

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: P218447

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218447
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4609.0 lumens
Efficiency: N/A
Efficacy: 124.6 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

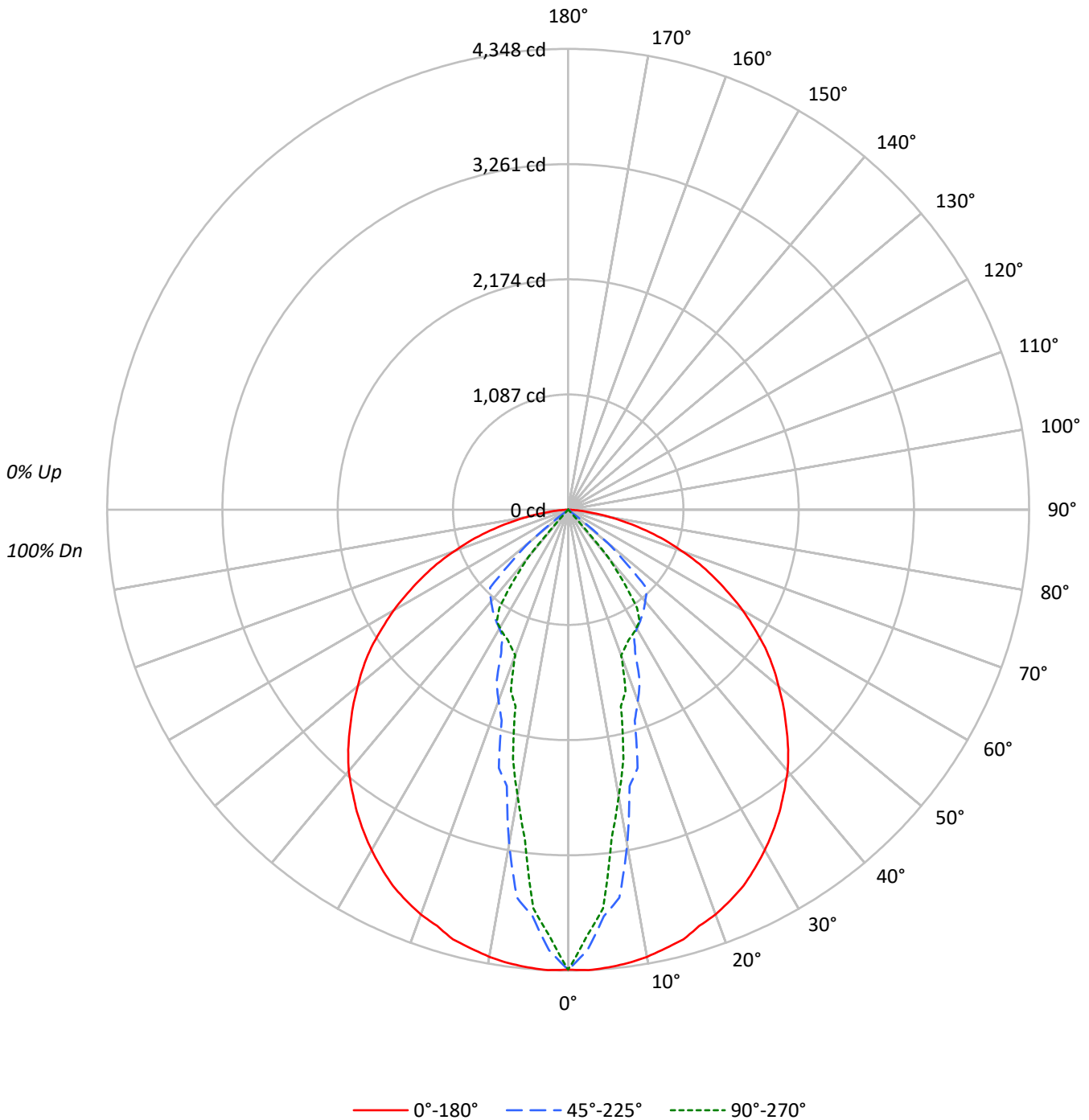
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	69927	69927	69927
5°	69866	58497	56131
10°	69582	46391	38176
15°	69240	35165	25265
20°	68635	25937	18373
25°	68262	19811	16396
30°	67391	16925	15163
35°	66419	15784	13094
40°	65421	14683	6574
45°	63643	13651	25
50°	61869	6482	0
55°	60125	214	0
60°	57178	157	0
65°	53325	67	0
70°	48208	34	0
75°	41040	37	29
80°	29419	39	31
85°	14218	43	33



