

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: P218450

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-48HL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5402.0 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

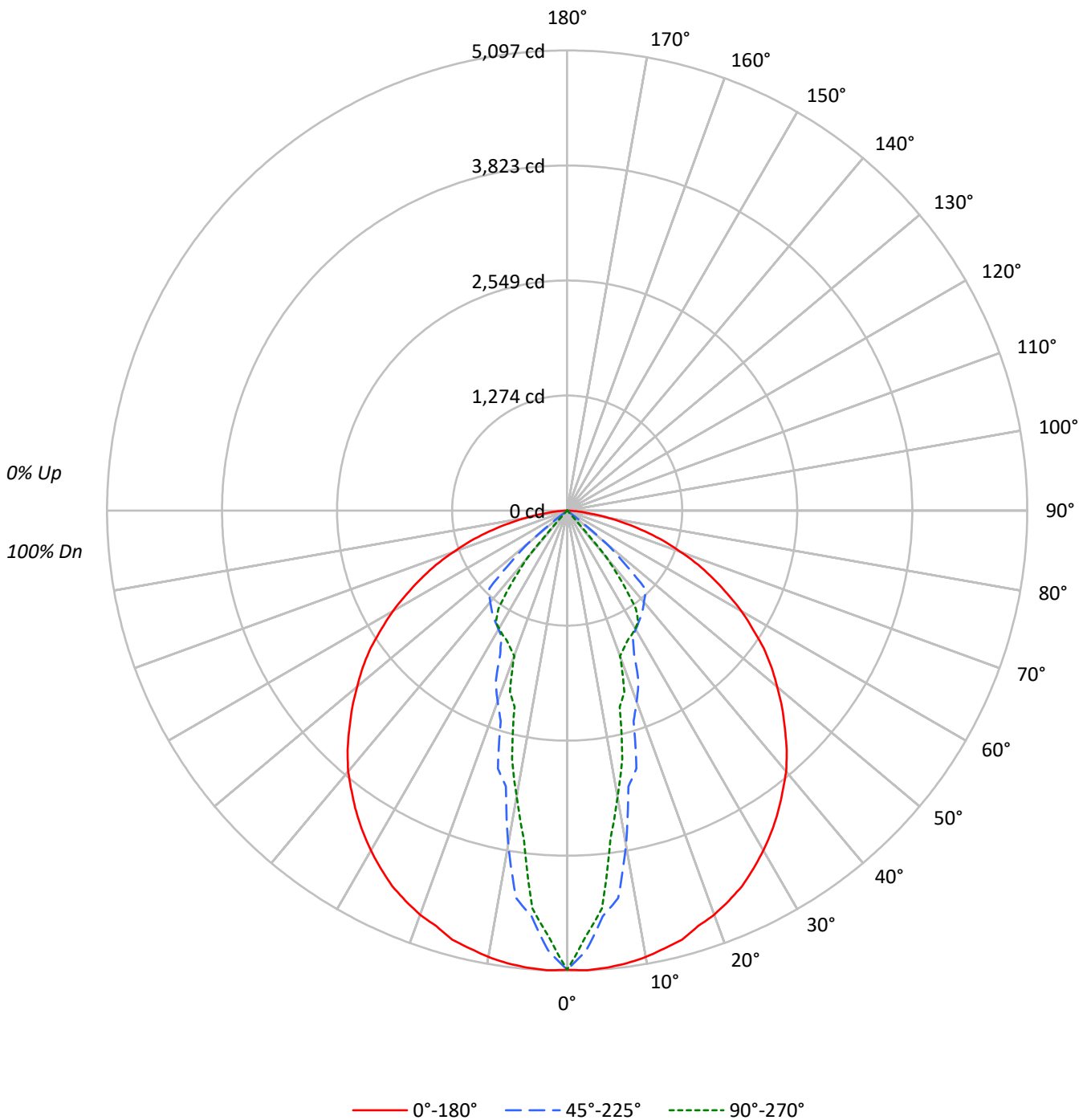
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81959	81959	81959
5°	81887	68561	65789
10°	81554	54371	44744
15°	81153	41216	29612
20°	80444	30399	21533
25°	80006	23220	19217
30°	78984	19838	17772
35°	77849	18501	15346
40°	76676	17209	7704
45°	74593	16000	30
50°	72515	7598	0
55°	70470	251	0
60°	67014	186	0
65°	62497	77	0
70°	56500	41	0
75°	48102	43	34
80°	34476	47	36
85°	16671	51	39



