

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: P218449

Luminaire Tested: **4SNLED-LD5-48HL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218449
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4994.0 lumens
Efficiency: N/A
Efficacy: 135.0 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

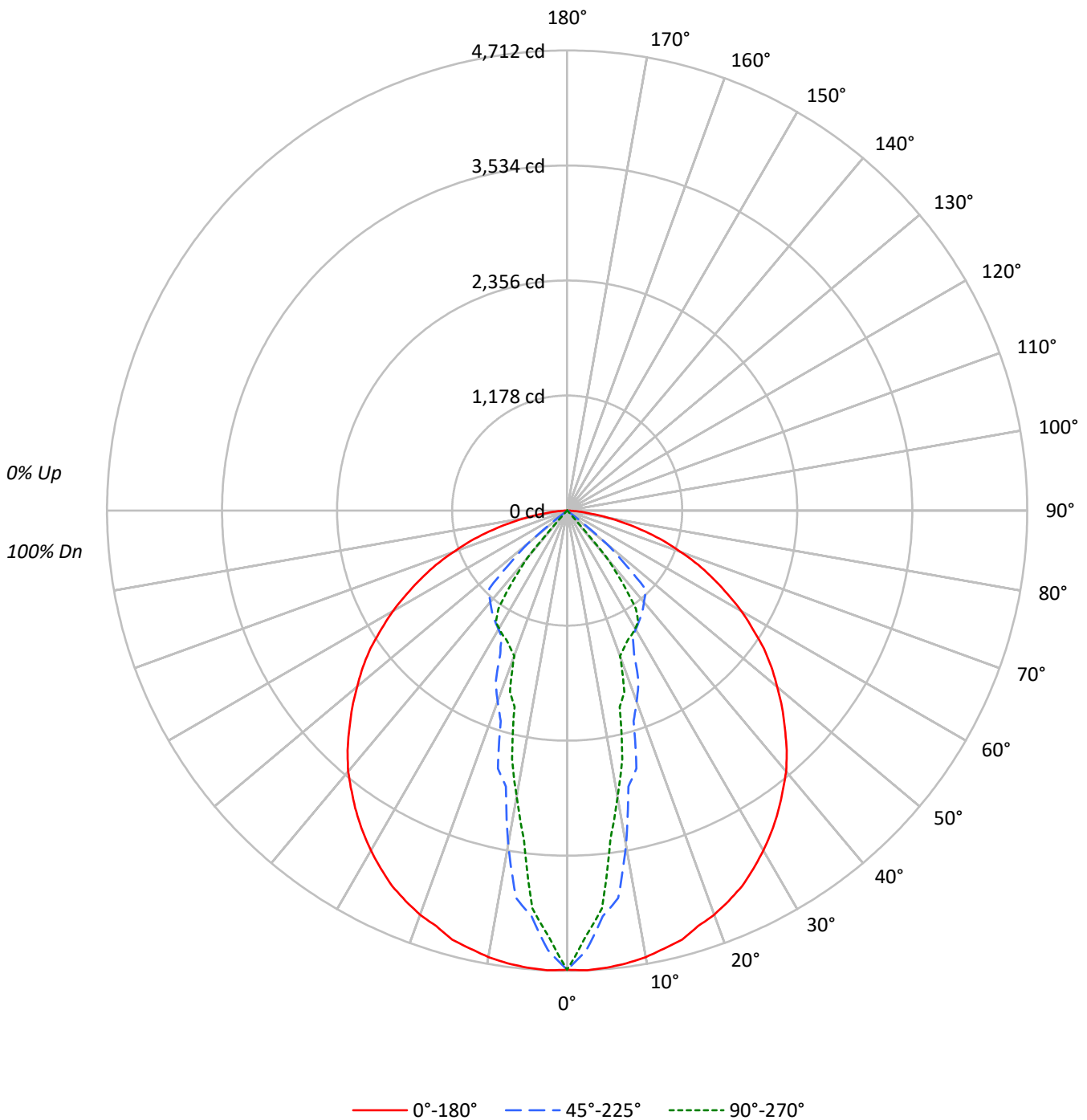
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	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°	75768	75768	75768
5°	75703	63384	60819
10°	75395	50266	41364
15°	75024	38102	27375
20°	74368	28103	19908
25°	73964	21466	17766
30°	73019	18339	16429
35°	71968	17103	14187
40°	70886	15909	7123
45°	68958	14791	27
50°	67039	7024	0
55°	65149	231	0
60°	61953	171	0
65°	57777	71	0
70°	52235	37	0
75°	44466	40	32
80°	31873	43	33
85°	15407	47	36



