

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: P218613

Luminaire Tested: **4SNLED-LD5-57HL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35747)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-57HL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5253.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 0.85 / 0.95
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

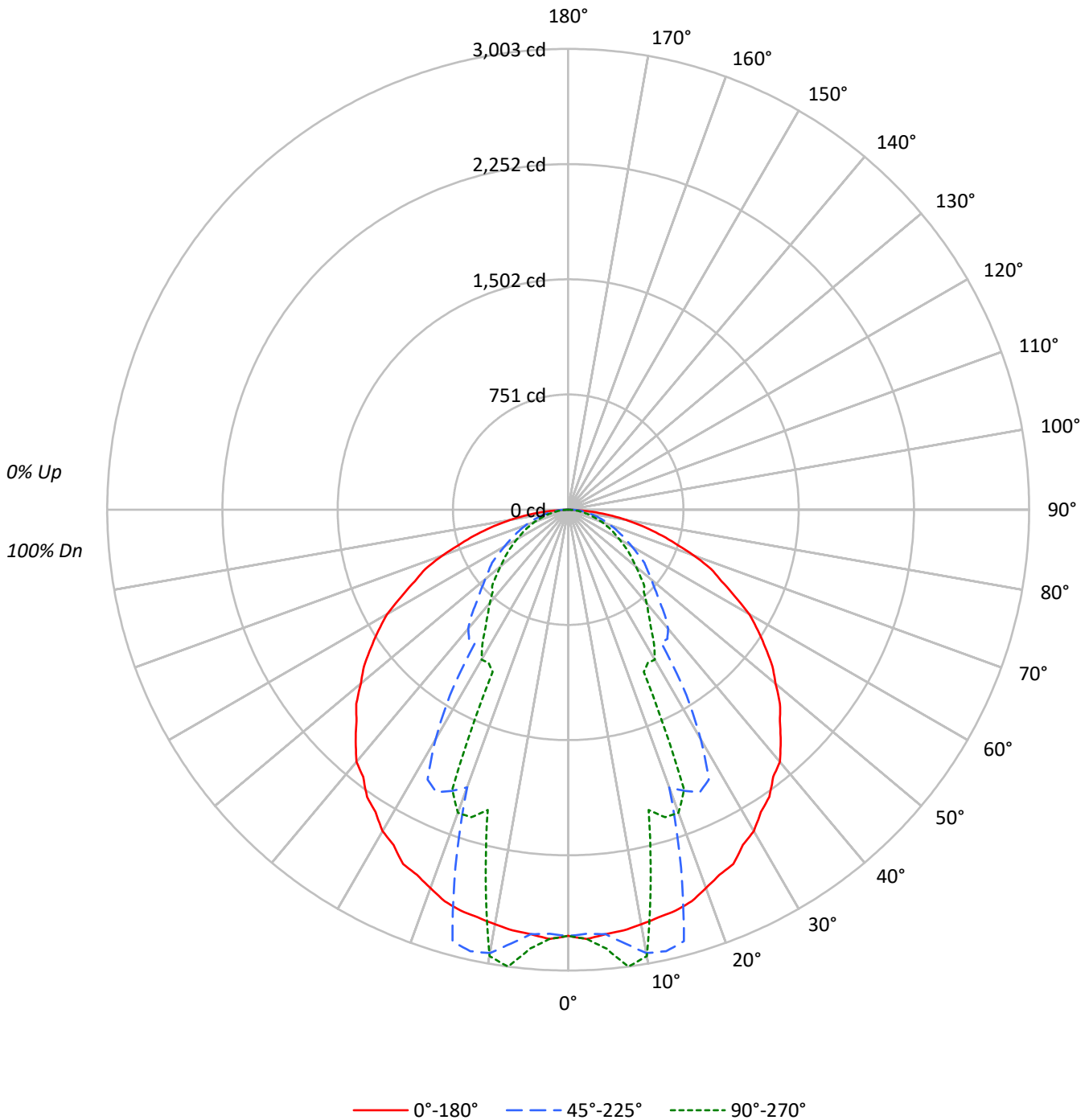
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					85				
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75					73				
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65					63				
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57					55				
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51					49				
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37					36				
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34					33				
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32					30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44749	44749	44749
5°	44757	42188	42721
10°	44562	42485	41086
15°	44627	40562	26645
20°	44314	26044	26416
25°	44414	26875	14131
30°	43930	22586	13313
35°	43645	13722	10864
40°	43580	13163	9093
45°	42656	10999	7993
50°	42098	9407	6596
55°	41585	8301	5562
60°	40913	6784	4557
65°	38571	5603	3733
70°	36678	4535	2927
75°	33003	3520	2084
80°	28564	2523	1346
85°	19925	1602	583



