

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-LD5-41SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-41SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

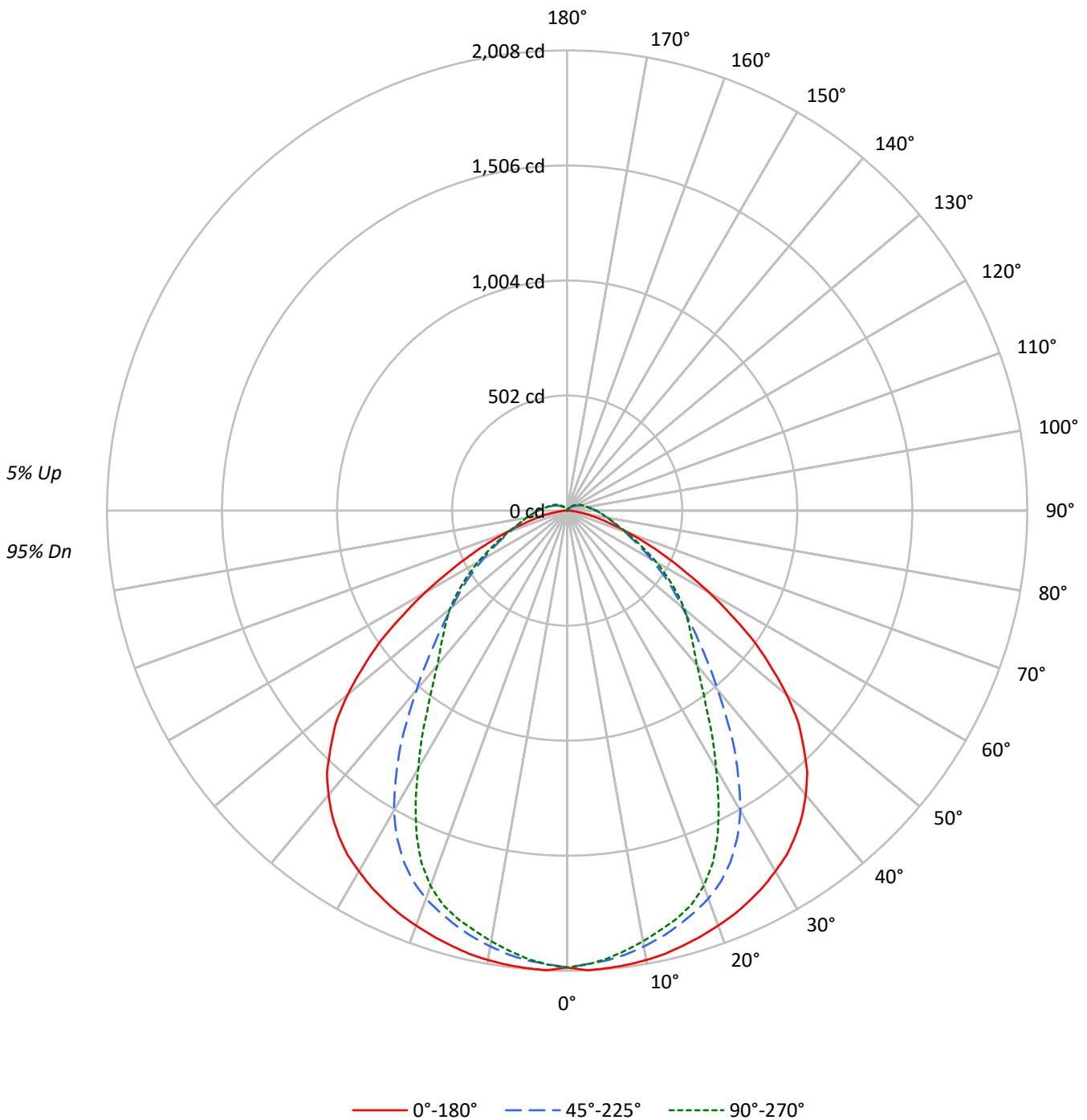
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4558.0 lumens
Efficiency: N/A
Efficacy: 154.0 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): 29.6
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°	23410	23410	23410
5°	23534	22250	21872
10°	23558	21148	20360
15°	23586	20080	19017
20°	23689	19032	17524
25°	23859	17713	15371
30°	24007	15878	12731
35°	24114	13497	10381
40°	23916	11008	8657
45°	23175	9016	7609
50°	21674	7485	6795
55°	19144	6390	5835
60°	15590	5300	4875
65°	11978	4439	3992
70°	8747	3800	3308
75°	6117	3359	2812
80°	4107	3113	2511
85°	2376	2968	2341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	4.1
10°-20°	533.5	11.7
20°-30°	779.4	17.1
30°-40°	832.4	18.3
40°-50°	733.6	16.1
50°-60°	557.0	12.2
60°-70°	355.1	7.8
70°-80°	211.8	4.6
80°-90°	133.1	2.9
90°-100°	88.1	1.9
100°-110°	59.9	1.3
110°-120°	40.2	0.9
120°-130°	24.9	0.5
130°-140°	13.2	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°	1500.7	32.9
0°-40°	2333.1	51.2
0°-60°	3623.8	79.5
0°-90°	4323.8	94.9
90°-120°	188.2	4.1
90°-150°	231.9	5.1
90°-180°	234.0	5.1
0°-180°	4558.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1994	1994	1994	1994	1994	
5°	2004	1990	1971	1977	1964	191
15°	1964	1927	1875	1862	1844	555
25°	1880	1796	1688	1607	1555	868
35°	1736	1547	1274	1114	1062	1084
45°	1459	1098	816	769	764	1122
55°	996	623	537	555	556	881
65°	473	320	332	352	349	478
75°	158	163	213	223	216	176
85°	27	88	149	157	150	33
90°	1	66	126	132	126	2
95°	0	51	105	111	105	0
105°	0	32	73	80	77	0
115°	0	20	51	60	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°	1993.6	1993.6	1993.6	1993.6	1993.6
2.5°	2007.5	1995.6	1980.7	1990.6	1982.7
5°	2004.5	1989.6	1970.8	1976.7	1963.8
7.5°	1999.5	1980.7	1953.9	1951.9	1937.0
10°	1991.6	1966.8	1931.1	1924.1	1908.3