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.1	7.8
10°-20°	836.5	16.8
20°-30°	998.0	20.0
30°-40°	1061.9	21.3
40°-50°	775.8	15.5
50°-60°	495.5	9.9
60°-70°	298.3	6.0
70°-80°	116.3	2.3
80°-90°	23.6	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°	2222.6	44.5
0°-40°	3284.4	65.8
0°-60°	4555.8	91.2
0°-90°	4994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4702	4702	4702	4702	4702	
5°	4697	4468	4171	4096	4089	447
15°	4548	3879	2735	2131	2081	1281
25°	4241	2704	1622	1477	1465	1952
35°	3766	1786	1318	1318	1226	2356
45°	3152	1156	1127	5	2	2435
55°	2457	912	17	2	0	2188
65°	1651	372	5	2	0	1634
75°	826	19	2	2	2	872
85°	123	2	2	2	2	171
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4702.1	4702.1	4702.1	4702.1	4702.1
2.5°	4711.8	4680.4	4506.6	4434.2	4364.2
5°	4697.3	4468.0	4171.1	4096.2	4089.0
7.5°	4675.5	4253.1	4002.1	3572.4	3391.4
10°	4641.8	4113.1	3471.1	3109.0	2973.8
12.5°	4593.5	3905.5	2894.2	2686.6	2606.9
15°	4547.6	3879.0	2734.8	2131.4	2080.7
17.5°	4460.7	3338.3	2259.3	2003.5	1945.5
20°	4402.8	3092.1	2078.3	1737.9	1583.5
22.5°	4325.5	2947.3	1911.7	1581.0	1520.7
25°	4241.1	2703.5	1622.1	1477.3	1465.2
27.5°	4132.4	2377.6	1453.1	1438.6	1433.8
30°	4019.0	2017.9	1404.8	1400.0	1392.8
32.5°	3895.9	1875.5	1361.4	1361.4	1354.1
35°	3765.5	1786.2	1317.9	1317.9	1226.2
37.5°	3625.5	1672.8	1274.5	1274.5	922.1
40°	3488.0	1433.8	1223.8	849.7	622.8
42.5°	3328.6	1238.3	1180.4	593.8	4.8
45°	3152.4	1156.2	1127.2	4.8	2.4
47.5°	2985.9	1098.3	767.6	2.4	0.0
50°	2807.3	1035.5	526.2	2.4	0.0
52.5°	2638.3	977.6	24.1	2.4	0.0
55°	2457.3	912.4	16.9	2.4	0.0
57.5°	2252.1	849.7	14.5	2.4	0.0
60°	2061.4	782.1	12.1	2.4	0.0
62.5°	1851.4	663.8	7.2	2.4	0.0
65°	1651.0	371.7	4.8	2.4	0.0
67.5°	1453.1	60.3	4.8	2.4	0.0
70°	1235.9	41.0	2.4	2.4	0.0
72.5°	1035.5	31.4	2.4	2.4	2.4
75°	825.5	19.3	2.4	2.4	2.4
77.5°	617.9	12.1	2.4	2.4	2.4
80°	424.8	7.2	2.4	2.4	2.4
82.5°	255.9	2.4	2.4	2.4	2.4
85°	123.1	2.4	2.4	2.4	2.4
87.5°	38.6	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)