

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: P218610

Luminaire Tested: **4SNLED-LD5-48HL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218610
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-LD5-48HL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5345.0 lumens
Efficiency: N/A
Efficacy: 133.6 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

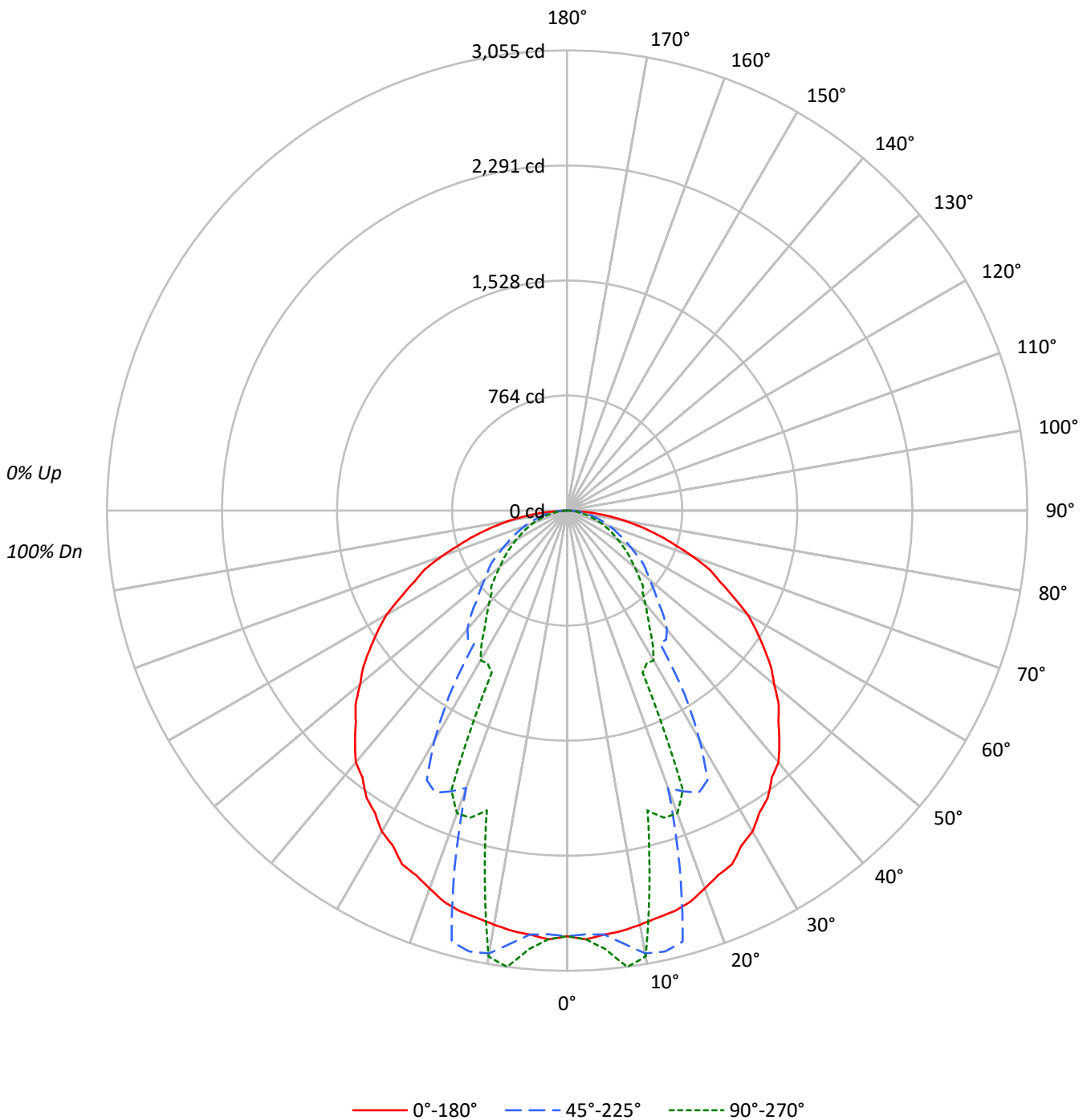
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	45532	45532	45532
5°	45540	42927	43469
10°	45341	43230	41807
15°	45408	41273	27112
20°	45089	26501	26879
25°	45192	27346	14378
30°	44700	22981	13545
35°	44408	13962	11055
40°	44343	13394	9253
45°	43404	11192	8132
50°	42834	9571	6712
55°	42314	8446	5659
60°	41631	6903	4637
65°	39247	5702	3799
70°	37320	4615	2977
75°	33580	3582	2120
80°	29066	2566	1370
85°	20276	1629	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.8	5.2
10°-20°	738.7	13.8
20°-30°	955.7	17.9
30°-40°	907.5	17.0
40°-50°	873.6	16.3
50°-60°	694.1	13.0
60°-70°	505.0	9.4
70°-80°	293.8	5.5
80°-90°	100.8	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°	1970.2	36.9
0°-40°	2877.7	53.8
0°-60°	4445.3	83.2
0°-90°	5345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2826	2826	2826	2826	2826	
5°	2826	2819	2825	2892	2922	269
15°	2752	2882	2962	2313	2061	776
25°	2591	2748	2066	1668	1186	1187
35°	2324	1789	1076	999	956	1450
45°	1984	1687	853	723	714	1537
55°	1596	960	617	502	489	1428
65°	1122	594	386	325	313	1120
75°	623	313	216	177	161	661
