

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: P218112

Luminaire Tested: **4SNLED-LD5-63SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218112
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-LD5-63SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6340.0 lumens
Efficiency: N/A
Efficacy: 123.1 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

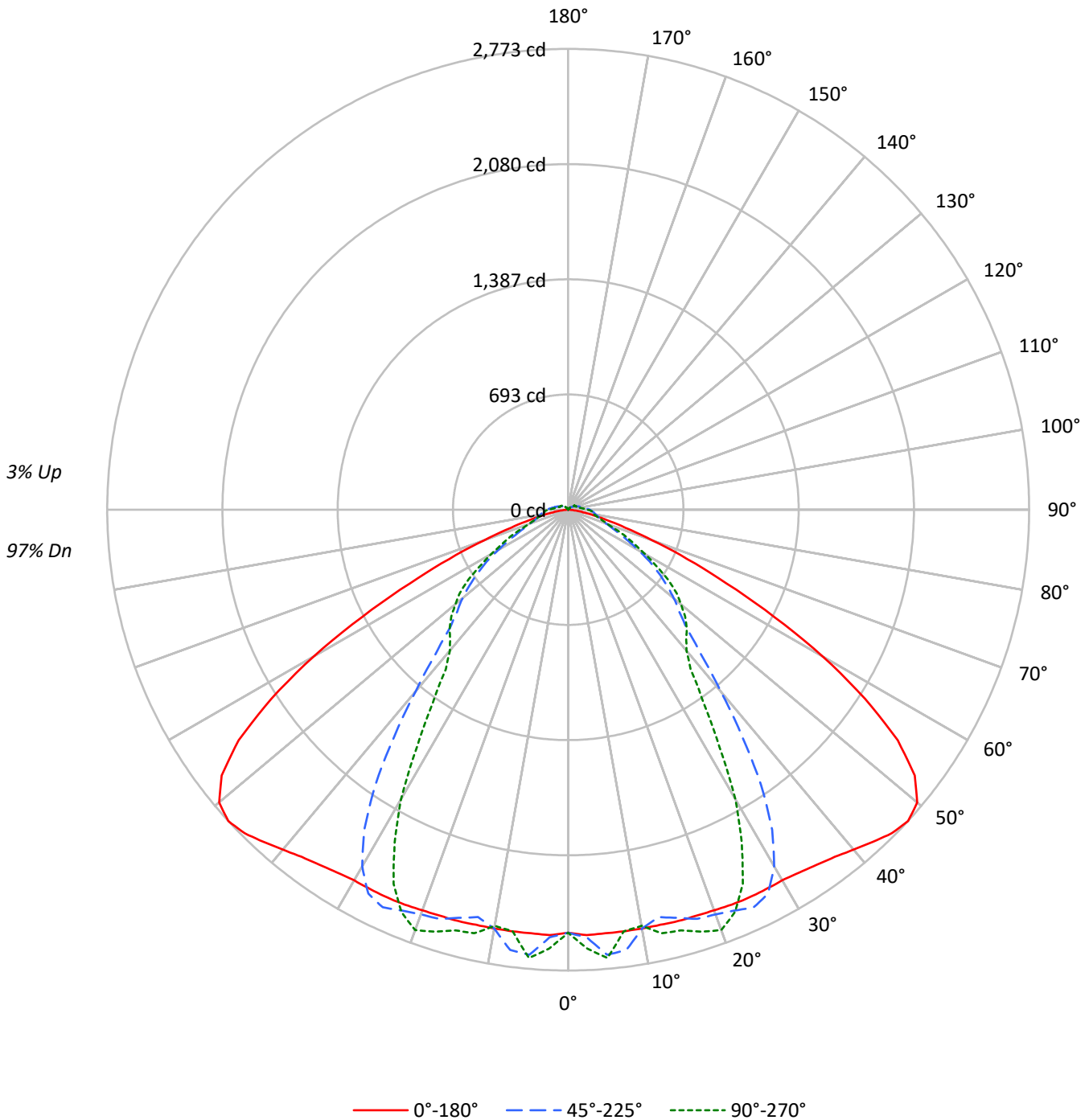
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41024	41024	41024
5°	41238	40856	40279
10°	41562	37055	35367
15°	42268	35424	34477
20°	43331	35040	33841
25°	44910	34936	30122
30°	46786	32346	23718
35°	49836	26262	16435
40°	54244	18551	12649
45°	60230	13193	11492
50°	65444	11083	10127
55°	64144	9102	8443
60°	53220	6889	6312
65°	36773	4985	4640
70°	22891	3789	3181
75°	12928	3232	2517
80°	7300	3022	2166
85°	3242	2928	2170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	3.9
10°-20°	737.0	11.6
20°-30°	1171.1	18.5
30°-40°	1262.8	19.9
40°-50°	1088.4	17.2
50°-60°	824.0	13.0
60°-70°	445.1	7.0
70°-80°	211.4	3.3
80°-90°	132.7	2.1
90°-100°	84.5	1.3
100°-110°	54.1	0.9
110°-120°	36.2	0.6
120°-130°	23.9	0.4
130°-140°	11.7	0.2
140°-150°	5.0	0.1
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2158.4	34.0
0°-40°	3421.2	54.0
0°-60°	5333.5	84.1
0°-90°	6122.8	96.6
90°-120°	174.7	2.8
90°-150°	215.2	3.4
90°-180°	217.0	3.4
0°-180°	6340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2546	2546	2546	2546	2546	
5°	2559	2614	2689	2724	2708	244
15°	2562	2630	2543	2630	2620	726
25°	2575	2526	2640	2569	2484	1191
35°	2608	2510	2024	1547	1420	1642
45°	2753	1725	1005	996	1009	2120
55°	2419	746	665	726	730	2104
65°	1051	318	337	379	383	1079
75°	240	165	195	195	191	283
85°	26	100	149	149	146	37
90°	0	78	130	126	117	1
95°	0	62	104	94	88	0
105°	0	39	71	65	58	0
115°	0	23	49	49	49	0
125°	0	13	32	42	39	0
135°	0	6	20	23	23	0
145°	0	3	10	13	10	0
155°	0	3	3	6	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°	2545.9	2545.9	2545.9	2545.9	2545.9
2.5°	2562.1	2565.3	2575.1	2623.7	2643.2
5°	2558.8	2614.0	2688.6	2724.2	2708.0
7.5°	2558.8	2672.3	2672.3	2604.2	2558.8
10°	2558.8	2704.8	2558.8	2545.9	2542.6
