

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-LD5-53SL-LC-UNV-L830-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-53SL-LC-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

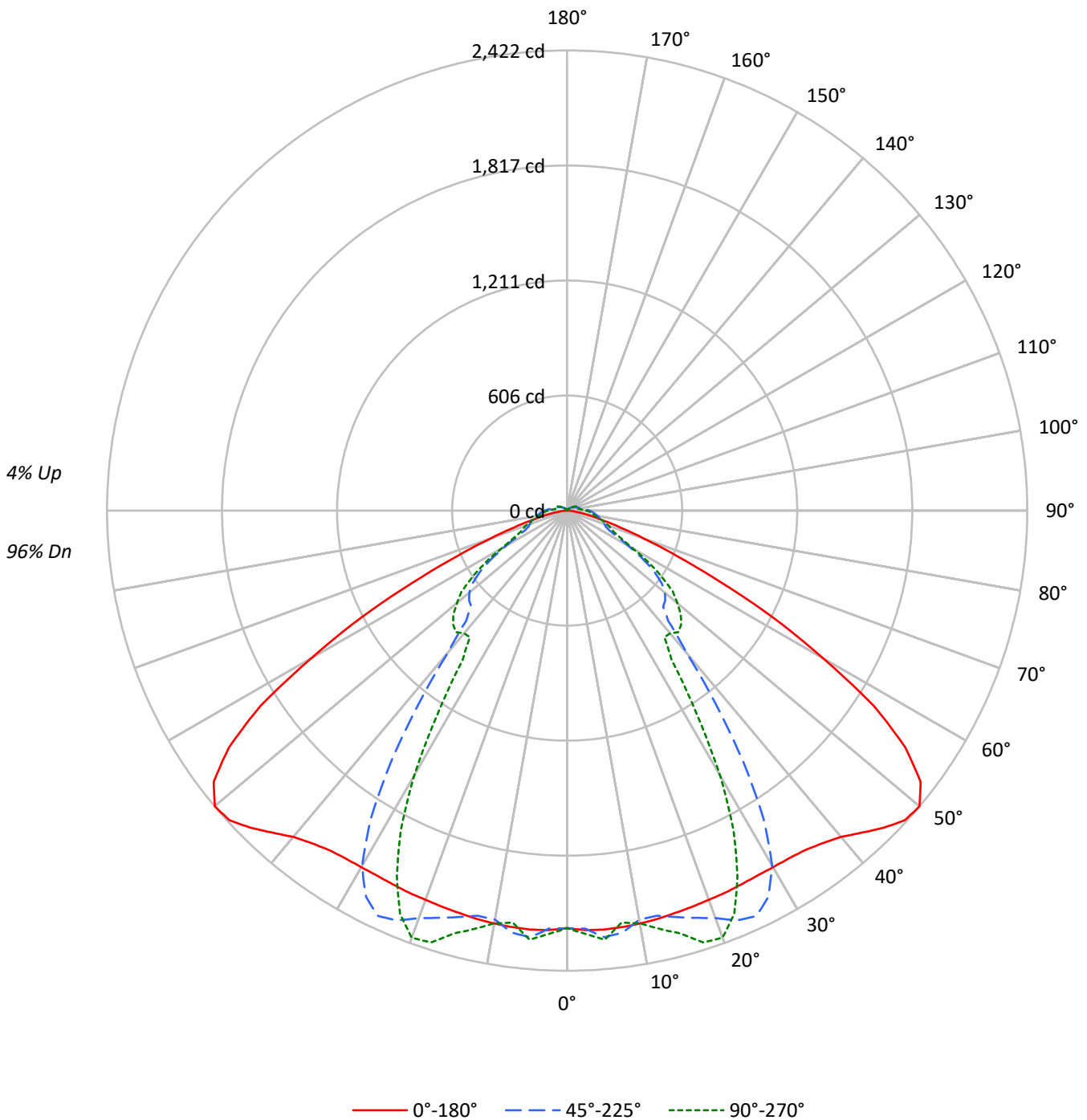
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5300.0 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39.9
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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25806	25806	25806
5°	25988	25450	25245
10°	26103	23943	23532
15°	26340	23721	23763
20°	26793	24103	24055
25°	27538	24708	20961
30°	28632	22671	15772
35°	30311	17144	9368
40°	33100	10501	8289
45°	37476	7891	8459
50°	41963	7666	7699
55°	41771	6651	6367
60°	33915	4694	4313
65°	22552	3248	3129
70°	13008	3012	2824
75°	7149	2958	2397
80°	3952	2836	2047
85°	1800	2796	2015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	4.0
10°-20°	637.2	12.0
20°-30°	1014.1	19.1
30°-40°	1033.5	19.5
40°-50°	872.9	16.5
50°-60°	672.8	12.7
60°-70°	347.6	6.6
70°-80°	192.1	3.6
80°-90°	122.2	2.3
90°-100°	75.2	1.4
100°-110°	48.5	0.9
110°-120°	35.2	0.7
120°-130°	20.3	0.4
130°-140°	9.8	0.2
140°-150°	4.1	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1863.7	35.2
0°-40°	2897.2	54.7
0°-60°	4442.9	83.8
0°-90°	5104.8	96.3
90°-120°	158.9	3.0
90°-150°	193.1	3.6
90°-180°	195.0	3.7
0°-180°	5300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2198	2198	2198	2198	2198	
5°	2214	2221	2254	2276	2267	211
15°	2193	2194	2215	2294	2304	621
25°	2170	2185	2355	2240	2121	1005
35°	2182	2285	1618	1100	959	1377
45°	2359	1377	714	824	849	1822
55°	2173	506	558	607	607	1881
65°	891	232	243	274	274	919
75°	184	153	188	189	184	222
85°	20	100	140	136	129	28
90°	0	77	116	107	100	1
95°	0	60	93	81	75	0
105°	0	36	61	56	53	0
115°	1	22	44	53	52	1
125°	1	11	28	34	30	1
135°	1	6	16	19	16	1
145°	1	2	8	10	8	1
155°	1	1	3	4	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2197.7	2197.7	2197.7	2197.7	2197.7
2.5°	2210.1	2202.2	2202.2	2230.4	2230.4
5°	2213.5	2221.4	2254.2	2275.7	2266.6
7.5°	2211.2	2247.4	2239.5	2207.8	2187.5
10°	2206.7	2261.0	2186.3	2207.8	2205.6
12.5°	2201.0	2240.6	2184.1	2259.8	2255.3
15°	2193.1	2194.3	2214.6	2293.7	2303.9
