

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: P218428

Luminaire Tested: **4SNLED-LD5-31SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218428
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3164.0 lumens
Efficiency: N/A
Efficacy: 143.2 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

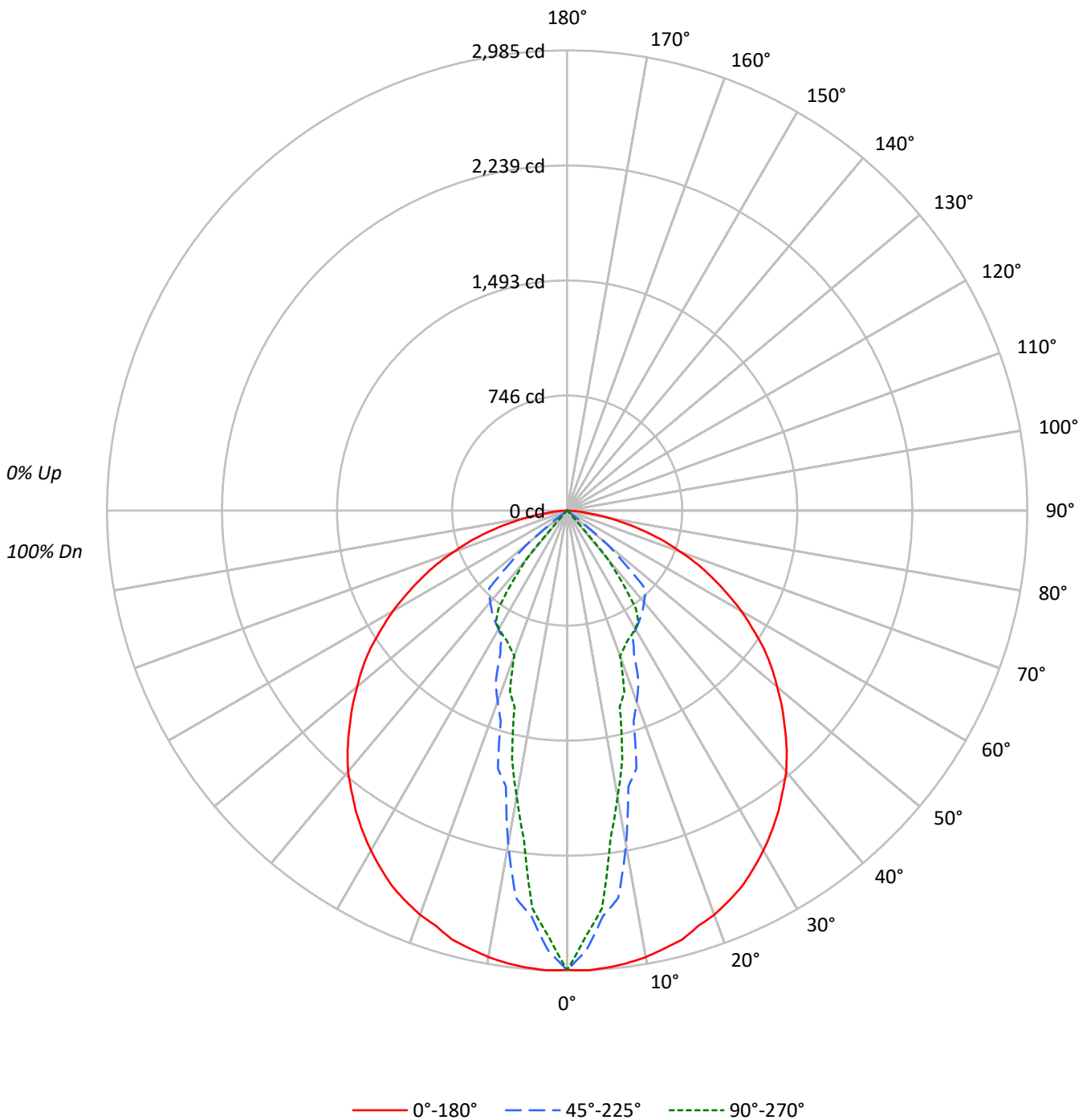
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48004	48004	48004
5°	47962	40157	38532
10°	47766	31846	26207
15°	47533	24140	17345
20°	47116	17805	12612
25°	46861	13600	11256
30°	46262	11618	10409
35°	45596	10836	8989
40°	44910	10080	4513
45°	43691	9372	17
50°	42473	4451	0
55°	41275	146	0
60°	39251	108	0
65°	36605	46	0
70°	33094	23	0
75°	28172	25	20
80°	20198	27	21
85°	9762	29	22



