

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: P218408

Luminaire Tested: **2SNLED-LD5-27SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218408
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669.0 lumens
Efficiency: N/A
Efficacy: 132.8 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

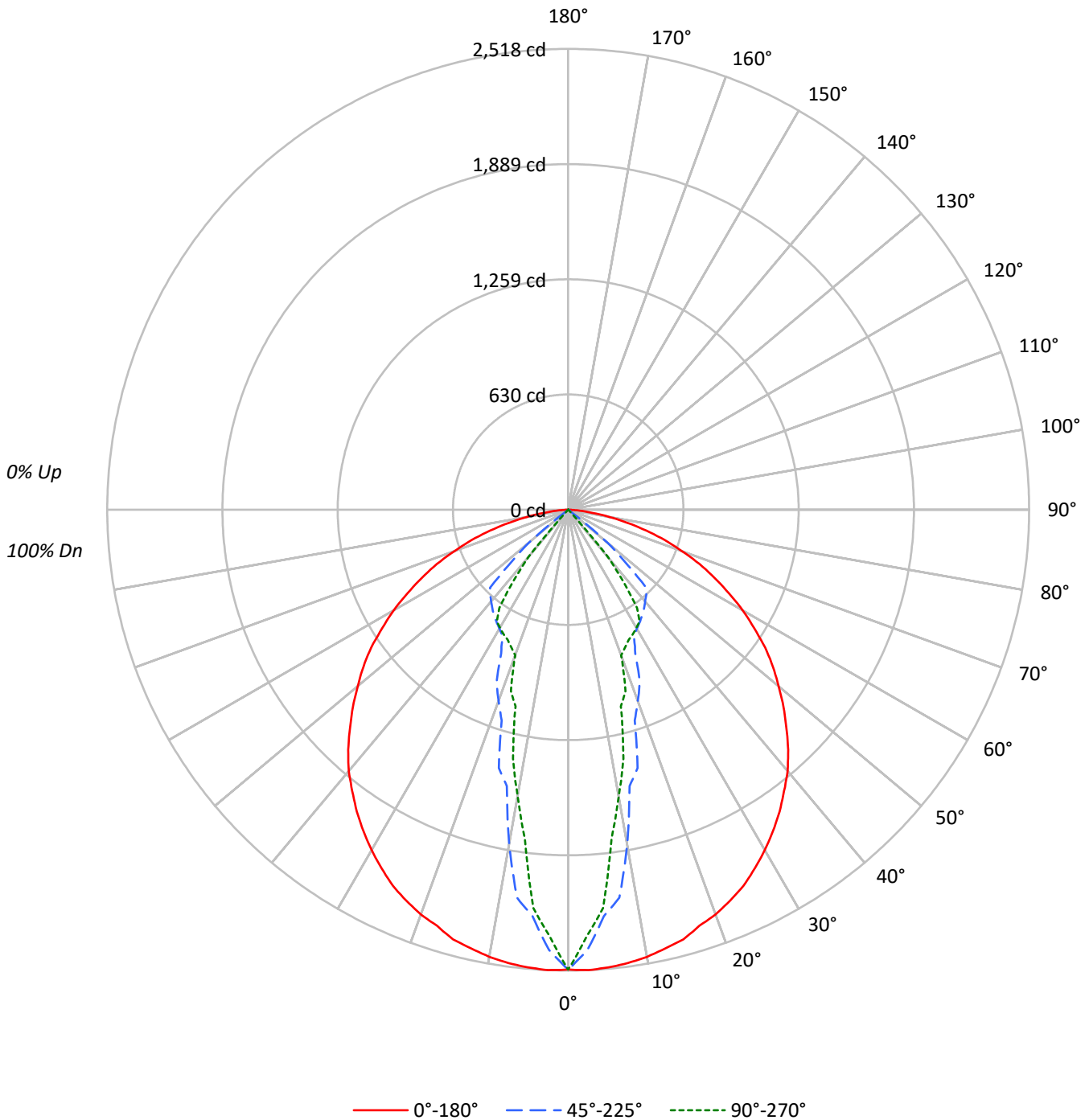
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	80987	80987	80987
5°	80623	67585	65008
10°	80002	53482	44213
15°	79314	40459	29261
20°	78317	29786	21279
25°	77577	22712	18991
30°	76253	19371	17562
35°	74803	18037	15163
40°	73287	16747	7613
45°	70869	15545	30
50°	68412	7370	0
55°	65928	241	0
60°	62037	180	0
65°	57069	75	0
70°	50623	39	0
75°	41884	42	34
80°	28590	45	36
85°	12449	49	39



