

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: P218409

Luminaire Tested: **2SNLED-LD5-27SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218409
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: 2SNLED-LD5-27SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2722.0 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

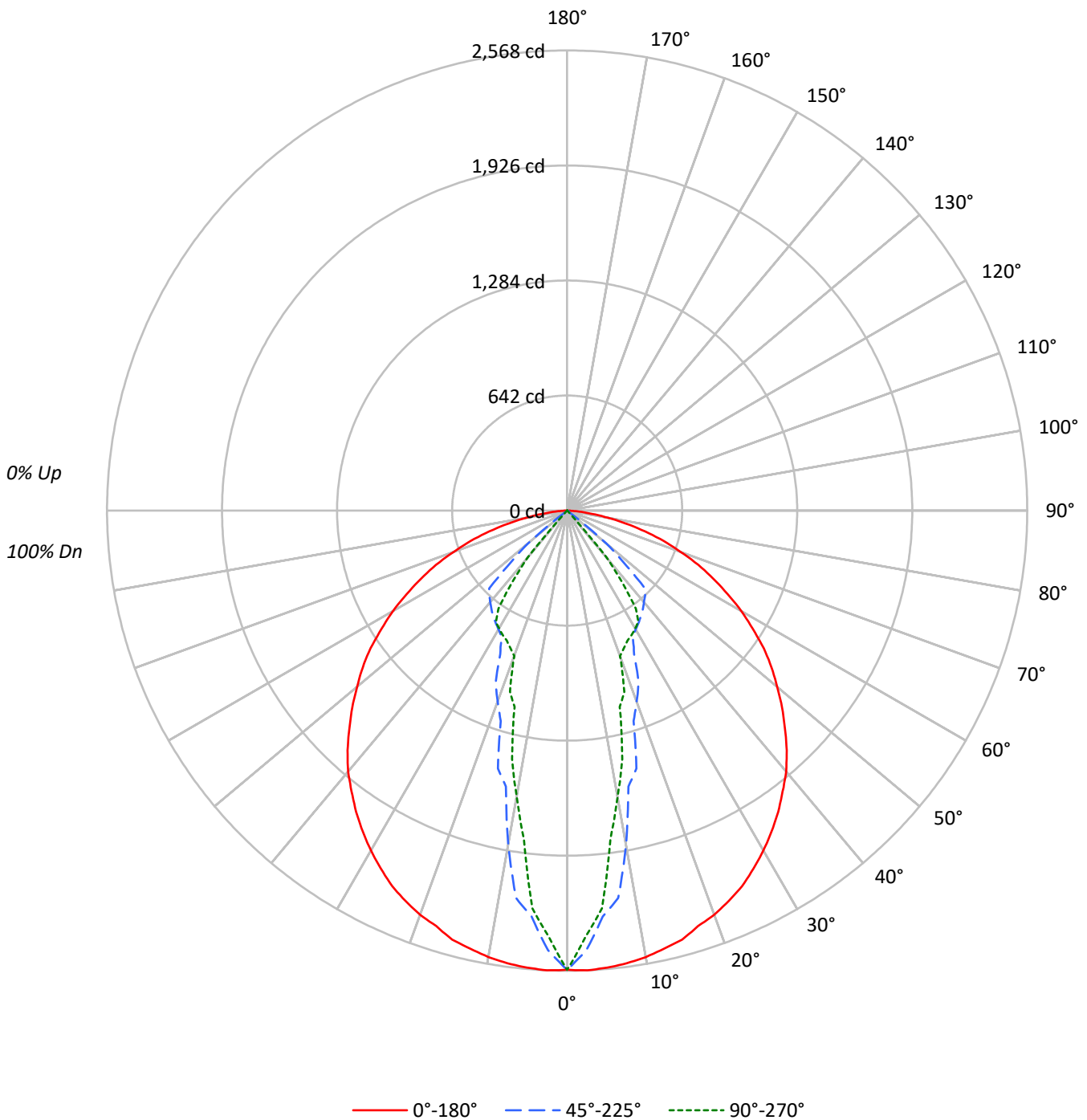
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	82595	82595	82595
5°	82226	68928	66299
10°	81592	54543	45092
15°	80890	41262	29842
20°	79875	30379	21702
25°	79117	23163	19367
30°	77769	19755	17909
35°	76286	18393	15467
40°	74742	17080	7764
45°	72274	15855	30
50°	69771	7516	0
55°	67233	247	0
60°	63271	183	0
65°	58201	75	0
70°	51627	39	0
75°	42720	42	34
80°	29169	45	36
85°	12695	49	39



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	7.8
10°-20°	456.0	16.8
20°-30°	543.9	20.0
30°-40°	578.8	21.3
40°-50°	422.9	15.5
50°-60°	270.1	9.9
60°-70°	162.6	6.0
70°-80°	63.4	2.3
80°-90°	12.8	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°	1211.4	44.5
0°-40°	1790.2	65.8
0°-60°	2483.1	91.2
0°-90°	2722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2563	2563	2563	2563	2563	
5°	2560	2435	2274	2233	2229	243
15°	2479	2114	1491	1162	1134	698
25°	2312	1474	884	805	799	1064
35°	2052	974	718	718	668	1284
45°	1718	630	614	3	1	1327
55°	1339	497	9	1	0	1192
65°	900	203	3	1	0	890
75°	450	10	1	1	1	475
85°	67	1	1	1	1	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2562.9	2562.9	2562.9	2562.9	2562.9
2.5°	2568.2	2551.1	2456.3	2416.9	2378.7
5°	2560.3	2435.3	2273.5	2232.7	2228.7
7.5°	2548.4	2318.2	2181.4	1947.2	1848.5
10°	2530.0	2241.9	1891.9	1694.6	1620.9
12.5°	2503.7	2128.7	1577.5	1464.3	1420.9
15°	2478.7	2114.3	1490.6	1161.7	1134.1
17.5°	2431.3	1819.6	1231.5	1092.0	1060.4
20°	2399.8	1685.4	1132.8	947.3	863.1
22.5°	2357.7	1606.4	1042.0	861.8	828.9
25°	2311.6	1473.5	884.1	805.2	798.6
27.5°	2252.4	1295.9	792.0	784.1	781.5
30°	2190.6	1099.9	765.7	763.1	759.1
32.5°	2123.5	1022.3	742.0	742.0	738.1
35°	2052.4	973.6	718.3	718.3	668.4
37.5°	1976.1	911.7	694.7	694.7	502.6
40°	1901.1	781.5	667.0	463.1	339.4
42.5°	1814.3	674.9	643.4	323.7	2.6
45°	1718.2	630.2	614.4	2.6	1.3
47.5°	1627.5	598.6	418.4	1.3	0.0
50°	1530.1	564.4	286.8	1.3	0.0
52.5°	1438.0	532.8	13.2	1.3	0.0
55°	1339.3	497.3	9.2	1.3	0.0
57.5°	1227.5	463.1	7.9	1.3	0.0
60°	1123.6	426.3	6.6	1.3	0.0
62.5°	1009.1	361.8	3.9	1.3	0.0
65°	899.9	202.6	2.6	1.3	0.0
67.5°	792.0	32.9	2.6	1.3	0.0
70°	673.6	22.4	1.3	1.3	0.0
72.5°	564.4	17.1	1.3	1.3	1.3
75°	450.0	10.5	1.3	1.3	1.3
77.5°	336.8	6.6	1.3	1.3	1.3
80°	231.6	3.9	1.3	1.3	1.3
82.5°	139.5	1.3	1.3	1.3	1.3
85°	67.1	1.3	1.3	1.3	1.3
87.5°	21.1	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)