

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: P218416

Luminaire Tested: **4SNLED-LD5-19SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218416
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-LD5-19SL-RM-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1932.9 lumens
Efficiency: N/A
Efficacy: 132.4 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

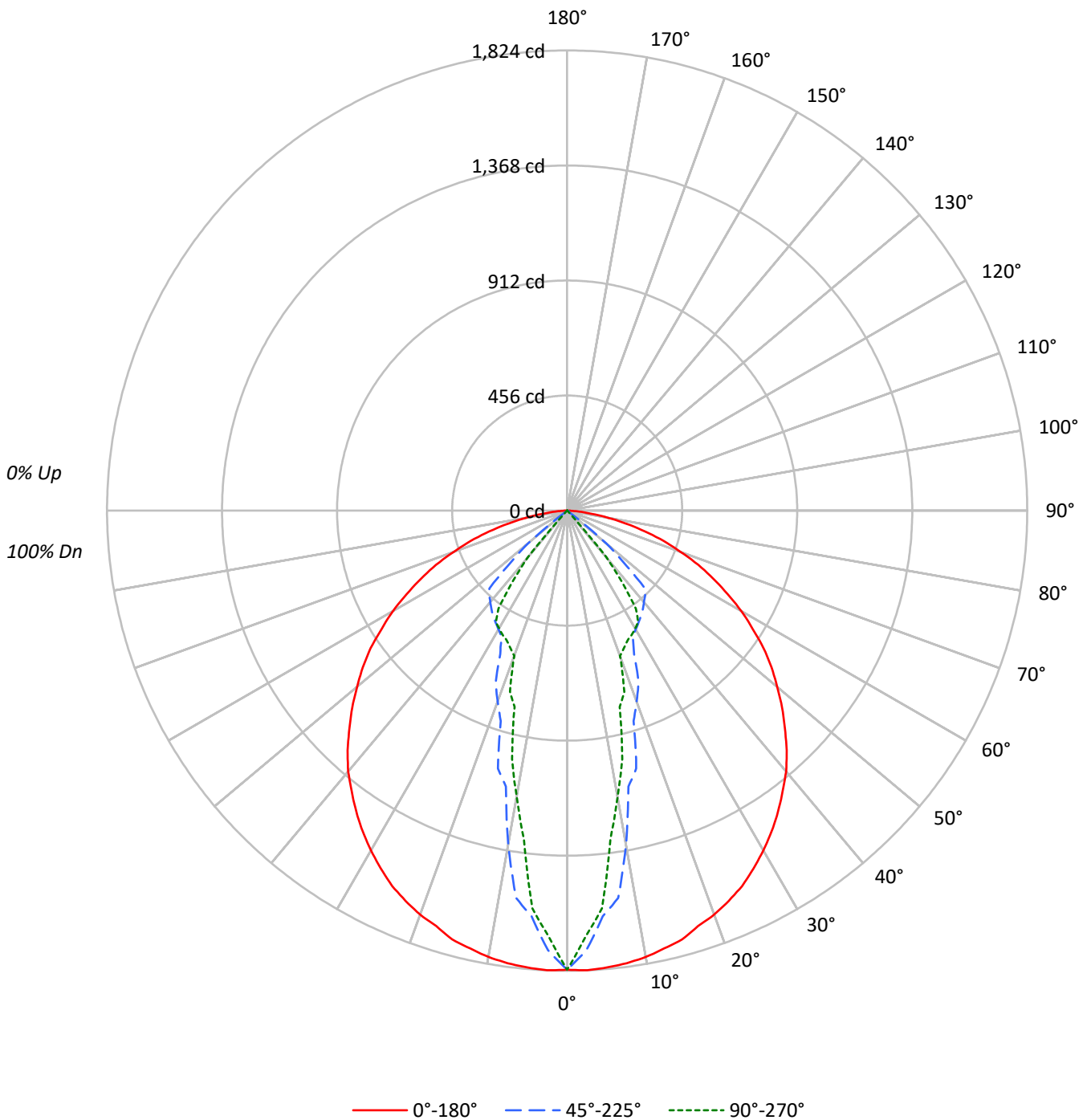
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29327	29327	29327
5°	29301	24534	23541
10°	29183	19456	16011
15°	29039	14749	10596
20°	28786	10877	7705
25°	28629	8308	6876
30°	28263	7099	6359
35°	27856	6620	5491
40°	27438	6158	2756
45°	26692	5725	10
50°	25948	2719	0
55°	25216	89	0
60°	23980	67	0
65°	22365	28	0
70°	20220	14	0
75°	17210	15	12
80°	12335	16	13
85°	5958	18	13



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.2	7.8
10°-20°	323.8	16.8
20°-30°	386.3	20.0
30°-40°	411.0	21.3
40°-50°	300.3	15.5
50°-60°	191.8	9.9
60°-70°	115.5	6.0
70°-80°	45.0	2.3
80°-90°	9.1	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°	860.3	44.5
0°-40°	1271.3	65.8
0°-60°	1763.4	91.2
0°-90°	1932.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1932.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1818	1729	1614	1586	1583	173
15°	1760	1501	1059	825	805	496
25°	1642	1046	628	572	567	755
35°	1458	691	510	510	475	912
45°	1220	448	436	2	1	943
55°	951	353	6	1	0	847
65°	639	144	2	1	0	632
75°	320	8	1	1	1	338
85°	48	1	1	1	1	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.0	1820.0	1820.0	1820.0	1820.0
2.5°	1823.8	1811.6	1744.3	1716.3	1689.2
5°	1818.1	1729.4	1614.5	1585.5	1582.7
7.5°	1809.7	1646.2	1549.1	1382.8	1312.7
10°	1796.7	1592.0	1343.5	1203.4	1151.1
12.5°	1778.0	1511.7	1120.2	1039.9	1009.0
15°	1760.2	1501.4	1058.6	825.0	805.4
17.5°	1726.6	1292.1	874.5	775.5	753.0
20°	1704.2	1196.8	804.4	672.7	612.9
22.5°	1674.3	1140.8	740.0	612.0	588.6
25°	1641.6	1046.4	627.8	571.8	567.1
27.5°	1599.5	920.3	562.4	556.8	555.0
30°	1555.6	781.1	543.8	541.9	539.1
32.5°	1508.0	726.0	526.9	526.9	524.1
35°	1457.5	691.4	510.1	510.1	474.6
37.5°	1403.3	647.5	493.3	493.3	356.9
40°	1350.1	555.0	473.7	328.9	241.0
42.5°	1288.4	479.3	456.9	229.8	1.9
45°	1220.2	447.5	436.3	1.9	0.9
47.5°	1155.7	425.1	297.1	0.9	0.0
50°	1086.6	400.8	203.7	0.9	0.0
52.5°	1021.2	378.4	9.3	0.9	0.0
55°	951.1	353.2	6.5	0.9	0.0
57.5°	871.7	328.9	5.6	0.9	0.0
60°	797.9	302.7	4.7	0.9	0.0
62.5°	716.6	256.9	2.8	0.9	0.0
65°	639.1	143.9	1.9	0.9	0.0
67.5°	562.4	23.4	1.9	0.9	0.0
70°	478.4	15.9	0.9	0.9	0.0
72.5°	400.8	12.1	0.9	0.9	0.9
75°	319.5	7.5	0.9	0.9	0.9
77.5°	239.2	4.7	0.9	0.9	0.9
80°	164.4	2.8	0.9	0.9	0.9
82.5°	99.0	0.9	0.9	0.9	0.9
85°	47.6	0.9	0.9	0.9	0.9
87.5°	14.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)