

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: P218427

Luminaire Tested: **4SNLED-LD5-31SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218427
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-LD5-31SL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2977.9 lumens
Efficiency: N/A
Efficacy: 134.7 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

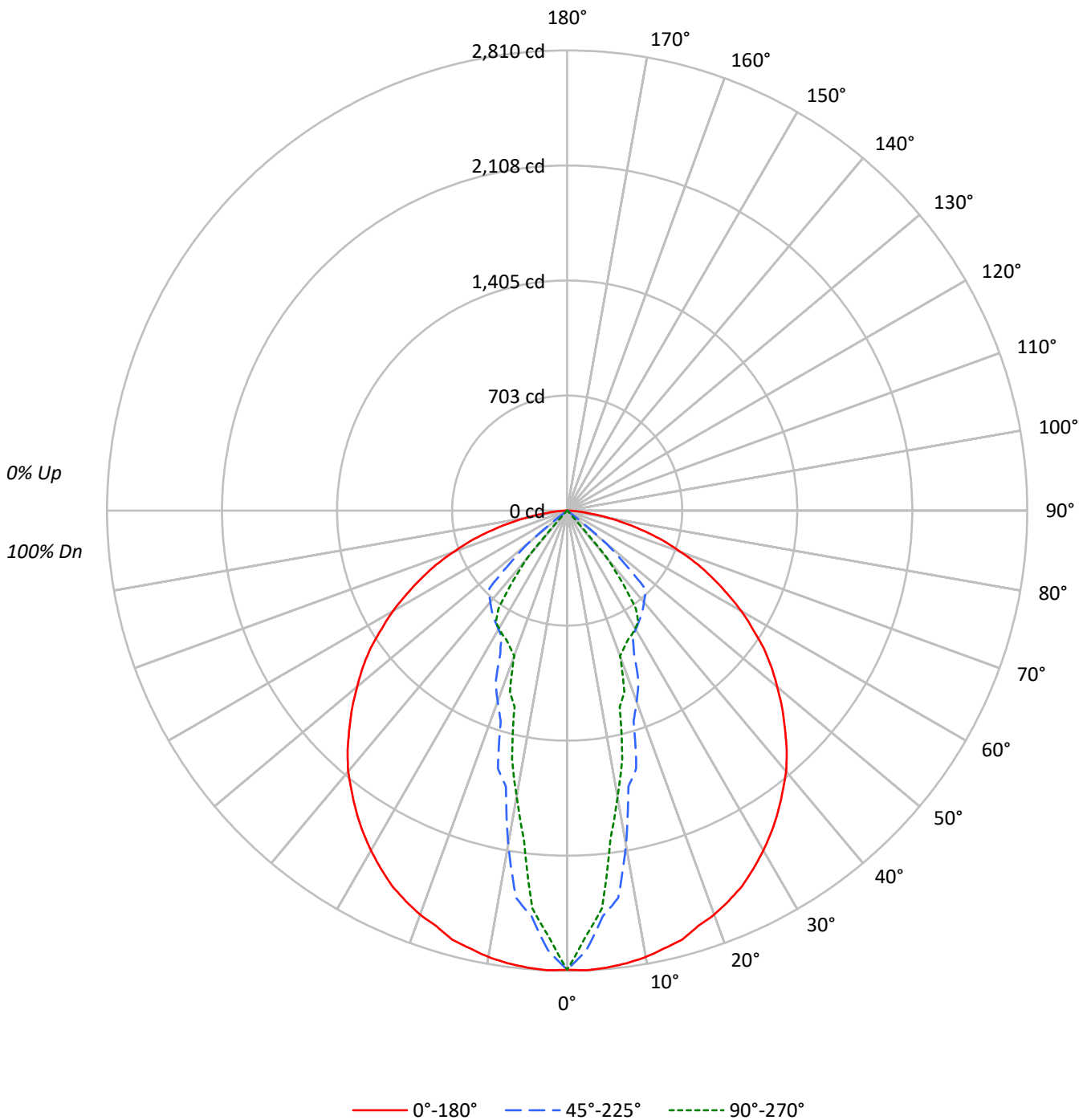
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	45	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°	45181	45181	45181
5°	45143	37797	36267
10°	44960	29973	24666
15°	44738	22721	16325
20°	44348	16758	11870
25°	44106	12801	10594
30°	43543	10936	9797
35°	42917	10199	8460
40°	42270	9487	4248
45°	41120	8821	16
50°	39975	4189	0
55°	38849	138	0
60°	36942	102	0
65°	34453	43	0
70°	31149	22	0
75°	26518	23	18
80°	19005	25	19
85°	9187	27	21



