

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: P218612

Luminaire Tested: **4SNLED-LD5-57HL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218612
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5150.0 lumens
Efficiency: N/A
Efficacy: 119.8 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

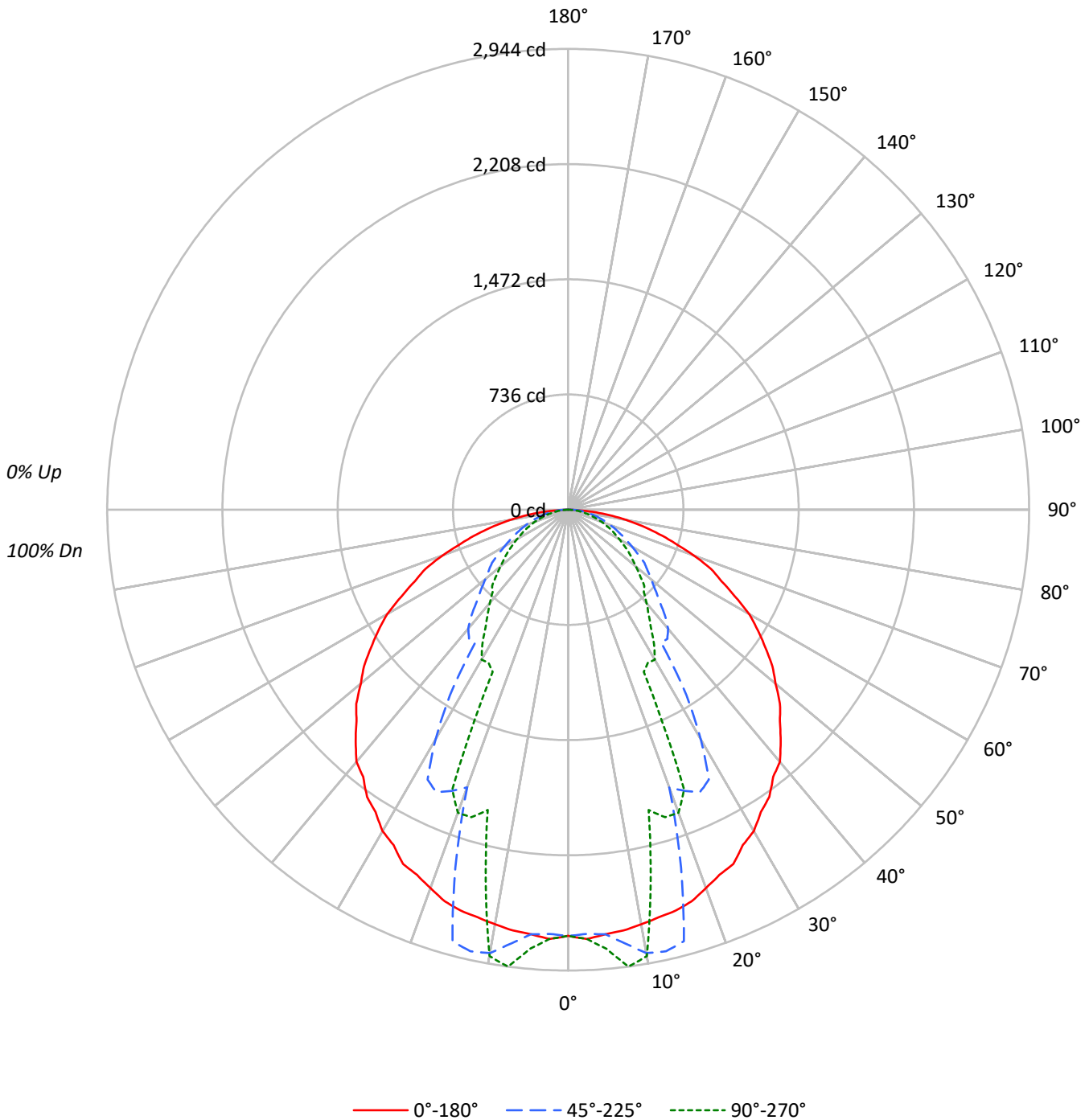
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					85			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73					73			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63					63			
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55					55			
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49					49			
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36					36			
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33					33			
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43871	43871	43871
5°	43878	41360	41883
10°	43688	41653	40281
15°	43751	39767	26123
20°	43444	25534	25898
25°	43544	26348	13853
30°	43068	22142	13051
35°	42789	13454	10651
40°	42725	12905	8916
45°	41820	10784	7836
50°	41272	9222	6467
55°	40768	8138	5453
60°	40110	6651	4467
65°	37816	5494	3661
70°	35959	4447	2869
75°	32357	3451	2043
80°	28009	2473	1320
85°	19525	1570	571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	5.2
10°-20°	711.8	13.8
20°-30°	920.8	17.9
30°-40°	874.4	17.0
40°-50°	841.7	16.3
50°-60°	668.7	13.0
60°-70°	486.6	9.4
70°-80°	283.1	5.5
80°-90°	97.1	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°	1898.3	36.9
0°-40°	2772.7	53.8
0°-60°	4283.1	83.2
0°-90°	5150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2723	2723	2723	2723	2723	
5°	2723	2716	2722	2786	2816	259