12.5°	2558.8	2685.3	2510.2	2601.0	2610.7
15°	2562.1	2630.2	2542.6	2630.2	2620.5
17.5°	2562.1	2565.3	2581.5	2649.6	2662.6
20°	2565.3	2523.2	2591.3	2701.5	2691.8
22.5°	2571.8	2516.7	2610.7	2678.8	2620.5
25°	2575.1	2526.4	2639.9	2568.6	2484.2
27.5°	2575.1	2539.4	2604.2	2399.9	2260.5
30°	2575.1	2545.9	2477.8	2166.4	2010.7
32.5°	2588.0	2539.4	2283.2	1861.6	1692.9
35°	2607.5	2510.2	2023.7	1547.0	1420.5
37.5°	2633.4	2432.4	1718.9	1294.0	1209.7
40°	2669.1	2263.7	1427.0	1131.9	1105.9
42.5°	2711.3	2017.2	1187.0	1050.8	1050.8
45°	2753.4	1725.3	1005.4	995.6	1008.6
47.5°	2772.9	1440.0	904.8	940.5	953.5
50°	2740.5	1174.0	830.2	878.9	885.4
52.5°	2626.9	937.3	745.9	804.3	820.5
55°	2419.4	745.9	664.8	726.5	729.7
57.5°	2117.8	593.5	580.5	629.2	625.9
60°	1770.8	480.0	486.5	535.1	535.1
62.5°	1397.8	389.2	408.6	450.8	447.6
65°	1050.8	317.8	337.3	379.4	382.7
67.5°	775.1	262.7	285.4	314.6	308.1
70°	541.6	220.5	243.2	259.5	253.0
72.5°	360.0	188.1	214.0	220.5	217.3
75°	240.0	165.4	194.6	194.6	191.3
77.5°	155.7	145.9	181.6	178.4	171.9
80°	97.3	129.7	168.6	162.2	155.7
82.5°	58.4	113.5	158.9	152.4	145.9
85°	25.9	100.5	149.2	149.2	145.9
87.5°	9.7	90.8	139.5	142.7	136.2
90°	0.0	77.8	129.7	126.5	116.8
92.5°	0.0	71.3	116.8	107.0	100.5
95°	0.0	61.6	103.8	94.1	87.6
97.5°	0.0	55.1	94.1	84.3	77.8
100°	0.0	48.6	84.3	74.6	68.1
102.5°	0.0	42.2	77.8	68.1	64.9
105°	0.0	38.9	71.3	64.9	58.4
107.5°	0.0	35.7	64.9	58.4	55.1
110°	0.0	29.2	58.4	55.1	51.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.9	51.9	51.9	51.9
115°	0.0	22.7	48.6	48.6	48.6
117.5°	0.0	19.5	42.2	48.6	48.6
120°	0.0	19.5	38.9	45.4	45.4
122.5°	0.0	16.2	35.7	45.4	45.4
125°	0.0	13.0	32.4	42.2	38.9
127.5°	0.0	9.7	29.2	35.7	35.7
130°	0.0	9.7	25.9	32.4	29.2
132.5°	0.0	6.5	22.7	25.9	25.9
135°	0.0	6.5	19.5	22.7	22.7
137.5°	0.0	6.5	16.2	19.5	16.2
140°	0.0	3.2	13.0	16.2	13.0
142.5°	0.0	3.2	13.0	16.2	13.0
145°	0.0	3.2	9.7	13.0	9.7
147.5°	0.0	3.2	6.5	9.7	9.7
150°	0.0	3.2	6.5	9.7	6.5
152.5°	0.0	3.2	6.5	6.5	3.2
155°	0.0	3.2	3.2	6.5	3.2
157.5°	0.0	3.2	3.2	3.2	3.2
160°	3.2	3.2	3.2	3.2	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)