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	7.8
10°-20°	498.8	16.8
20°-30°	595.1	20.0
30°-40°	633.2	21.3
40°-50°	462.6	15.5
50°-60°	295.5	9.9
60°-70°	177.9	6.0
70°-80°	69.3	2.3
80°-90°	14.0	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°	1325.3	44.5
0°-40°	1958.6	65.8
0°-60°	2716.7	91.2
0°-90°	2977.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2977.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2804	2804	2804	2804	2804	
5°	2801	2664	2487	2443	2438	266
15°	2712	2313	1631	1271	1241	764
25°	2529	1612	967	881	874	1164
35°	2246	1065	786	786	731	1405
45°	1880	690	672	3	1	1452
55°	1465	544	10	1	0	1304
65°	984	222	3	1	0	974
75°	492	12	1	1	1	520
85°	73	1	1	1	1	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2803.9	2803.9	2803.9	2803.9	2803.9
2.5°	2809.7	2791.0	2687.3	2644.2	2602.4
5°	2801.1	2664.3	2487.3	2442.6	2438.3
7.5°	2788.1	2536.2	2386.5	2130.3	2022.3
10°	2768.0	2452.7	2069.8	1853.9	1773.3
12.5°	2739.2	2328.9	1725.8	1602.0	1554.5
15°	2711.8	2313.1	1630.8	1271.0	1240.8
17.5°	2660.0	1990.7	1347.3	1194.7	1160.1
20°	2625.5	1843.9	1239.3	1036.4	944.2
22.5°	2579.4	1757.5	1140.0	942.8	906.8
25°	2529.0	1612.1	967.3	880.9	873.7
27.5°	2464.2	1417.8	866.5	857.9	855.0
30°	2396.6	1203.3	837.7	834.8	830.5
32.5°	2323.2	1118.4	811.8	811.8	807.5
35°	2245.5	1065.2	785.9	785.9	731.2
37.5°	2162.0	997.5	760.0	760.0	549.8
40°	2079.9	855.0	729.8	506.7	371.4
42.5°	1984.9	738.4	703.9	354.1	2.9
45°	1879.8	689.5	672.2	2.9	1.4
47.5°	1780.5	654.9	457.7	1.4	0.0
50°	1674.0	617.5	313.8	1.4	0.0
52.5°	1573.3	583.0	14.4	1.4	0.0
55°	1465.3	544.1	10.1	1.4	0.0
57.5°	1343.0	506.7	8.6	1.4	0.0
60°	1229.2	466.4	7.2	1.4	0.0
62.5°	1104.0	395.8	4.3	1.4	0.0
65°	984.5	221.7	2.9	1.4	0.0
67.5°	866.5	36.0	2.9	1.4	0.0
70°	737.0	24.5	1.4	1.4	0.0
72.5°	617.5	18.7	1.4	1.4	1.4
75°	492.3	11.5	1.4	1.4	1.4
77.5°	368.5	7.2	1.4	1.4	1.4
80°	253.3	4.3	1.4	1.4	1.4
82.5°	152.6	1.4	1.4	1.4	1.4
85°	73.4	1.4	1.4	1.4	1.4
87.5°	23.0	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)