

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: P218426

Luminaire Tested: **4SNLED-LD5-27SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218426
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-LD5-27SL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3083.0 lumens
Efficiency: N/A
Efficacy: 159.7 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

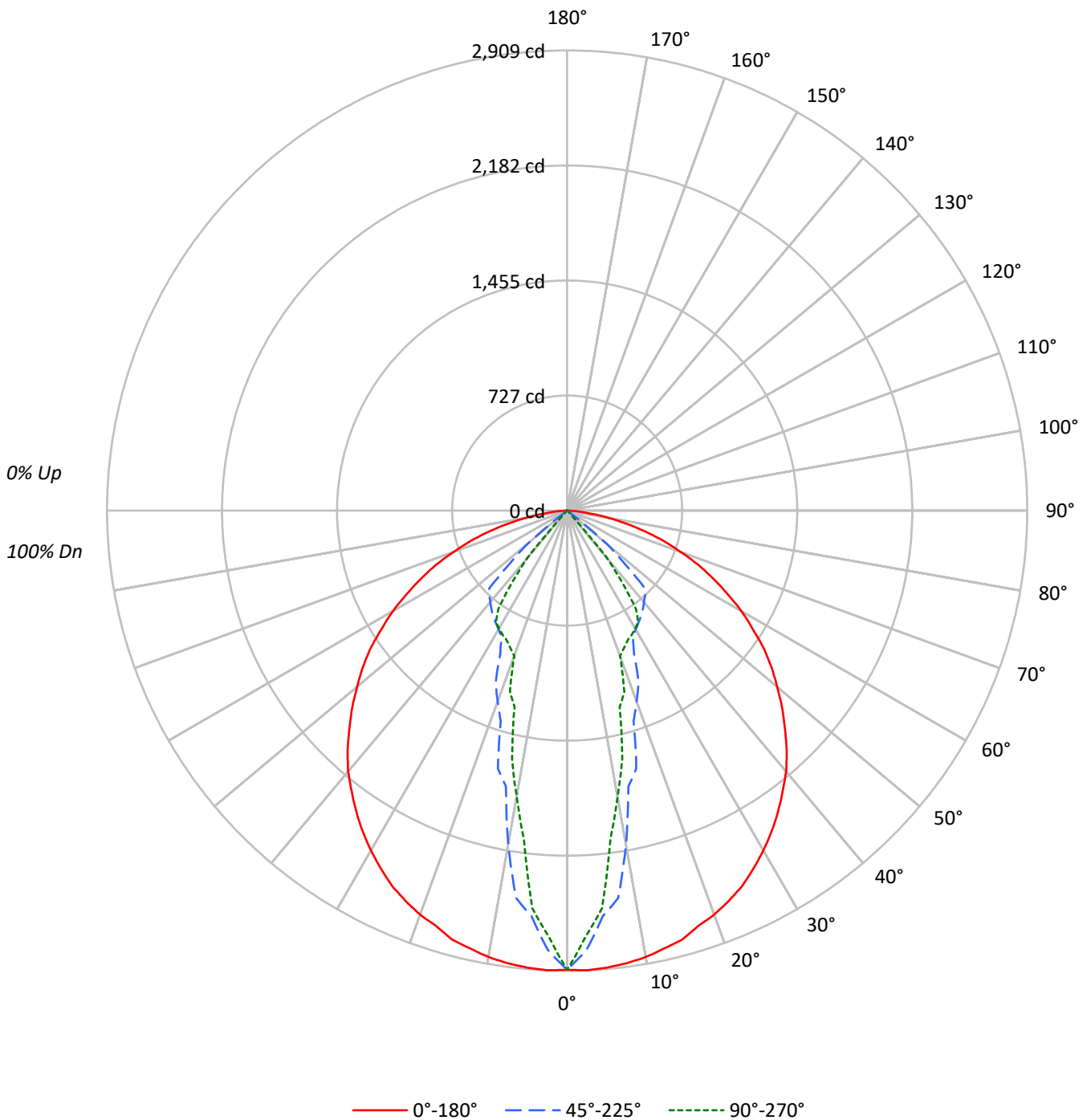
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	46775	46775	46775
5°	46734	39129	37546
10°	46543	31031	25537
15°	46315	23522	16900
20°	45910	17349	12289
25°	45661	13252	10967
30°	45078	11322	10142
35°	44429	10558	8758
40°	43761	9821	4398
45°	42571	9132	17
50°	41384	4337	0
55°	40219	142	0
60°	38247	106	0
65°	35670	44	0
70°	32248	23	0
75°	27450	25	20
80°	19680	27	21
85°	9512	29	22