85°	162	131	83	54	40	189
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2825.7	2825.7	2825.7	2825.7	2825.7
2.5°	2849.3	2827.3	2815.1	2816.7	2848.5
5°	2825.7	2819.2	2824.9	2891.6	2922.5
7.5°	2813.5	2799.6	2900.6	3015.3	3055.2
10°	2791.5	2829.8	2985.2	3032.4	3005.6
12.5°	2768.7	2852.5	2998.2	2691.4	2522.9
15°	2752.4	2881.8	2962.4	2313.0	2060.7
17.5°	2722.3	2900.6	2488.8	2054.2	2138.0
20°	2669.4	2891.6	1959.8	2142.1	2138.0
22.5°	2620.6	2841.2	2017.5	2100.5	2007.0
25°	2591.3	2748.4	2066.4	1668.4	1185.8
27.5°	2506.7	2521.3	2018.4	1158.1	1144.3
30°	2460.3	2299.9	1760.4	1137.0	1148.3
32.5°	2377.3	2045.2	1458.4	1095.4	1058.8
35°	2323.5	1788.8	1075.9	999.4	955.5
37.5°	2232.4	1801.9	1079.2	916.4	874.9
40°	2181.9	1813.3	1030.3	836.6	809.0
42.5°	2085.1	1770.1	949.0	771.5	741.4
45°	1984.2	1687.1	852.9	722.7	713.7
47.5°	1904.4	1453.5	782.1	676.3	643.8
50°	1793.7	1155.7	717.0	614.5	586.8
52.5°	1706.6	983.9	664.1	560.7	534.7
55°	1596.0	960.3	616.9	502.1	489.1
57.5°	1491.8	879.0	546.9	455.8	435.4
60°	1385.2	778.0	487.5	411.0	393.1
62.5°	1246.0	673.1	435.4	365.4	348.3
65°	1121.5	594.1	385.8	324.7	313.3
67.5°	1024.6	533.1	341.0	284.8	269.4
70°	883.0	464.7	296.2	246.6	236.8
72.5°	743.0	379.3	254.7	212.4	194.5
75°	623.4	313.3	215.7	176.6	161.1
77.5°	506.2	262.1	179.0	144.9	128.6
80°	387.4	213.2	143.2	113.1	98.5
82.5°	274.3	170.1	112.3	82.2	69.2
85°	162.0	131.0	83.0	54.5	39.9
87.5°	64.3	98.5	54.5	26.9	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)