12.5°	1980.7	1949.9	1905.3	1894.4	1875.5
15°	1963.8	1927.1	1874.6	1861.7	1843.8
17.5°	1947.0	1901.3	1839.8	1824.0	1803.1
20°	1927.1	1871.6	1802.2	1768.4	1742.6
22.5°	1906.3	1837.9	1752.6	1696.0	1662.3
25°	1880.5	1796.2	1688.1	1606.8	1555.2
27.5°	1851.7	1752.6	1608.7	1491.7	1430.2
30°	1817.0	1694.0	1511.5	1364.8	1300.3
32.5°	1782.3	1630.6	1392.5	1239.8	1181.3
35°	1735.7	1547.3	1273.5	1113.8	1062.2
37.5°	1683.1	1454.0	1143.6	1001.7	964.1
40°	1619.7	1344.9	1021.6	908.5	880.7
42.5°	1551.2	1224.9	915.5	833.1	818.3
45°	1459.0	1098.0	816.3	768.7	763.7
47.5°	1367.7	971.0	732.0	712.1	715.1
50°	1250.7	845.0	655.6	662.5	667.5
52.5°	1121.8	729.0	593.1	608.0	612.0
55°	995.8	622.9	536.6	555.4	556.4
57.5°	849.0	529.6	475.1	503.8	500.9
60°	716.1	447.3	422.5	445.3	447.3
62.5°	585.2	379.9	375.9	395.7	394.7
65°	473.1	320.4	332.3	352.1	349.1
67.5°	375.9	267.8	295.6	312.4	305.5
70°	286.6	227.1	263.8	276.7	272.8
72.5°	215.2	192.4	236.1	248.0	241.0
75°	157.7	162.7	213.2	223.2	216.2
77.5°	113.1	139.8	195.4	201.3	196.4
80°	76.4	119.0	177.5	185.5	177.5
82.5°	48.6	102.2	162.7	169.6	162.7
85°	26.8	88.3	148.8	156.7	149.8
87.5°	11.9	76.4	136.9	143.8	137.9
90°	1.0	66.5	126.0	131.9	126.0
92.5°	0.0	57.5	115.1	122.0	116.0
95°	0.0	50.6	105.1	111.1	105.1
97.5°	0.0	44.6	96.2	102.2	97.2
100°	0.0	39.7	88.3	94.2	89.3
102.5°	0.0	34.7	80.3	87.3	83.3
105°	0.0	31.7	73.4	80.3	77.4
107.5°	0.0	27.8	67.4	75.4	73.4
110°	0.0	24.8	61.5	70.4	68.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.8	55.5	65.5	63.5
115°	0.0	19.8	50.6	60.5	59.5
117.5°	0.0	17.9	46.6	55.5	55.5
120°	1.0	15.9	42.6	51.6	50.6
122.5°	1.0	13.9	37.7	46.6	45.6
125°	1.0	12.9	33.7	42.6	41.7
127.5°	1.0	10.9	30.7	37.7	36.7
130°	1.0	9.9	26.8	33.7	32.7
132.5°	1.0	7.9	23.8	29.8	28.8
135°	1.0	6.9	20.8	25.8	24.8
137.5°	1.0	6.0	17.9	22.8	21.8
140°	1.0	5.0	15.9	19.8	18.8
142.5°	1.0	4.0	12.9	16.9	15.9
145°	1.0	3.0	10.9	13.9	12.9
147.5°	1.0	2.0	8.9	11.9	10.9
150°	1.0	2.0	6.9	9.9	8.9
152.5°	1.0	2.0	6.0	7.9	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)