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.1	5.2
10°-20°	726.0	13.8
20°-30°	939.2	17.9
30°-40°	891.9	17.0
40°-50°	858.5	16.3
50°-60°	682.1	13.0
60°-70°	496.3	9.4
70°-80°	288.8	5.5
80°-90°	99.1	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1936.3	36.9
0°-40°	2828.2	53.8
0°-60°	4368.8	83.2
0°-90°	5253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5253.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2777	2777	2777	2777	2777	
5°	2777	2771	2776	2842	2872	264
15°	2705	2832	2911	2273	2025	763
25°	2547	2701	2031	1640	1165	1167
35°	2284	1758	1057	982	939	1425
45°	1950	1658	838	710	702	1511
55°	1568	944	606	494	481	1404
65°	1102	584	379	319	308	1101
75°	613	308	212	174	158	650
85°	159	129	82	54	39	186
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2777.1	2777.1	2777.1	2777.1	2777.1
2.5°	2800.2	2778.7	2766.7	2768.3	2799.4
5°	2777.1	2770.7	2776.3	2841.8	2872.2
7.5°	2765.1	2751.5	2850.6	2963.4	3002.6
10°	2743.5	2781.1	2933.8	2980.2	2953.8
12.5°	2721.1	2803.4	2946.6	2645.1	2479.5
15°	2705.1	2832.2	2911.4	2273.2	2025.2
17.5°	2675.5	2850.6	2445.9	2018.8	2101.2
20°	2623.5	2841.8	1926.0	2105.2	2101.2
22.5°	2575.5	2792.3	1982.8	2064.4	1972.4
25°	2546.7	2701.1	2030.8	1639.7	1165.4
27.5°	2463.5	2477.9	1983.6	1138.2	1124.6
30°	2417.9	2260.4	1730.1	1117.4	1128.6
32.5°	2336.3	2010.0	1433.3	1076.6	1040.6
35°	2283.6	1758.1	1057.4	982.2	939.0
37.5°	2194.0	1770.9	1060.6	900.6	859.8
40°	2144.4	1782.0	1012.6	822.2	795.0
42.5°	2049.2	1739.7	932.6	758.3	728.7
45°	1950.0	1658.1	838.2	710.3	701.5
47.5°	1871.6	1428.5	768.6	664.7	632.7
50°	1762.9	1135.8	704.7	603.9	576.7
52.5°	1677.3	967.0	652.7	551.1	525.5
55°	1568.5	943.8	606.3	493.5	480.7
57.5°	1466.1	863.8	537.5	447.9	427.9
60°	1361.3	764.6	479.1	403.9	386.3
62.5°	1224.6	661.5	427.9	359.1	342.3
65°	1102.2	583.9	379.1	319.1	307.9
67.5°	1007.0	523.9	335.1	279.9	264.7
70°	867.8	456.7	291.1	242.4	232.8
72.5°	730.3	372.7	250.4	208.8	191.2
75°	612.7	307.9	212.0	173.6	158.4
77.5°	497.5	257.5	176.0	142.4	126.4
80°	380.7	209.6	140.8	111.2	96.8
82.5°	269.5	167.2	110.4	80.8	68.0
85°	159.2	128.8	81.6	53.6	39.2
87.5°	63.2	96.8	53.6	26.4	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)