

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: P218608

Luminaire Tested: **4SNLED-LD5-48HL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218608
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4845.0 lumens
Efficiency: N/A
Efficacy: 121.1 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

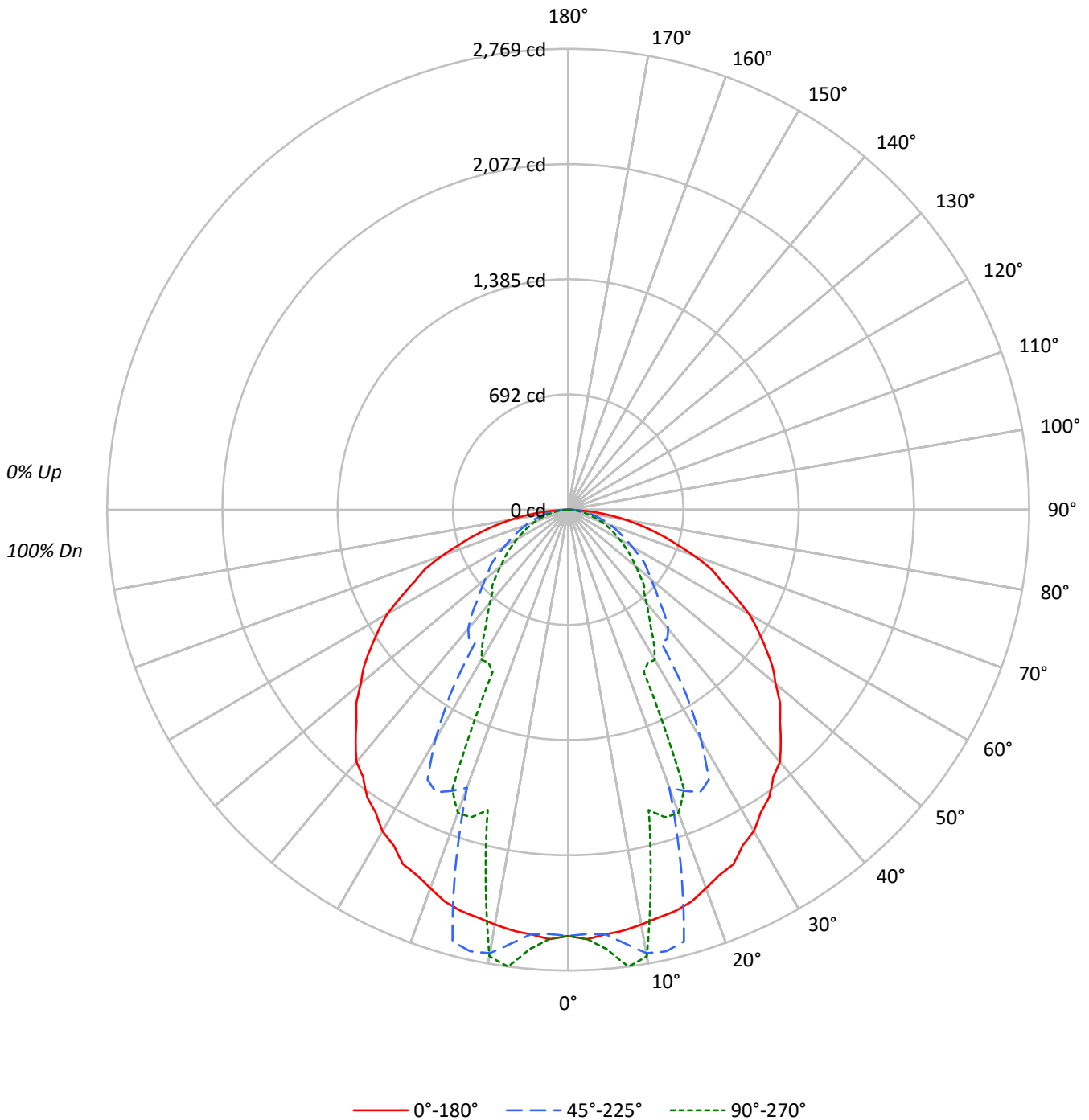
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
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°	41273	41273	41273
5°	41280	38911	39402
10°	41100	39186	37895
15°	41161	37412	24575
20°	40871	24021	24364
25°	40965	24788	13033
30°	40518	20831	12278
35°	40255	12657	10021
40°	40195	12142	8387
45°	39344	10145	7372
50°	38827	8676	6084
55°	38356	7656	5130
60°	37736	6257	4203
65°	35576	5169	3444
70°	33829	4183	2699
75°	30439	3246	1922
80°	26350	2326	1242
85°	18373	1476	537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.0	5.2
10°-20°	669.6	13.8
20°-30°	866.3	17.9
30°-40°	822.6	17.0
40°-50°	791.9	16.3
50°-60°	629.1	13.0
60°-70°	457.8	9.4
70°-80°	266.3	5.5
80°-90°	91.3	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°	1785.9	36.9
0°-40°	2608.5	53.8
0°-60°	4029.5	83.2
0°-90°	4845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2561	2561	2561	2561	2561	
5°	2561	2556	2561	2621	2649	244
15°	2495	2612	2685	2097	1868	704
25°	2349	2491	1873	1512	1075	1076
35°	2106	1622	975	906	866	1314
45°	1799	1529	773	655	647	1394
55°	1447	870	559	455	443	1295
65°	1017	538	350	294	284	1015
75°	565	284	196	160	146	600
