

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: P218410

Luminaire Tested: **2SNLED-LD5-27SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218410
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2945.0 lumens
Efficiency: N/A
Efficacy: 146.5 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

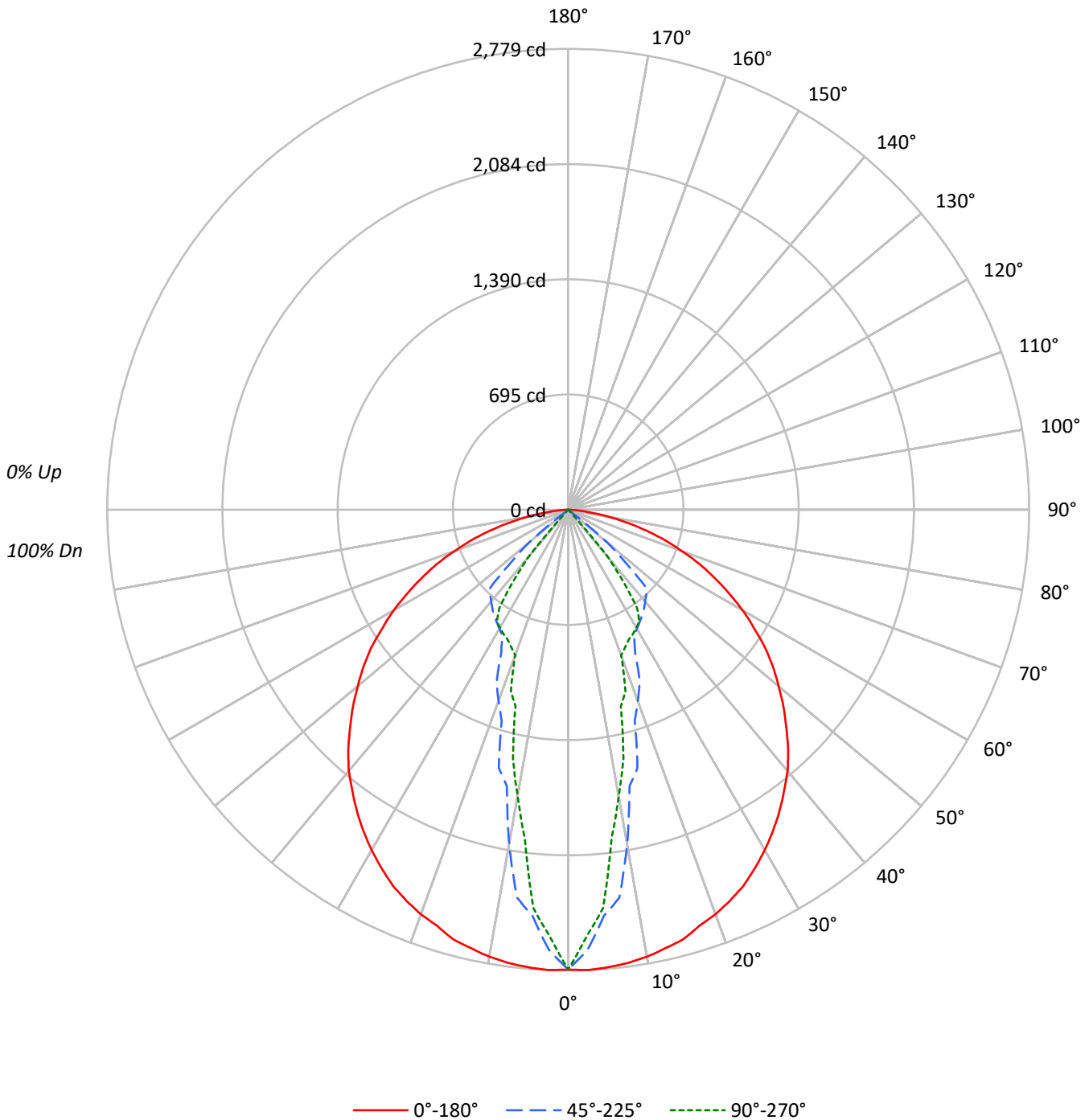
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	89363	89363	89363
5°	88961	74574	71731
10°	88277	59012	48786
15°	87518	44645	32287
20°	86419	32867	23479
25°	85600	25062	20953
30°	84138	21373	19376
35°	82538	19901	16732
40°	80867	18481	8400
45°	78197	17153	32
50°	75489	8132	0
55°	72745	268	0
60°	68451	197	0
65°	62968	81	0
70°	55858	42	0
75°	46213	45	37
80°	31550	49	39
85°	13736	53	42



