

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: P218402

Luminaire Tested: **2SNLED-LD5-19SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218402
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-LD5-19SL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2229.0 lumens
Efficiency: N/A
Efficacy: 140.2 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

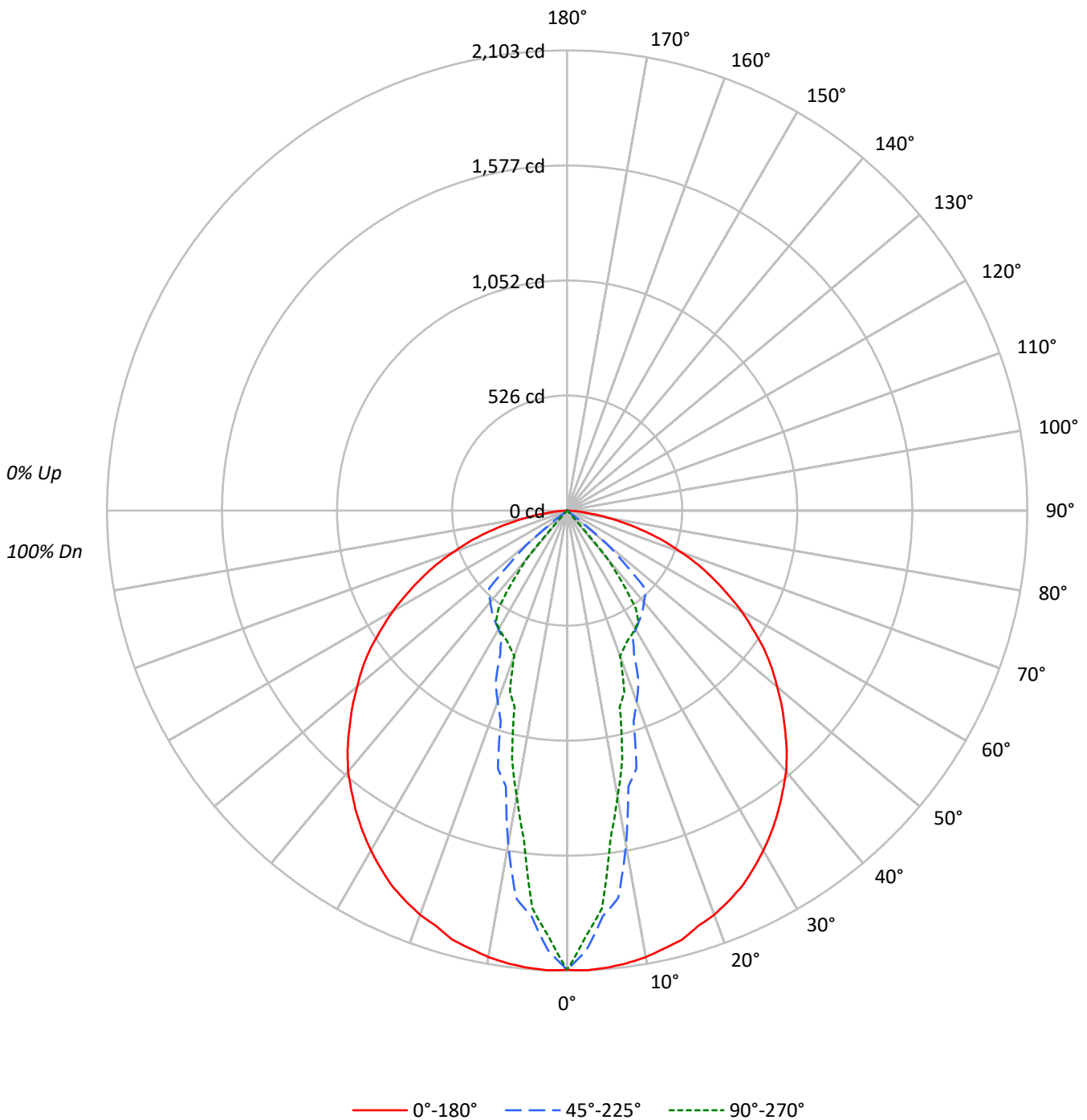
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	67635	67635	67635
5°	67334	56443	54293
10°	66815	44666	36924
15°	66240	33791	24437
20°	65406	24876	17772
25°	64787	18968	15860
30°	63682	16177	14665
35°	62470	15061	12664
40°	61206	13987	6359
45°	59184	12983	25
50°	57136	6156	0
55°	55060	201	0
60°	51811	150	0
65°	47659	63	0
70°	42276	33	0
75°	34983	35	29
80°	23880	38	31
85°	10387	42	33



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	7.8
10°-20°	373.4	16.8
20°-30°	445.4	20.0
30°-40°	474.0	21.3
40°-50°	346.3	15.5
50°-60°	221.2	9.9
60°-70°	133.2	6.0
70°-80°	51.9	2.3
80°-90°	10.5	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°	992.0	44.5
0°-40°	1466.0	65.8
0°-60°	2033.4	91.2
0°-90°	2229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2099	2099	2099	2099	2099	
5°	2097	1994	1862	1828	1825	199
15°	2030	1731	1221	951	929	572
25°	1893	1207	724	659	654	871
35°	1681	797	588	588	547	1051
45°	1407	516	503	2	1	1087
55°	1097	407	8	1	0	976
65°	737	166	2	1	0	729
75°	368	9	1	1	1	389
85°	55	1	1	1	1	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2098.7	2098.7	2098.7	2098.7	2098.7
2.5°	2103.0	2089.0	2011.4	1979.1	1947.9
5°	2096.6	1994.2	1861.7	1828.3	1825.1
7.5°	2086.9	1898.3	1786.3	1594.5	1513.7
10°	2071.8	1835.8	1549.3	1387.7	1327.3
12.5°	2050.2	1743.2	1291.8	1199.1	1163.6
15°	2029.8	1731.3	1220.7	951.3	928.7
17.5°	1991.0	1490.0	1008.4	894.2	868.4
20°	1965.1	1380.1	927.6	775.7	706.8
22.5°	1930.6	1315.5	853.3	705.7	678.7
25°	1892.9	1206.7	724.0	659.3	654.0
27.5°	1844.5	1061.2	648.6	642.1	640.0
30°	1793.8	900.7	627.0	624.9	621.6
32.5°	1738.9	837.1	607.6	607.6	604.4
35°	1680.7	797.3	588.2	588.2	547.3
37.5°	1618.2	746.6	568.9	568.9	411.6
40°	1556.8	640.0	546.2	379.2	278.0
42.5°	1485.7	552.7	526.8	265.0	2.2
45°	1407.0	516.1	503.1	2.2	1.1
47.5°	1332.7	490.2	342.6	1.1	0.0
50°	1253.0	462.2	234.9	1.1	0.0
52.5°	1177.6	436.3	10.8	1.1	0.0
55°	1096.8	407.2	7.5	1.1	0.0
57.5°	1005.2	379.2	6.5	1.1	0.0
60°	920.1	349.1	5.4	1.1	0.0
62.5°	826.3	296.3	3.2	1.1	0.0
65°	736.9	165.9	2.2	1.1	0.0
67.5°	648.6	26.9	2.2	1.1	0.0
70°	551.6	18.3	1.1	1.1	0.0
72.5°	462.2	14.0	1.1	1.1	1.1
75°	368.5	8.6	1.1	1.1	1.1
77.5°	275.8	5.4	1.1	1.1	1.1
80°	189.6	3.2	1.1	1.1	1.1
82.5°	114.2	1.1	1.1	1.1	1.1
85°	54.9	1.1	1.1	1.1	1.1
87.5°	17.2	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)