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	7.8
10°-20°	530.0	16.8
20°-30°	632.3	20.0
30°-40°	672.8	21.3
40°-50°	491.5	15.5
50°-60°	313.9	9.9
60°-70°	189.0	6.0
70°-80°	73.6	2.3
80°-90°	14.9	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°	1408.1	44.5
0°-40°	2080.9	65.8
0°-60°	2886.4	91.2
0°-90°	3164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2979	2979	2979	2979	2979	
5°	2976	2831	2643	2595	2591	283
15°	2881	2458	1733	1350	1318	811
25°	2687	1713	1028	936	928	1236
35°	2386	1132	835	835	777	1492
45°	1997	732	714	3	2	1543
55°	1557	578	11	2	0	1386
65°	1046	236	3	2	0	1035
75°	523	12	2	2	2	553
85°	78	2	2	2	2	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2979.1	2979.1	2979.1	2979.1	2979.1
2.5°	2985.2	2965.3	2855.2	2809.3	2765.0
5°	2976.0	2830.7	2642.6	2595.2	2590.6
7.5°	2962.2	2694.6	2535.6	2263.4	2148.7
10°	2940.8	2605.9	2199.1	1969.7	1884.1
12.5°	2910.2	2474.4	1833.6	1702.1	1651.6
15°	2881.2	2457.6	1732.7	1350.4	1318.3
17.5°	2826.1	2115.0	1431.4	1269.3	1232.6
20°	2789.4	1959.0	1316.7	1101.1	1003.2
22.5°	2740.5	1867.3	1211.2	1001.7	963.5
25°	2687.0	1712.8	1027.7	935.9	928.3
27.5°	2618.2	1506.4	920.6	911.5	908.4
30°	2546.3	1278.5	890.0	887.0	882.4
32.5°	2468.3	1188.3	862.5	862.5	857.9
35°	2385.7	1131.7	835.0	835.0	776.9
37.5°	2297.0	1059.8	807.5	807.5	584.2
40°	2209.8	908.4	775.4	538.3	394.6
42.5°	2108.9	784.5	747.8	376.2	3.1
45°	1997.3	732.5	714.2	3.1	1.5
47.5°	1891.7	695.8	486.3	1.5	0.0
50°	1778.6	656.1	333.4	1.5	0.0
52.5°	1671.5	619.4	15.3	1.5	0.0
55°	1556.8	578.1	10.7	1.5	0.0
57.5°	1426.8	538.3	9.2	1.5	0.0
60°	1306.0	495.5	7.6	1.5	0.0
62.5°	1173.0	420.6	4.6	1.5	0.0
65°	1046.0	235.5	3.1	1.5	0.0
67.5°	920.6	38.2	3.1	1.5	0.0
70°	783.0	26.0	1.5	1.5	0.0
72.5°	656.1	19.9	1.5	1.5	1.5
75°	523.0	12.2	1.5	1.5	1.5
77.5°	391.5	7.6	1.5	1.5	1.5
80°	269.2	4.6	1.5	1.5	1.5
82.5°	162.1	1.5	1.5	1.5	1.5
85°	78.0	1.5	1.5	1.5	1.5
87.5°	24.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)