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.8	7.8
10°-20°	493.3	16.8
20°-30°	588.5	20.0
30°-40°	626.2	21.3
40°-50°	457.5	15.5
50°-60°	292.2	9.9
60°-70°	175.9	6.0
70°-80°	68.6	2.3
80°-90°	13.9	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°	1310.7	44.5
0°-40°	1936.9	65.8
0°-60°	2686.6	91.2
0°-90°	2945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2773	2773	2773	2773	2773	
5°	2770	2635	2460	2416	2411	263
15°	2682	2288	1613	1257	1227	755
25°	2501	1594	957	871	864	1151
35°	2221	1053	777	777	723	1389
45°	1859	682	665	3	1	1436
55°	1449	538	10	1	0	1290
65°	974	219	3	1	0	963
75°	487	11	1	1	1	514
85°	73	1	1	1	1	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2772.9	2772.9	2772.9	2772.9	2772.9
2.5°	2778.6	2760.1	2657.6	2614.9	2573.6
5°	2770.0	2634.8	2459.7	2415.6	2411.3
7.5°	2757.2	2508.1	2360.1	2106.7	1999.9
10°	2737.3	2425.5	2046.9	1833.4	1753.7
12.5°	2708.8	2303.1	1706.7	1584.3	1537.3
15°	2681.8	2287.5	1612.8	1256.9	1227.0
17.5°	2630.5	1968.6	1332.3	1181.5	1147.3
20°	2596.4	1823.4	1225.6	1024.9	933.8
22.5°	2550.8	1738.0	1127.4	932.4	896.8
25°	2501.0	1594.3	956.6	871.1	864.0
27.5°	2436.9	1402.1	856.9	848.4	845.5
30°	2370.0	1190.0	828.4	825.6	821.3
32.5°	2297.4	1106.0	802.8	802.8	798.6
35°	2220.6	1053.3	777.2	777.2	723.1
37.5°	2138.0	986.4	751.6	751.6	543.8
40°	2056.9	845.5	721.7	501.1	367.2
42.5°	1962.9	730.2	696.1	350.2	2.8
45°	1859.0	681.8	664.7	2.8	1.4
47.5°	1760.8	647.7	452.7	1.4	0.0
50°	1655.5	610.7	310.3	1.4	0.0
52.5°	1555.8	576.5	14.2	1.4	0.0
55°	1449.1	538.1	10.0	1.4	0.0
57.5°	1328.1	501.1	8.5	1.4	0.0
60°	1215.6	461.2	7.1	1.4	0.0
62.5°	1091.8	391.4	4.3	1.4	0.0
65°	973.6	219.2	2.8	1.4	0.0
67.5°	856.9	35.6	2.8	1.4	0.0
70°	728.8	24.2	1.4	1.4	0.0
72.5°	610.7	18.5	1.4	1.4	1.4
75°	486.8	11.4	1.4	1.4	1.4
77.5°	364.4	7.1	1.4	1.4	1.4
80°	250.5	4.3	1.4	1.4	1.4
82.5°	150.9	1.4	1.4	1.4	1.4
85°	72.6	1.4	1.4	1.4	1.4
87.5°	22.8	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)