

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: P218116

Luminaire Tested: **4SNLED-LD5-66SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-66SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6603.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

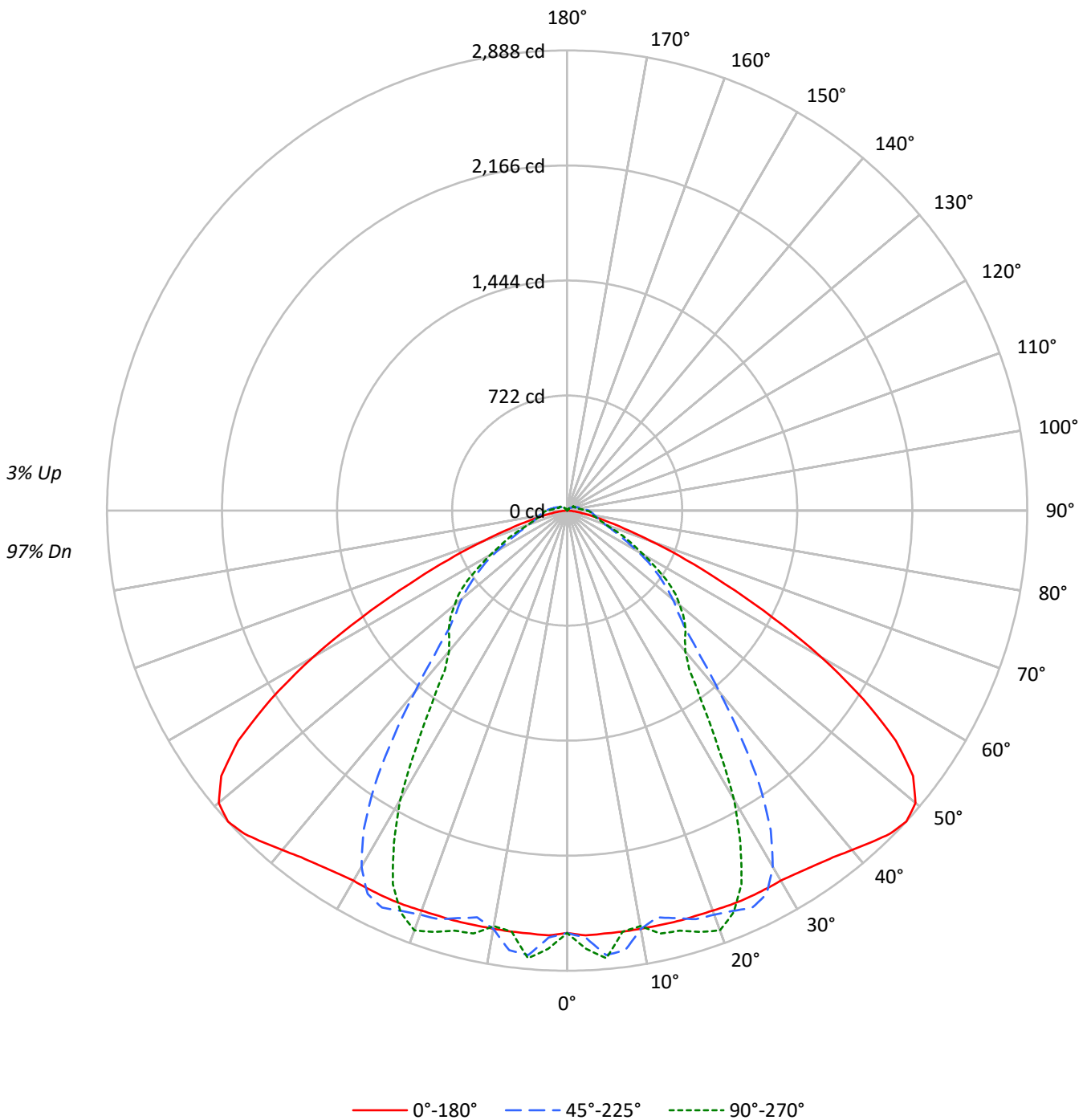
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	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	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42725	42725	42725
5°	42950	42550	41950
10°	43287	38593	36834
15°	44022	36894	35907
20°	45128	36494	35245
25°	46772	36385	31372
30°	48726	33687	24703
35°	51902	27353	17116
40°	56494	19320	13174
45°	62728	13740	11969
50°	68156	11543	10547
55°	66803	9479	8793
60°	55426	7175	6574
65°	38298	5192	4833
70°	23842	3947	3313
75°	13461	3366	2622
80°	7600	3147	2255
85°	3379	3050	2261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.6	3.9
10°-20°	767.6	11.6
20°-30°	1219.7	18.5
30°-40°	1315.2	19.9
40°-50°	1133.5	17.2
50°-60°	858.2	13.0
60°-70°	463.6	7.0
70°-80°	220.2	3.3
80°-90°	138.3	2.1
90°-100°	88.0	1.3
100°-110°	56.3	0.9
110°-120°	37.7	0.6
120°-130°	24.9	0.4
130°-140°	12.2	0.2
140°-150°	5.2	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2248.0	34.0
0°-40°	3563.1	54.0
0°-60°	5554.8	84.1
0°-90°	6376.8	96.6
90°-120°	182.0	2.8
90°-150°	224.2	3.4
90°-180°	226.0	3.4
0°-180°	6603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2652	2652	2652	2652	2652	
5°	2665	2722	2800	2837	2820	254
15°	2668	2739	2648	2739	2729	756
25°	2682	2631	2749	2675	2587	1240
35°	2716	2614	2108	1611	1479	1711
45°	2868	1797	1047	1037	1050	2207
55°	2520	777	692	757	760	2192
65°	1094	331	351	395	399	1124
75°	250	172	203	203	199	294
85°	27	105	155	155	152	39
90°	0	81	135	132	122	1
95°	0	64	108	98	91	0
105°	0	40	74	68	61	0
115°	0	24	51	51	51	0
125°	0	14	34	44	40	0
135°	0	7	20	24	24	0
145°	0	3	10	14	10	0
155°	0	3	3	7	3	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°	2651.5	2651.5	2651.5	2651.5	2651.5
2.5°	2668.4	2671.7	2681.9	2732.5	2752.8
5°	2665.0	2722.4	2800.1	2837.2	2820.4
7.5°	2665.0	2783.2	2783.2	2712.3	2665.0
10°	2665.0	2817.0	2665.0	2651.5	2648.1
