

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: P218607

Luminaire Tested: **4SNLED-LD5-48HL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218607
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4561.0 lumens
Efficiency: N/A
Efficacy: 114.0 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

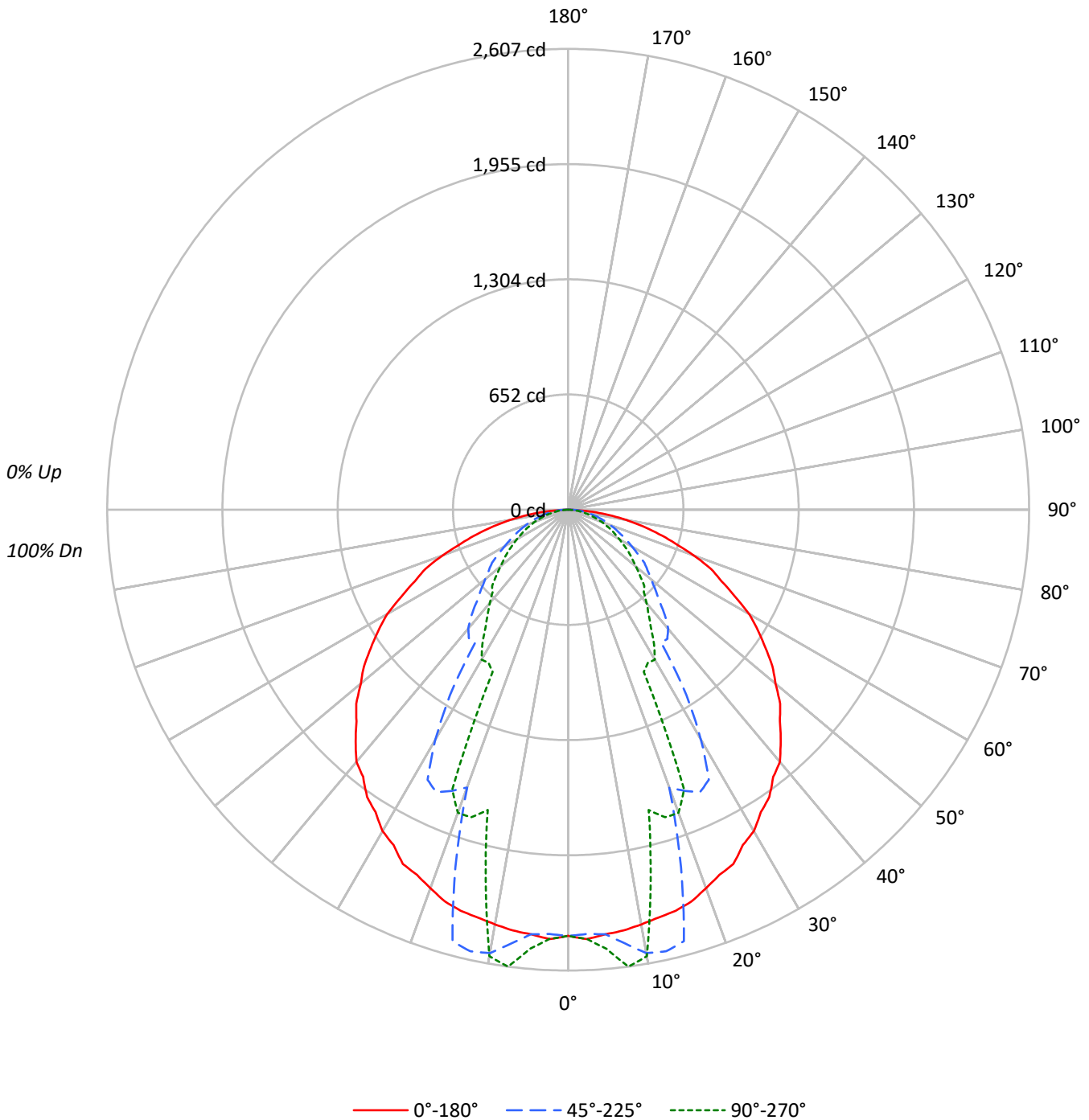
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218607

CATALOG NUMBER: 4SNLED-LD5-48HL-RW-UNV-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218607

