

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: P218448

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218448  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4896.1 lumens  
Efficiency: N/A  
Efficacy: 132.3 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

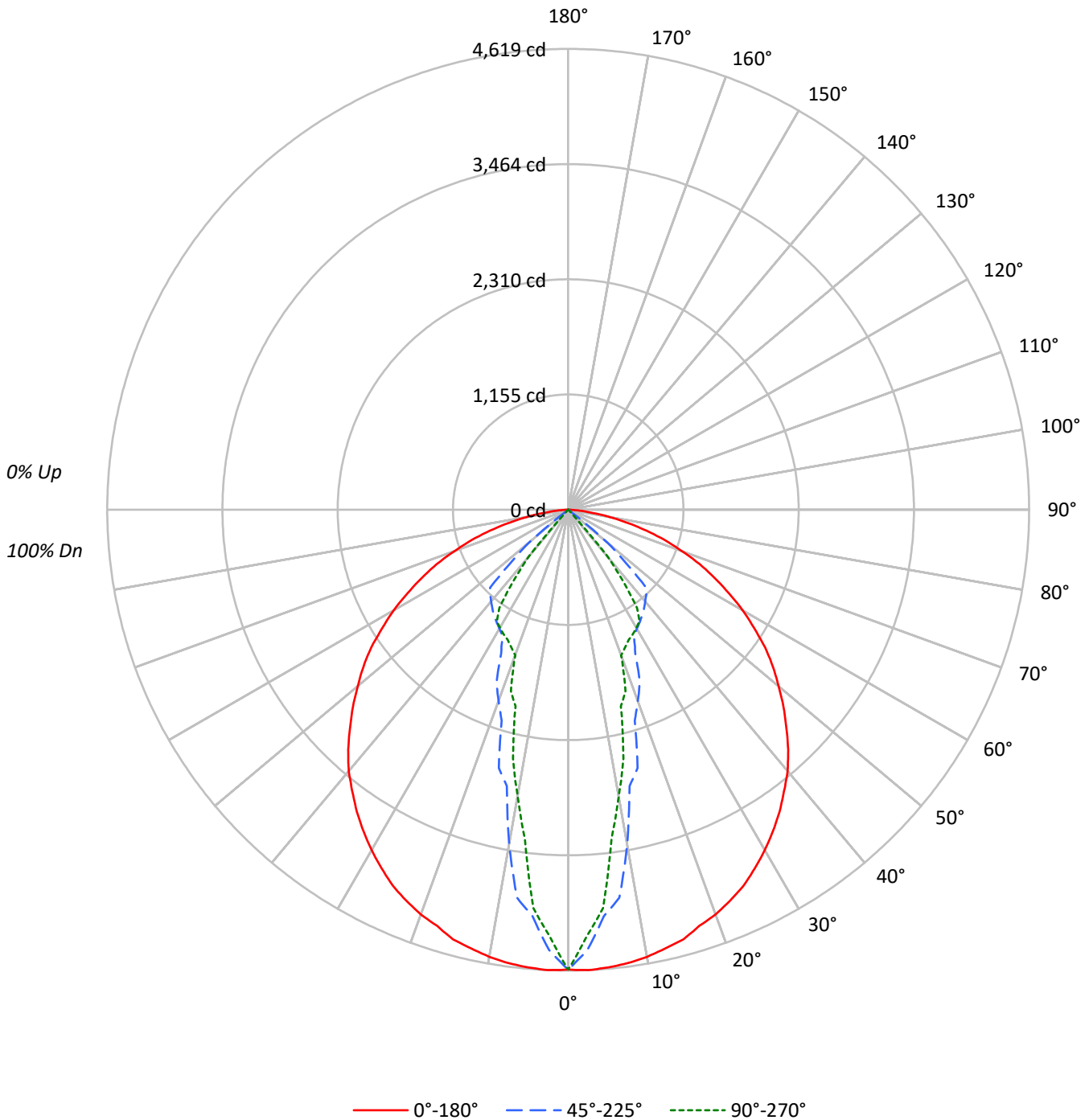
Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	74281	74281	74281
5°	74217	62139	59626
10°	73915	49278	40553
15°	73553	37355	26838
20°	72909	27552	19517
25°	72512	21044	17417
30°	71586	17980	16106
35°	70555	16768	13909
40°	69494	15597	6983
45°	67606	14501	27
50°	65723	6887	0
55°	63869	227	0
60°	60736	167	0
65°	56643	69	0
70°	51208	37	0
75°	43593	40	32
80°	31250	43	33
85°	15107	47	36



