

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: P218424

Luminaire Tested: **4SNLED-LD5-27SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218424
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2795.1 lumens
Efficiency: N/A
Efficacy: 144.8 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

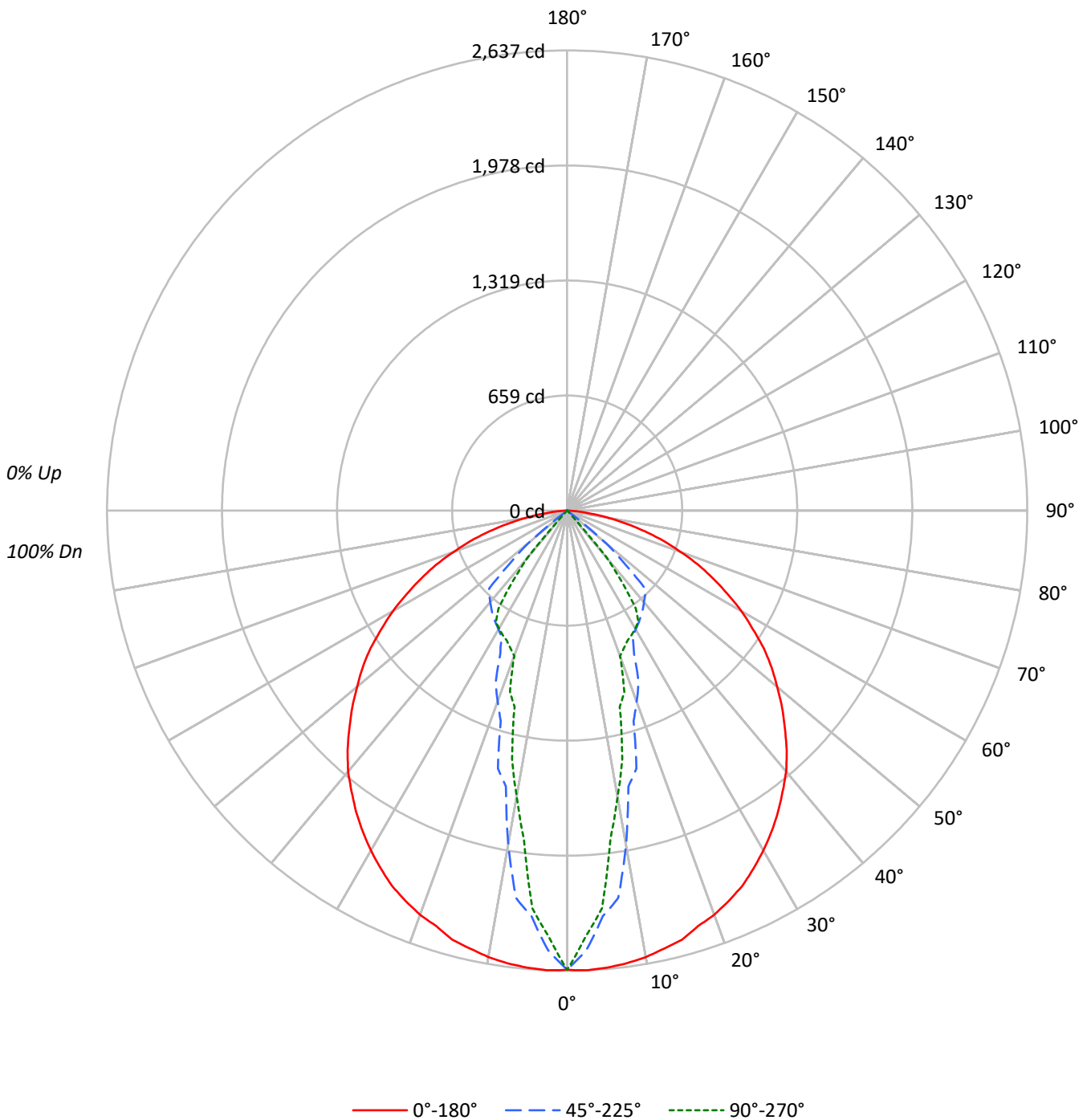
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	42405	42405	42405
5°	42368	35473	34039
10°	42197	28133	23151
15°	41989	21325	15321
20°	41621	15729	11141
25°	41395	12014	9943
30°	40866	10263	9195
35°	40279	9572	7940
40°	39672	8903	3986
45°	38594	8279	16
50°	37518	3931	0
55°	36463	130	0
60°	34673	96	0
65°	32335	40	0
70°	29235	22	0
75°	24886	23	18
80°	17842	25	19
85°	8623	27	21