17.5°	2186.3	2164.9	2247.4	2353.7	2383.1
20°	2179.6	2155.8	2282.4	2404.5	2392.1
22.5°	2176.2	2163.7	2334.4	2366.1	2297.1
25°	2170.5	2185.2	2354.8	2239.5	2120.8
27.5°	2166.0	2210.1	2292.6	2023.6	1896.9
30°	2167.1	2245.1	2158.1	1770.3	1610.9
32.5°	2170.5	2279.0	1924.1	1431.2	1266.1
35°	2181.8	2284.7	1617.7	1100.0	958.6
37.5°	2206.7	2222.5	1284.2	870.5	839.9
40°	2241.7	2034.9	974.5	812.8	843.3
42.5°	2298.3	1719.5	787.9	821.9	867.1
45°	2359.3	1376.9	714.5	824.1	849.0
47.5°	2411.3	1016.3	699.8	793.6	811.7
50°	2421.5	765.3	671.5	745.0	756.3
52.5°	2344.6	604.8	626.3	680.5	700.9
55°	2172.8	506.5	558.5	607.1	607.1
57.5°	1913.9	429.6	469.1	515.5	511.0
60°	1557.8	353.8	374.2	402.5	395.7
62.5°	1225.4	283.8	290.5	321.1	325.6
65°	890.8	231.7	243.1	273.6	273.6
67.5°	625.2	197.8	219.3	247.6	249.8
70°	426.2	178.6	209.1	231.7	232.9
72.5°	290.5	165.1	199.0	211.4	208.0
75°	184.3	152.6	187.7	188.8	184.3
77.5°	119.8	139.0	176.4	167.3	163.9
80°	73.5	125.5	161.7	150.4	144.7
82.5°	41.8	111.9	150.4	142.4	136.8
85°	20.3	99.5	140.2	135.7	128.9
87.5°	7.9	88.2	128.9	122.1	115.3
90°	0.0	76.9	116.4	107.4	99.5
92.5°	0.0	67.8	104.0	92.7	85.9
95°	0.0	59.9	92.7	81.4	74.6
97.5°	0.0	53.1	82.5	72.4	64.4
100°	0.0	47.5	74.6	64.4	58.8
102.5°	0.0	41.8	66.7	59.9	56.5
105°	0.0	36.2	61.0	56.5	53.1
107.5°	0.0	31.7	55.4	54.3	52.0
110°	0.0	28.3	52.0	53.1	54.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.9	47.5	54.3	55.4
115°	1.1	21.5	44.1	53.1	52.0
117.5°	1.1	18.1	39.6	47.5	45.2
120°	1.1	15.8	36.2	43.0	39.6
122.5°	1.1	13.6	31.7	37.3	35.0
125°	1.1	11.3	28.3	33.9	30.5
127.5°	1.1	10.2	24.9	29.4	27.1
130°	1.1	9.0	21.5	26.0	23.7
132.5°	1.1	6.8	19.2	22.6	19.2
135°	1.1	5.7	15.8	19.2	15.8
137.5°	1.1	4.5	13.6	15.8	13.6
140°	1.1	3.4	11.3	13.6	11.3
142.5°	1.1	3.4	9.0	12.4	9.0
145°	1.1	2.3	7.9	10.2	7.9
147.5°	1.1	2.3	6.8	9.0	6.8
150°	1.1	2.3	5.7	7.9	4.5
152.5°	1.1	1.1	4.5	6.8	3.4
155°	1.1	1.1	3.4	4.5	2.3
157.5°	1.1	1.1	3.4	3.4	2.3
160°	1.1	1.1	3.4	3.4	1.1
162.5°	1.1	1.1	2.3	2.3	0.0
165°	1.1	2.3	2.3	2.3	0.0
167.5°	1.1	2.3	2.3	2.3	0.0
170°	1.1	2.3	2.3	2.3	0.0
172.5°	1.1	2.3	2.3	2.3	0.0
175°	2.3	2.3	2.3	2.3	0.0
177.5°	2.3	2.3	2.3	2.3	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)