

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: P218407

Luminaire Tested: **2SNLED-LD5-27SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218407
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2512.0 lumens
Efficiency: N/A
Efficacy: 125.0 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

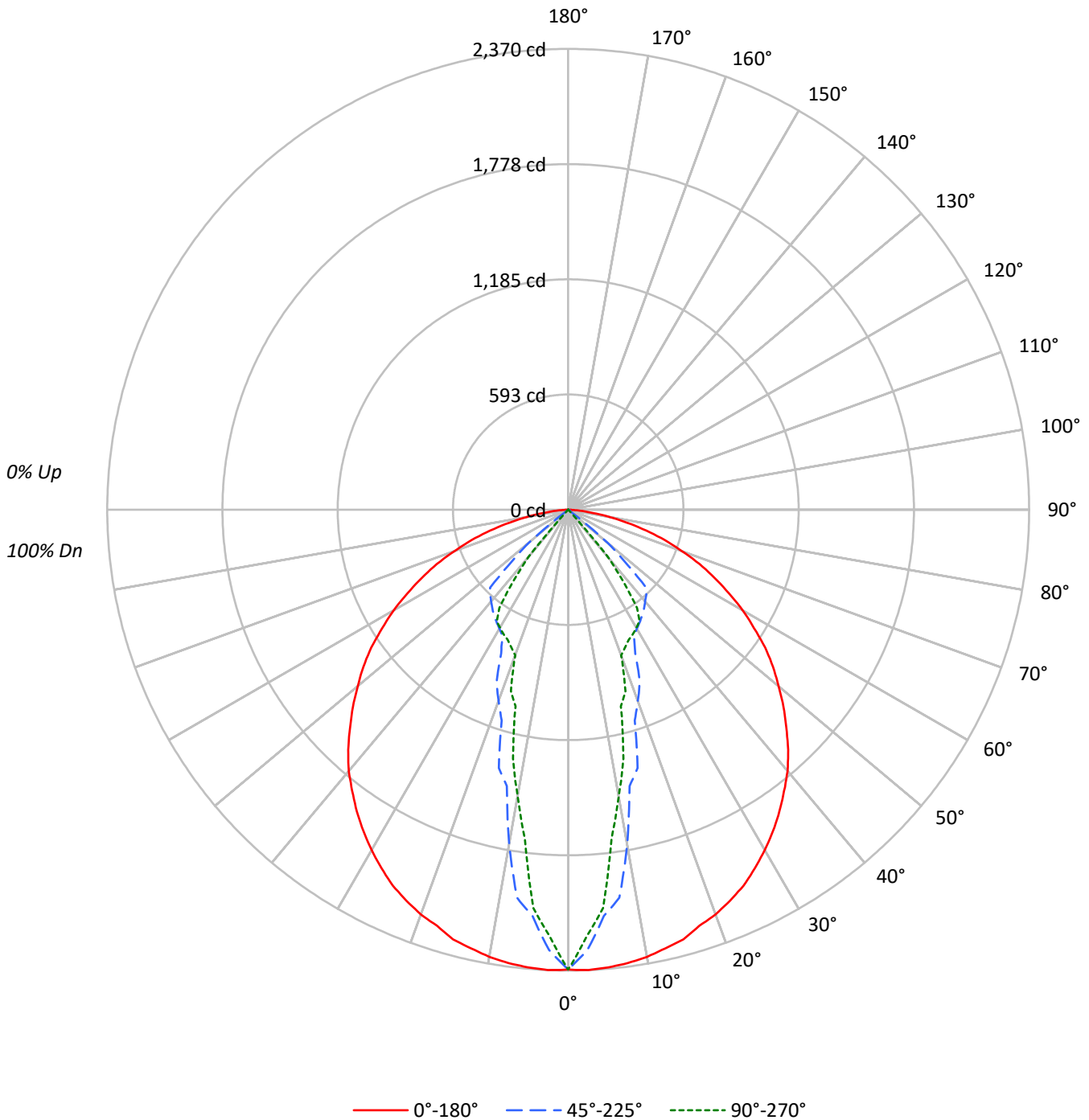
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	76224	76224	76224
5°	75880	63611	61185
10°	75296	50337	41612
15°	74650	38079	27540
20°	73711	28035	20027
25°	73015	21376	17873
30°	71770	18231	16529
35°	70402	16974	14273
40°	68978	15764	7167
45°	66701	14632	27
50°	64391	6937	0
55°	62047	228	0
60°	58388	169	0
65°	53713	69	0
70°	47641	36	0
75°	39416	39	32
80°	26915	42	33
85°	11711	45	36



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	7.8
10°-20°	420.8	16.8
20°-30°	502.0	20.0
30°-40°	534.1	21.3
40°-50°	390.2	15.5
50°-60°	249.3	9.9
60°-70°	150.1	6.0
70°-80°	58.5	2.3
80°-90°	11.8	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°	1118.0	44.5
0°-40°	1652.1	65.8
0°-60°	2291.6	91.2
0°-90°	2512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2365	2365	2365	2365	2365	
5°	2363	2247	2098	2060	2057	225
15°	2288	1951	1376	1072	1047	644
25°	2133	1360	816	743	737	982
35°	1894	898	663	663	617	1185
45°	1586	582	567	2	1	1225
55°	1236	459	8	1	0	1100
65°	830	187	2	1	0	822
75°	415	10	1	1	1	439
85°	62	1	1	1	1	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2365.2	2365.2	2365.2	2365.2	2365.2
2.5°	2370.0	2354.2	2266.8	2230.4	2195.2
5°	2362.7	2247.4	2098.1	2060.4	2056.8
7.5°	2351.8	2139.3	2013.1	1796.9	1705.9
10°	2334.8	2068.9	1746.0	1563.8	1495.8
12.5°	2310.5	1964.5	1455.8	1351.4	1311.3
15°	2287.5	1951.1	1375.6	1072.1	1046.6
17.5°	2243.8	1679.2	1136.4	1007.7	978.6
20°	2214.6	1555.3	1045.4	874.2	796.5
22.5°	2175.8	1482.5	961.6	795.3	764.9
25°	2133.3	1359.9	815.9	743.1	737.0
27.5°	2078.6	1195.9	730.9	723.6	721.2
30°	2021.6	1015.0	706.6	704.2	700.6
32.5°	1959.6	943.4	684.8	684.8	681.1
35°	1894.1	898.5	662.9	662.9	616.8
37.5°	1823.7	841.4	641.1	641.1	463.8
40°	1754.5	721.2	615.6	427.4	313.3
42.5°	1674.3	622.9	593.7	298.7	2.4
45°	1585.7	581.6	567.0	2.4	1.2
47.5°	1501.9	552.4	386.1	1.2	0.0
50°	1412.1	520.9	264.7	1.2	0.0
52.5°	1327.1	491.7	12.1	1.2	0.0
55°	1236.0	459.0	8.5	1.2	0.0
57.5°	1132.8	427.4	7.3	1.2	0.0
60°	1036.9	393.4	6.1	1.2	0.0
62.5°	931.3	333.9	3.6	1.2	0.0
65°	830.5	187.0	2.4	1.2	0.0
67.5°	730.9	30.4	2.4	1.2	0.0
70°	621.6	20.6	1.2	1.2	0.0
72.5°	520.9	15.8	1.2	1.2	1.2
75°	415.2	9.7	1.2	1.2	1.2
77.5°	310.8	6.1	1.2	1.2	1.2
80°	213.7	3.6	1.2	1.2	1.2
82.5°	128.7	1.2	1.2	1.2	1.2
85°	61.9	1.2	1.2	1.2	1.2
87.5°	19.4	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)