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	380.4	7.8
10°-20°	820.1	16.8
20°-30°	978.4	20.0
30°-40°	1041.0	21.3
40°-50°	760.6	15.5
50°-60°	485.8	9.9
60°-70°	292.5	6.0
70°-80°	114.0	2.3
80°-90°	23.2	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°	2178.9	44.5
0°-40°	3220.0	65.8
0°-60°	4466.4	91.2
0°-90°	4896.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4896.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4610	4610	4610	4610	4610	
5°	4605	4380	4089	4016	4009	438
15°	4458	3803	2681	2090	2040	1256
25°	4158	2650	1590	1448	1436	1913
35°	3692	1751	1292	1292	1202	2309
45°	3091	1134	1105	5	2	2387
55°	2409	894	17	2	0	2145
65°	1619	364	5	2	0	1602
75°	809	19	2	2	2	855
85°	121	2	2	2	2	168
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4609.8	4609.8	4609.8	4609.8	4609.8
2.5°	4619.3	4588.5	4418.1	4347.2	4278.5
5°	4605.1	4380.3	4089.2	4015.9	4008.8
7.5°	4583.8	4169.7	3923.6	3502.3	3324.9
10°	4550.7	4032.4	3402.9	3048.0	2915.5
12.5°	4503.3	3828.9	2837.4	2633.8	2555.8
15°	4458.4	3802.9	2681.2	2089.6	2039.9
17.5°	4373.2	3272.8	2215.0	1964.1	1907.4
20°	4316.4	3031.4	2037.5	1703.8	1552.4
22.5°	4240.7	2889.4	1874.2	1550.0	1490.9
25°	4157.8	2650.4	1590.2	1448.3	1436.4
27.5°	4051.3	2330.9	1424.6	1410.4	1405.7
30°	3940.1	1978.3	1377.3	1372.5	1365.4
32.5°	3819.4	1838.7	1334.7	1334.7	1327.6
35°	3691.6	1751.2	1292.1	1292.1	1202.2
37.5°	3554.4	1639.9	1249.5	1249.5	904.0
40°	3419.5	1405.7	1199.8	833.0	610.5
42.5°	3263.3	1214.0	1157.2	582.1	4.7
45°	3090.6	1133.5	1105.1	4.7	2.4
47.5°	2927.3	1076.7	752.5	2.4	0.0
50°	2752.2	1015.2	515.9	2.4	0.0
52.5°	2586.5	958.4	23.7	2.4	0.0
55°	2409.0	894.5	16.6	2.4	0.0
57.5°	2207.9	833.0	14.2	2.4	0.0
60°	2020.9	766.7	11.8	2.4	0.0
62.5°	1815.1	650.8	7.1	2.4	0.0
65°	1618.6	364.4	4.7	2.4	0.0
67.5°	1424.6	59.2	4.7	2.4	0.0
70°	1211.6	40.2	2.4	2.4	0.0
72.5°	1015.2	30.8	2.4	2.4	2.4
75°	809.3	18.9	2.4	2.4	2.4
77.5°	605.8	11.8	2.4	2.4	2.4
80°	416.5	7.1	2.4	2.4	2.4
82.5°	250.8	2.4	2.4	2.4	2.4
85°	120.7	2.4	2.4	2.4	2.4
87.5°	37.9	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)