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.4	7.8
10°-20°	447.1	16.8
20°-30°	533.4	20.0
30°-40°	567.5	21.3
40°-50°	414.6	15.5
50°-60°	264.8	9.9
60°-70°	159.5	6.0
70°-80°	62.2	2.3
80°-90°	12.6	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°	1187.8	44.5
0°-40°	1755.3	65.8
0°-60°	2434.8	91.2
0°-90°	2669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2513	2513	2513	2513	2513	
5°	2510	2388	2229	2189	2185	239
15°	2430	2073	1462	1139	1112	685
25°	2267	1445	867	790	783	1043
35°	2012	955	704	704	655	1259
45°	1685	618	602	3	1	1301
55°	1313	488	9	1	0	1169
65°	882	199	3	1	0	873
75°	441	10	1	1	1	466
85°	66	1	1	1	1	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2513.0	2513.0	2513.0	2513.0	2513.0
2.5°	2518.2	2501.4	2408.5	2369.8	2332.4
5°	2510.4	2387.9	2229.2	2189.2	2185.3
7.5°	2498.8	2273.0	2138.9	1909.3	1812.5
10°	2480.7	2198.2	1855.1	1661.6	1589.3
12.5°	2454.9	2087.3	1546.8	1435.8	1393.2
15°	2430.4	2073.1	1461.6	1139.1	1112.0
17.5°	2384.0	1784.1	1207.5	1070.7	1039.8
20°	2353.0	1652.5	1110.7	928.8	846.3
22.5°	2311.8	1575.1	1021.7	845.0	812.7
25°	2266.6	1444.8	866.9	789.5	783.1
27.5°	2208.5	1270.7	776.6	768.9	766.3
30°	2147.9	1078.5	750.8	748.2	744.4
32.5°	2082.1	1002.4	727.6	727.6	723.7
35°	2012.5	954.6	704.4	704.4	655.3
37.5°	1937.6	894.0	681.1	681.1	492.8
40°	1864.1	766.3	654.0	454.1	332.8
42.5°	1779.0	661.8	630.8	317.3	2.6
45°	1684.8	617.9	602.4	2.6	1.3
47.5°	1595.8	587.0	410.2	1.3	0.0
50°	1500.3	553.4	281.2	1.3	0.0
52.5°	1410.0	522.5	12.9	1.3	0.0
55°	1313.3	487.6	9.0	1.3	0.0
57.5°	1203.6	454.1	7.7	1.3	0.0
60°	1101.7	418.0	6.5	1.3	0.0
62.5°	989.5	354.8	3.9	1.3	0.0
65°	882.4	198.7	2.6	1.3	0.0
67.5°	776.6	32.3	2.6	1.3	0.0
70°	660.5	21.9	1.3	1.3	0.0
72.5°	553.4	16.8	1.3	1.3	1.3
75°	441.2	10.3	1.3	1.3	1.3
77.5°	330.3	6.5	1.3	1.3	1.3
80°	227.0	3.9	1.3	1.3	1.3
82.5°	136.7	1.3	1.3	1.3	1.3
85°	65.8	1.3	1.3	1.3	1.3
87.5°	20.6	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)