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.1	7.8
10°-20°	772.0	16.8
20°-30°	921.0	20.0
30°-40°	980.0	21.3
40°-50°	716.0	15.5
50°-60°	457.3	9.9
60°-70°	275.4	6.0
70°-80°	107.3	2.3
80°-90°	21.7	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°	2051.2	44.5
0°-40°	3031.2	65.8
0°-60°	4204.6	91.2
0°-90°	4609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4340	4340	4340	4340	4340	
5°	4335	4124	3850	3780	3774	412
15°	4197	3580	2524	1967	1920	1182
25°	3914	2495	1497	1363	1352	1801
35°	3475	1648	1216	1216	1132	2174
45°	2909	1067	1040	4	2	2247
55°	2268	842	16	2	0	2019
65°	1524	343	4	2	0	1508
75°	762	18	2	2	2	805
85°	114	2	2	2	2	158
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4339.6	4339.6	4339.6	4339.6	4339.6
2.5°	4348.5	4319.6	4159.2	4092.3	4027.7
5°	4335.1	4123.5	3849.5	3780.4	3773.8
7.5°	4315.1	3925.2	3693.6	3297.0	3129.9
10°	4283.9	3796.0	3203.5	2869.3	2744.6
12.5°	4239.4	3604.5	2671.0	2479.5	2405.9
15°	4197.0	3579.9	2524.0	1967.1	1920.3
17.5°	4116.8	3080.9	2085.1	1849.0	1795.5
20°	4063.4	2853.7	1918.1	1604.0	1461.4
22.5°	3992.1	2720.0	1764.4	1459.2	1403.5
25°	3914.1	2495.0	1497.0	1363.4	1352.2
27.5°	3813.9	2194.3	1341.1	1327.7	1323.3
30°	3709.2	1862.4	1296.5	1292.1	1285.4
32.5°	3595.5	1730.9	1256.4	1256.4	1249.8
35°	3475.2	1648.5	1216.3	1216.3	1131.7
37.5°	3346.0	1543.8	1176.2	1176.2	851.0
40°	3219.1	1323.3	1129.5	784.2	574.8
42.5°	3072.0	1142.8	1089.4	548.0	4.5
45°	2909.4	1067.1	1040.3	4.5	2.2
47.5°	2755.7	1013.6	708.4	2.2	0.0
50°	2590.8	955.7	485.6	2.2	0.0
52.5°	2434.9	902.2	22.3	2.2	0.0
55°	2267.8	842.1	15.6	2.2	0.0
57.5°	2078.5	784.2	13.4	2.2	0.0
60°	1902.5	721.8	11.1	2.2	0.0
62.5°	1708.7	612.6	6.7	2.2	0.0
65°	1523.8	343.1	4.5	2.2	0.0
67.5°	1341.1	55.7	4.5	2.2	0.0
70°	1140.6	37.9	2.2	2.2	0.0
72.5°	955.7	29.0	2.2	2.2	2.2
75°	761.9	17.8	2.2	2.2	2.2
77.5°	570.3	11.1	2.2	2.2	2.2
80°	392.1	6.7	2.2	2.2	2.2
82.5°	236.1	2.2	2.2	2.2	2.2
85°	113.6	2.2	2.2	2.2	2.2
87.5°	35.6	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)