12.5°	2665.0	2796.7	2614.3	2708.9	2719.0
15°	2668.4	2739.3	2648.1	2739.3	2729.2
17.5°	2668.4	2671.7	2688.6	2759.6	2773.1
20°	2671.7	2627.8	2698.8	2813.6	2803.5
22.5°	2678.5	2621.1	2719.0	2790.0	2729.2
25°	2681.9	2631.2	2749.4	2675.1	2587.3
27.5°	2681.9	2644.7	2712.3	2499.5	2354.2
30°	2681.9	2651.5	2580.5	2256.3	2094.2
32.5°	2695.4	2644.7	2377.9	1938.8	1763.1
35°	2715.6	2614.3	2107.7	1611.1	1479.4
37.5°	2742.7	2533.3	1790.2	1347.7	1259.9
40°	2779.8	2357.6	1486.2	1178.8	1151.8
42.5°	2823.7	2100.9	1236.2	1094.4	1094.4
45°	2867.6	1796.9	1047.1	1036.9	1050.5
47.5°	2887.9	1499.7	942.4	979.5	993.0
50°	2854.1	1222.7	864.7	915.3	922.1
52.5°	2735.9	976.1	776.9	837.7	854.6
55°	2519.7	776.9	692.4	756.6	760.0
57.5°	2205.6	618.1	604.6	655.3	651.9
60°	1844.2	499.9	506.7	557.3	557.3
62.5°	1455.8	405.3	425.6	469.5	466.1
65°	1094.4	331.0	351.3	395.2	398.6
67.5°	807.3	273.6	297.2	327.6	320.9
70°	564.1	229.7	253.3	270.2	263.5
72.5°	374.9	195.9	222.9	229.7	226.3
75°	249.9	172.3	202.7	202.7	199.3
77.5°	162.1	152.0	189.1	185.8	179.0
80°	101.3	135.1	175.6	168.9	162.1
82.5°	60.8	118.2	165.5	158.8	152.0
85°	27.0	104.7	155.4	155.4	152.0
87.5°	10.1	94.6	145.2	148.6	141.9
90°	0.0	81.1	135.1	131.7	121.6
92.5°	0.0	74.3	121.6	111.5	104.7
95°	0.0	64.2	108.1	98.0	91.2
97.5°	0.0	57.4	98.0	87.8	81.1
100°	0.0	50.7	87.8	77.7	70.9
102.5°	0.0	43.9	81.1	70.9	67.6
105°	0.0	40.5	74.3	67.6	60.8
107.5°	0.0	37.2	67.6	60.8	57.4
110°	0.0	30.4	60.8	57.4	54.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.0	54.0	54.0	54.0
115°	0.0	23.6	50.7	50.7	50.7
117.5°	0.0	20.3	43.9	50.7	50.7
120°	0.0	20.3	40.5	47.3	47.3
122.5°	0.0	16.9	37.2	47.3	47.3
125°	0.0	13.5	33.8	43.9	40.5
127.5°	0.0	10.1	30.4	37.2	37.2
130°	0.0	10.1	27.0	33.8	30.4
132.5°	0.0	6.8	23.6	27.0	27.0
135°	0.0	6.8	20.3	23.6	23.6
137.5°	0.0	6.8	16.9	20.3	16.9
140°	0.0	3.4	13.5	16.9	13.5
142.5°	0.0	3.4	13.5	16.9	13.5
145°	0.0	3.4	10.1	13.5	10.1
147.5°	0.0	3.4	6.8	10.1	10.1
150°	0.0	3.4	6.8	10.1	6.8
152.5°	0.0	3.4	6.8	6.8	3.4
155°	0.0	3.4	3.4	6.8	3.4
157.5°	0.0	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	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)