CATALOG NUMBER: 4SNLED-LD5-48HL-RW-UNV-L830-CD1-U

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°	38853	38853	38853
5°	38860	36630	37094
10°	38692	36888	35674
15°	38748	35219	23135
20°	38476	22613	22936
25°	38563	23335	12270
30°	38143	19610	11559
35°	37894	11915	9433
40°	37839	11429	7895
45°	37036	9550	6940
50°	36551	8167	5727
55°	36107	7207	4829
60°	35524	5891	3956
65°	33490	4866	3242
70°	31847	3939	2541
75°	28656	3056	1809
80°	24805	2190	1168
85°	17297	1390	506



TEST NUMBER: P218607

CATALOG NUMBER: 4SNLED-LD5-48HL-RW-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	5.2
10°-20°	630.4	13.8
20°-30°	815.5	17.9
30°-40°	774.4	17.0
40°-50°	745.4	16.3
50°-60°	592.3	13.0
60°-70°	431.0	9.4
70°-80°	250.7	5.5
80°-90°	86.0	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°	1681.2	36.9
0°-40°	2455.6	53.8
0°-60°	3793.3	83.2
0°-90°	4561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4561.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2411	2411	2411	2411	2411	
5°	2411	2406	2410	2468	2494	229
15°	2349	2459	2528	1974	1758	662
25°	2211	2345	1763	1424	1012	1013
35°	1983	1526	918	853	815	1237
45°	1693	1440	728	617	609	1312
55°	1362	820	526	428	417	1219
65°	957	507	329	277	267	956
75°	532	267	184	151	138	564
85°	138	112	71	46	34	161
90°	0	0	0	0	0	



TEST NUMBER: P218607

CATALOG NUMBER: 4SNLED-LD5-48HL-RW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2411.2	2411.2	2411.2	2411.2	2411.2
2.5°	2431.4	2412.6	2402.2	2403.6	2430.7
5°	2411.2	2405.7	2410.5	2467.5	2493.9
7.5°	2400.8	2389.0	2475.1	2573.0	2607.1
10°	2382.1	2414.7	2547.3	2587.6	2564.7
12.5°	2362.6	2434.1	2558.5	2296.6	2152.9
15°	2348.7	2459.1	2527.9	1973.7	1758.4
17.5°	2323.0	2475.1	2123.7	1752.9	1824.4
20°	2277.9	2467.5	1672.3	1827.9	1824.4
22.5°	2236.2	2424.4	1721.6	1792.4	1712.6
25°	2211.2	2345.2	1763.3	1423.7	1011.9
27.5°	2139.0	2151.5	1722.3	988.2	976.4
30°	2099.4	1962.6	1502.2	970.2	979.9
32.5°	2028.6	1745.2	1244.5	934.8	903.5
35°	1982.7	1526.5	918.1	852.8	815.3
37.5°	1904.9	1537.6	920.9	782.0	746.6
40°	1861.9	1547.3	879.2	713.9	690.3
42.5°	1779.2	1510.5	809.8	658.4	632.7
45°	1693.1	1439.6	727.8	616.7	609.1
47.5°	1625.1	1240.3	667.4	577.1	549.3
50°	1530.6	986.2	611.8	524.3	500.7
52.5°	1456.3	839.6	566.7	478.5	456.3
55°	1361.9	819.5	526.4	428.5	417.4
57.5°	1273.0	750.0	466.7	388.9	371.5
60°	1182.0	663.9	416.0	350.7	335.4
62.5°	1063.2	574.3	371.5	311.8	297.2
65°	957.0	507.0	329.2	277.1	267.4
67.5°	874.3	454.9	291.0	243.1	229.9
70°	753.5	396.5	252.8	210.4	202.1
72.5°	634.1	323.6	217.4	181.3	166.0
75°	532.0	267.4	184.0	150.7	137.5
77.5°	432.0	223.6	152.8	123.6	109.7
80°	330.6	182.0	122.2	96.5	84.0
82.5°	234.0	145.1	95.8	70.1	59.0
85°	138.2	111.8	70.8	46.5	34.0
87.5°	54.9	84.0	46.5	22.9	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)