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.6	7.8
10°-20°	516.4	16.8
20°-30°	616.1	20.0
30°-40°	655.5	21.3
40°-50°	479.0	15.5
50°-60°	305.9	9.9
60°-70°	184.2	6.0
70°-80°	71.8	2.3
80°-90°	14.6	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°	1372.1	44.5
0°-40°	2027.6	65.8
0°-60°	2812.5	91.2
0°-90°	3083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2903	2903	2903	2903	2903	
5°	2900	2758	2575	2529	2524	276
15°	2807	2395	1688	1316	1284	791
25°	2618	1669	1001	912	904	1205
35°	2325	1103	814	814	757	1454
45°	1946	714	696	3	2	1503
55°	1517	563	10	2	0	1350
65°	1019	230	3	2	0	1009
75°	510	12	2	2	2	538
85°	76	2	2	2	2	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2902.8	2902.8	2902.8	2902.8	2902.8
2.5°	2908.8	2889.4	2782.1	2737.4	2694.2
5°	2899.8	2758.3	2575.0	2528.8	2524.3
7.5°	2886.4	2625.6	2470.7	2205.4	2093.7
10°	2865.5	2539.2	2142.8	1919.3	1835.9
12.5°	2835.7	2411.1	1786.7	1658.5	1609.4
15°	2807.4	2394.7	1688.3	1315.8	1284.5
17.5°	2753.8	2060.9	1394.8	1236.8	1201.1
20°	2718.0	1908.9	1283.0	1072.9	977.5
22.5°	2670.3	1819.5	1180.2	976.0	938.8
25°	2618.2	1669.0	1001.4	912.0	904.5
27.5°	2551.1	1467.8	897.1	888.1	885.1
30°	2481.1	1245.8	867.3	864.3	859.8
32.5°	2405.1	1157.8	840.4	840.4	836.0
35°	2324.6	1102.7	813.6	813.6	757.0
37.5°	2238.2	1032.7	786.8	786.8	569.2
40°	2153.3	885.1	755.5	524.5	384.5
42.5°	2054.9	764.4	728.7	366.6	3.0
45°	1946.1	713.8	695.9	3.0	1.5
47.5°	1843.3	678.0	473.9	1.5	0.0
50°	1733.0	639.3	324.9	1.5	0.0
52.5°	1628.7	603.5	14.9	1.5	0.0
55°	1517.0	563.3	10.4	1.5	0.0
57.5°	1390.3	524.5	8.9	1.5	0.0
60°	1272.6	482.8	7.5	1.5	0.0
62.5°	1142.9	409.8	4.5	1.5	0.0
65°	1019.3	229.5	3.0	1.5	0.0
67.5°	897.1	37.3	3.0	1.5	0.0
70°	763.0	25.3	1.5	1.5	0.0
72.5°	639.3	19.4	1.5	1.5	1.5
75°	509.6	11.9	1.5	1.5	1.5
77.5°	381.5	7.5	1.5	1.5	1.5
80°	262.3	4.5	1.5	1.5	1.5
82.5°	158.0	1.5	1.5	1.5	1.5
85°	76.0	1.5	1.5	1.5	1.5
87.5°	23.8	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)