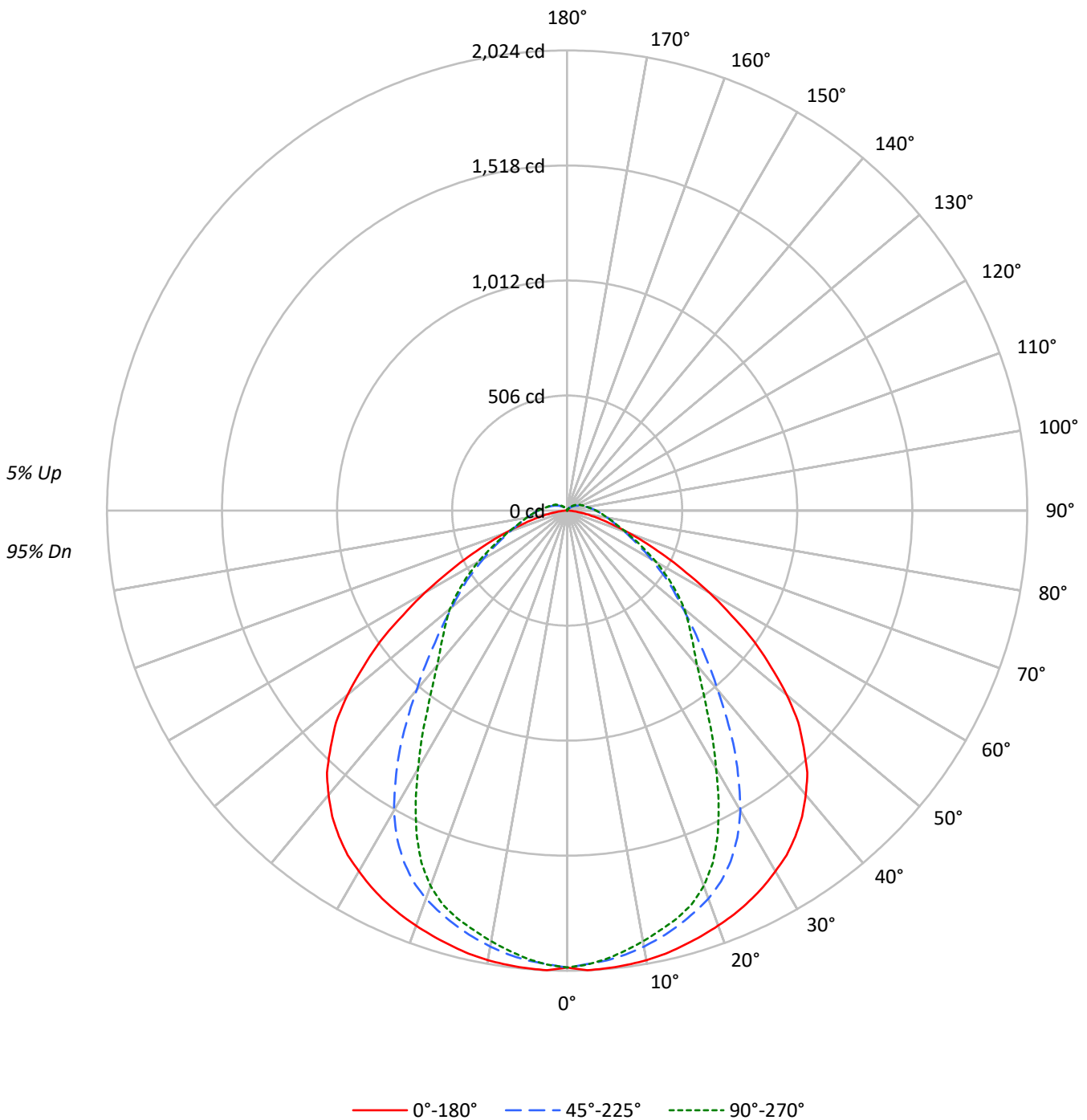
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4595.1 lumens
Efficiency: N/A
Efficacy: 136.4 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): 33.7
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23600	23600	23600
5°	23725	22431	22050
10°	23750	21320	20526
15°	23778	20242	19172
20°	23882	19186	17666
25°	24053	17856	15496
30°	24202	16007	12833
35°	24309	13606	10466
40°	24109	11098	8728
45°	23363	9089	7671
50°	21849	7545	6850
55°	19299	6441	5882
60°	15716	5343	4914
65°	12074	4475	4025
70°	8821	3832	3334
75°	6167	3388	2836
80°	4140	3139	2532
85°	2394	2991	2360



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	4.1
10°-20°	537.8	11.7
20°-30°	785.7	17.1
30°-40°	839.2	18.3
40°-50°	739.6	16.1
50°-60°	561.5	12.2
60°-70°	358.0	7.8
70°-80°	213.6	4.6
80°-90°	134.2	2.9
90°-100°	88.8	1.9
100°-110°	60.4	1.3
110°-120°	40.6	0.9
120°-130°	25.1	0.5
130°-140°	13.3	0.3
140°-150°	5.7	0.1
150°-160°	1.8	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1512.9	32.9
0°-40°	2352.1	51.2
0°-60°	3653.2	79.5
0°-90°	4358.9	94.9
90°-120°	189.7	4.1
90°-150°	233.8	5.1
90°-180°	236.0	5.1
0°-180°	4595.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2010	2010	2010	2010	2010	
5°	2021	2006	1987	1993	1980	192
15°	1980	1943	1890	1877	1859	560
25°	1896	1811	1702	1620	1568	875
35°	1750	1560	1284	1123	1071	1093
45°	1471	1107	823	775	770	1131
55°	1004	628	541	560	561	888
65°	477	323	335	355	352	481
75°	159	164	215	225	218	177
85°	27	89	150	158	151	33
90°	1	67	127	133	127	2
95°	0	51	106	112	106	0
105°	0	32	74	81	78	0
115°	0	20	51	61	60	0
125°	1	13	34	43	42	1
135°	1	7	21	26	25	1
145°	1	3	11	14	13	1
155°	1	2	4	6	4	0
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2009.8	2009.8	2009.8	2009.8	2009.8
2.5°	2023.8	2011.8	1996.8	2006.8	1998.8
5°	2020.8	2005.8	1986.8	1992.8	1979.8
7.5°	2015.8	1996.8	1969.8	1967.8	1952.8
10°	2007.8	1982.8	1946.8	1939.8	1923.8
12.5°	1996.8	1965.8	1920.8	1909.8	1890.8
15°	1979.8	1942.8	1889.8	1876.8	1858.8
17.5°	1962.8	1916.8	1854.8	1838.8	1817.8
20°	1942.8	1886.8	1816.8	1782.8	1756.8