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.8	7.8
10°-20°	904.9	16.8
20°-30°	1079.5	20.0
30°-40°	1148.6	21.3
40°-50°	839.2	15.5
50°-60°	536.0	9.9
60°-70°	322.7	6.0
70°-80°	125.8	2.3
80°-90°	25.5	0.5
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°	2404.1	44.5
0°-40°	3552.8	65.8
0°-60°	4928.0	91.2
0°-90°	5402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5086	5086	5086	5086	5086	
5°	5081	4833	4512	4431	4423	483
15°	4919	4196	2958	2306	2251	1385
25°	4588	2924	1755	1598	1585	2111
35°	4073	1932	1426	1426	1326	2548
45°	3410	1251	1219	5	3	2634
55°	2658	987	18	3	0	2366
65°	1786	402	5	3	0	1767
75°	893	21	3	3	3	943
85°	133	3	3	3	3	185
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5086.3	5086.3	5086.3	5086.3	5086.3
2.5°	5096.7	5062.8	4874.8	4796.4	4720.7
5°	5081.0	4833.0	4511.8	4430.9	4423.1
7.5°	5057.5	4600.6	4329.1	3864.3	3668.5
10°	5021.0	4449.2	3754.6	3363.0	3216.8
12.5°	4968.8	4224.6	3130.6	2906.1	2819.9
15°	4919.1	4195.9	2958.3	2305.5	2250.7
17.5°	4825.2	3611.0	2443.9	2167.1	2104.5
20°	4762.5	3344.7	2248.1	1879.9	1712.8
22.5°	4678.9	3188.0	2067.9	1710.2	1644.9
25°	4587.5	2924.3	1754.6	1597.9	1584.9
27.5°	4470.1	2571.8	1571.8	1556.2	1550.9
30°	4347.3	2182.8	1519.6	1514.4	1506.6
32.5°	4214.2	2028.8	1472.6	1472.6	1464.8
35°	4073.2	1932.1	1425.6	1425.6	1326.4
37.5°	3921.7	1809.4	1378.6	1378.6	997.4
40°	3772.9	1550.9	1323.8	919.1	673.6
42.5°	3600.6	1339.4	1276.8	642.3	5.2
45°	3410.0	1250.7	1219.3	5.2	2.6
47.5°	3229.8	1188.0	830.3	2.6	0.0
50°	3036.6	1120.1	569.2	2.6	0.0
52.5°	2853.8	1057.5	26.1	2.6	0.0
55°	2658.0	987.0	18.3	2.6	0.0
57.5°	2436.1	919.1	15.7	2.6	0.0
60°	2229.8	846.0	13.1	2.6	0.0
62.5°	2002.6	718.0	7.8	2.6	0.0
65°	1785.9	402.1	5.2	2.6	0.0
67.5°	1571.8	65.3	5.2	2.6	0.0
70°	1336.8	44.4	2.6	2.6	0.0
72.5°	1120.1	33.9	2.6	2.6	2.6
75°	893.0	20.9	2.6	2.6	2.6
77.5°	668.4	13.1	2.6	2.6	2.6
80°	459.5	7.8	2.6	2.6	2.6
82.5°	276.8	2.6	2.6	2.6	2.6
85°	133.2	2.6	2.6	2.6	2.6
87.5°	41.8	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)