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	7.8
10°-20°	468.2	16.8
20°-30°	558.5	20.0
30°-40°	594.3	21.3
40°-50°	434.2	15.5
50°-60°	277.3	9.9
60°-70°	167.0	6.0
70°-80°	65.1	2.3
80°-90°	13.2	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°	1243.9	44.5
0°-40°	1838.2	65.8
0°-60°	2549.8	91.2
0°-90°	2795.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2795.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2632	2632	2632	2632	2632	
5°	2629	2501	2334	2292	2288	250
15°	2545	2171	1531	1193	1164	717
25°	2374	1513	908	827	820	1092
35°	2108	1000	738	738	686	1318
45°	1764	647	631	3	1	1363
55°	1375	511	10	1	0	1224
65°	924	208	3	1	0	914
75°	462	11	1	1	1	488
85°	69	1	1	1	1	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2631.6	2631.6	2631.6	2631.6	2631.6
2.5°	2637.0	2619.5	2522.2	2481.7	2442.5
5°	2628.9	2500.6	2334.4	2292.5	2288.5
7.5°	2616.8	2380.4	2239.9	1999.4	1898.1
10°	2597.9	2302.0	1942.7	1740.0	1664.4
12.5°	2570.8	2185.8	1619.8	1503.6	1459.0
15°	2545.2	2171.0	1530.6	1192.9	1164.5
17.5°	2496.5	1868.4	1264.5	1121.3	1088.9
20°	2464.1	1730.6	1163.2	972.7	886.2
22.5°	2420.9	1649.5	1069.9	884.9	851.1
25°	2373.6	1513.1	907.8	826.8	820.0
27.5°	2312.8	1330.7	813.3	805.2	802.5
30°	2249.3	1129.4	786.2	783.5	779.5
32.5°	2180.4	1049.7	761.9	761.9	757.9
35°	2107.5	999.7	737.6	737.6	686.3
37.5°	2029.1	936.2	713.3	713.3	516.1
40°	1952.1	802.5	684.9	475.5	348.5
42.5°	1862.9	693.0	660.6	332.3	2.7
45°	1764.3	647.1	630.9	2.7	1.4
47.5°	1671.1	614.7	429.6	1.4	0.0
50°	1571.1	579.6	294.5	1.4	0.0
52.5°	1476.6	547.1	13.5	1.4	0.0
55°	1375.3	510.7	9.5	1.4	0.0
57.5°	1260.4	475.5	8.1	1.4	0.0
60°	1153.7	437.7	6.8	1.4	0.0
62.5°	1036.2	371.5	4.1	1.4	0.0
65°	924.0	208.0	2.7	1.4	0.0
67.5°	813.3	33.8	2.7	1.4	0.0
70°	691.7	23.0	1.4	1.4	0.0
72.5°	579.6	17.6	1.4	1.4	1.4
75°	462.0	10.8	1.4	1.4	1.4
77.5°	345.8	6.8	1.4	1.4	1.4
80°	237.8	4.1	1.4	1.4	1.4
82.5°	143.2	1.4	1.4	1.4	1.4
85°	68.9	1.4	1.4	1.4	1.4
87.5°	21.6	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)