15°	2652	2777	2854	2229	1986	748
25°	2497	2648	1991	1608	1142	1144
35°	2239	1724	1037	963	921	1397
45°	1912	1626	822	696	688	1481
55°	1538	925	594	484	471	1376
65°	1081	572	372	313	302	1079
75°	601	302	208	170	155	637
85°	156	126	80	52	38	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2722.6	2722.6	2722.6	2722.6	2722.6
2.5°	2745.3	2724.2	2712.4	2714.0	2744.6
5°	2722.6	2716.3	2721.8	2786.1	2815.9
7.5°	2710.8	2697.5	2794.7	2905.3	2943.7
10°	2689.7	2726.5	2876.3	2921.8	2895.9
12.5°	2667.7	2748.5	2888.8	2593.2	2430.9
15°	2652.0	2776.7	2854.3	2228.6	1985.5
17.5°	2623.0	2794.7	2398.0	1979.2	2060.0
20°	2572.0	2786.1	1888.3	2063.9	2060.0
22.5°	2525.0	2737.5	1943.9	2023.9	1933.7
25°	2496.8	2648.1	1991.0	1607.5	1142.5
27.5°	2415.2	2429.3	1944.7	1115.9	1102.5
30°	2370.5	2216.0	1696.1	1095.5	1106.4
32.5°	2290.5	1970.6	1405.2	1055.5	1020.2
35°	2238.8	1723.6	1036.7	962.9	920.6
37.5°	2150.9	1736.1	1039.8	883.0	843.0
40°	2102.3	1747.1	992.7	806.1	779.5
42.5°	2009.0	1705.5	914.3	743.4	714.4
45°	1911.8	1625.6	821.8	696.3	687.7
47.5°	1834.9	1400.5	753.6	651.6	620.3
50°	1728.3	1113.5	690.8	592.0	565.4
52.5°	1644.4	948.0	639.9	540.3	515.2
55°	1537.7	925.3	594.4	483.8	471.3
57.5°	1437.4	846.9	527.0	439.1	419.5
60°	1334.6	749.7	469.7	396.0	378.7
62.5°	1200.5	648.5	419.5	352.1	335.6
65°	1080.6	572.4	371.7	312.9	301.9
67.5°	987.3	513.6	328.6	274.5	259.6
70°	850.8	447.8	285.4	237.6	228.2
72.5°	715.9	365.4	245.4	204.7	187.4
75°	600.7	301.9	207.8	170.2	155.3
77.5°	487.7	252.5	172.5	139.6	123.9
80°	373.3	205.4	138.0	109.0	94.9
82.5°	264.3	163.9	108.2	79.2	66.7
85°	156.0	126.2	80.0	52.5	38.4
87.5°	61.9	94.9	52.5	25.9	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)