85°	147	119	75	49	36	171
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2561.4	2561.4	2561.4	2561.4	2561.4
2.5°	2582.8	2562.8	2551.8	2553.2	2582.0
5°	2561.4	2555.5	2560.6	2621.1	2649.1
7.5°	2550.3	2537.8	2629.2	2733.2	2769.4
10°	2530.4	2565.0	2706.0	2748.7	2724.4
12.5°	2509.7	2585.7	2717.8	2439.6	2286.9
15°	2495.0	2612.3	2685.3	2096.6	1867.9
17.5°	2467.7	2629.2	2255.9	1862.0	1938.0
20°	2419.7	2621.1	1776.4	1941.7	1938.0
22.5°	2375.5	2575.4	1828.8	1904.1	1819.2
25°	2348.9	2491.3	1873.1	1512.3	1074.9
27.5°	2272.2	2285.5	1829.5	1049.8	1037.2
30°	2230.1	2084.8	1595.7	1030.6	1040.9
32.5°	2154.9	1853.9	1322.0	993.0	959.8
35°	2106.2	1621.5	975.3	905.9	866.1
37.5°	2023.6	1633.3	978.2	830.7	793.0
40°	1977.8	1643.6	934.0	758.4	733.3
42.5°	1890.0	1604.5	860.2	699.4	672.1
45°	1798.6	1529.3	773.1	655.1	647.0
47.5°	1726.3	1317.6	708.9	613.0	583.5
50°	1625.9	1047.6	649.9	557.0	531.9
52.5°	1547.0	891.9	602.0	508.3	484.7
55°	1446.7	870.5	559.2	455.2	443.4
57.5°	1352.2	796.7	495.7	413.1	394.7
60°	1255.6	705.3	441.9	372.5	356.3
62.5°	1129.4	610.1	394.7	331.2	315.7
65°	1016.6	538.5	349.7	294.3	284.0
67.5°	928.8	483.2	309.1	258.2	244.2
70°	800.4	421.2	268.5	223.5	214.7
72.5°	673.5	343.8	230.9	192.5	176.3
75°	565.1	284.0	195.5	160.1	146.1
77.5°	458.9	237.5	162.3	131.3	116.6
80°	351.2	193.3	129.8	102.5	89.3
82.5°	248.6	154.2	101.8	74.5	62.7
85°	146.8	118.8	75.2	49.4	36.1
87.5°	58.3	89.3	49.4	24.3	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)