22.5°	1921.8	1852.8	1766.8	1709.8	1675.8
25°	1895.8	1810.8	1701.8	1619.8	1567.8
27.5°	1866.8	1766.8	1621.8	1503.8	1441.8
30°	1831.8	1707.8	1523.8	1375.8	1310.8
32.5°	1796.8	1643.8	1403.8	1249.9	1190.9
35°	1749.8	1559.8	1283.8	1122.9	1070.9
37.5°	1696.8	1465.8	1152.9	1009.9	971.9
40°	1632.8	1355.8	1029.9	915.9	887.9
42.5°	1563.8	1234.9	922.9	839.9	824.9
45°	1470.8	1106.9	822.9	774.9	769.9
47.5°	1378.8	978.9	737.9	717.9	720.9
50°	1260.8	851.9	660.9	667.9	672.9
52.5°	1130.9	734.9	597.9	612.9	616.9
55°	1003.9	627.9	540.9	559.9	560.9
57.5°	855.9	533.9	478.9	507.9	504.9
60°	721.9	450.9	425.9	448.9	450.9
62.5°	589.9	383.0	379.0	399.0	398.0
65°	476.9	323.0	335.0	355.0	352.0
67.5°	379.0	270.0	298.0	315.0	308.0
70°	289.0	229.0	266.0	279.0	275.0
72.5°	217.0	194.0	238.0	250.0	243.0
75°	159.0	164.0	215.0	225.0	218.0
77.5°	114.0	141.0	197.0	203.0	198.0
80°	77.0	120.0	179.0	187.0	179.0
82.5°	49.0	103.0	164.0	171.0	164.0
85°	27.0	89.0	150.0	158.0	151.0
87.5°	12.0	77.0	138.0	145.0	139.0
90°	1.0	67.0	127.0	133.0	127.0
92.5°	0.0	58.0	116.0	123.0	117.0
95°	0.0	51.0	106.0	112.0	106.0
97.5°	0.0	45.0	97.0	103.0	98.0
100°	0.0	40.0	89.0	95.0	90.0
102.5°	0.0	35.0	81.0	88.0	84.0
105°	0.0	32.0	74.0	81.0	78.0
107.5°	0.0	28.0	68.0	76.0	74.0
110°	0.0	25.0	62.0	71.0	69.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.0	56.0	66.0	64.0
115°	0.0	20.0	51.0	61.0	60.0
117.5°	0.0	18.0	47.0	56.0	56.0
120°	1.0	16.0	43.0	52.0	51.0
122.5°	1.0	14.0	38.0	47.0	46.0
125°	1.0	13.0	34.0	43.0	42.0
127.5°	1.0	11.0	31.0	38.0	37.0
130°	1.0	10.0	27.0	34.0	33.0
132.5°	1.0	8.0	24.0	30.0	29.0
135°	1.0	7.0	21.0	26.0	25.0
137.5°	1.0	6.0	18.0	23.0	22.0
140°	1.0	5.0	16.0	20.0	19.0
142.5°	1.0	4.0	13.0	17.0	16.0
145°	1.0	3.0	11.0	14.0	13.0
147.5°	1.0	2.0	9.0	12.0	11.0
150°	1.0	2.0	7.0	10.0	9.0
152.5°	1.0	2.0	6.0	8.0	6.0
155°	1.0	2.0	4.0	6.0	4.0
157.5°	1.0	2.0	3.0	4.0	3.0
160°	1.0	2.0	3.0	3.0	1.0
162.5°	1.0	2.0	2.0	1.0	0.0
165°	1.0	2.0	2.0	0.0	0.0
167.5°	1.0	2.0	2.0	0.0	0.0
170°	1.0	2.0	2.0	0.0	0.0
172.5°	1.0	2.0	2.0	0.0	0.0
175°	2.0	2.0	2.0	0.0	0.0
177.5°	1.0	2.0	1.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)