

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: P218418

Luminaire Tested: **4SNLED-LD5-19SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218418
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2133.0 lumens
Efficiency: N/A
Efficacy: 146.1 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

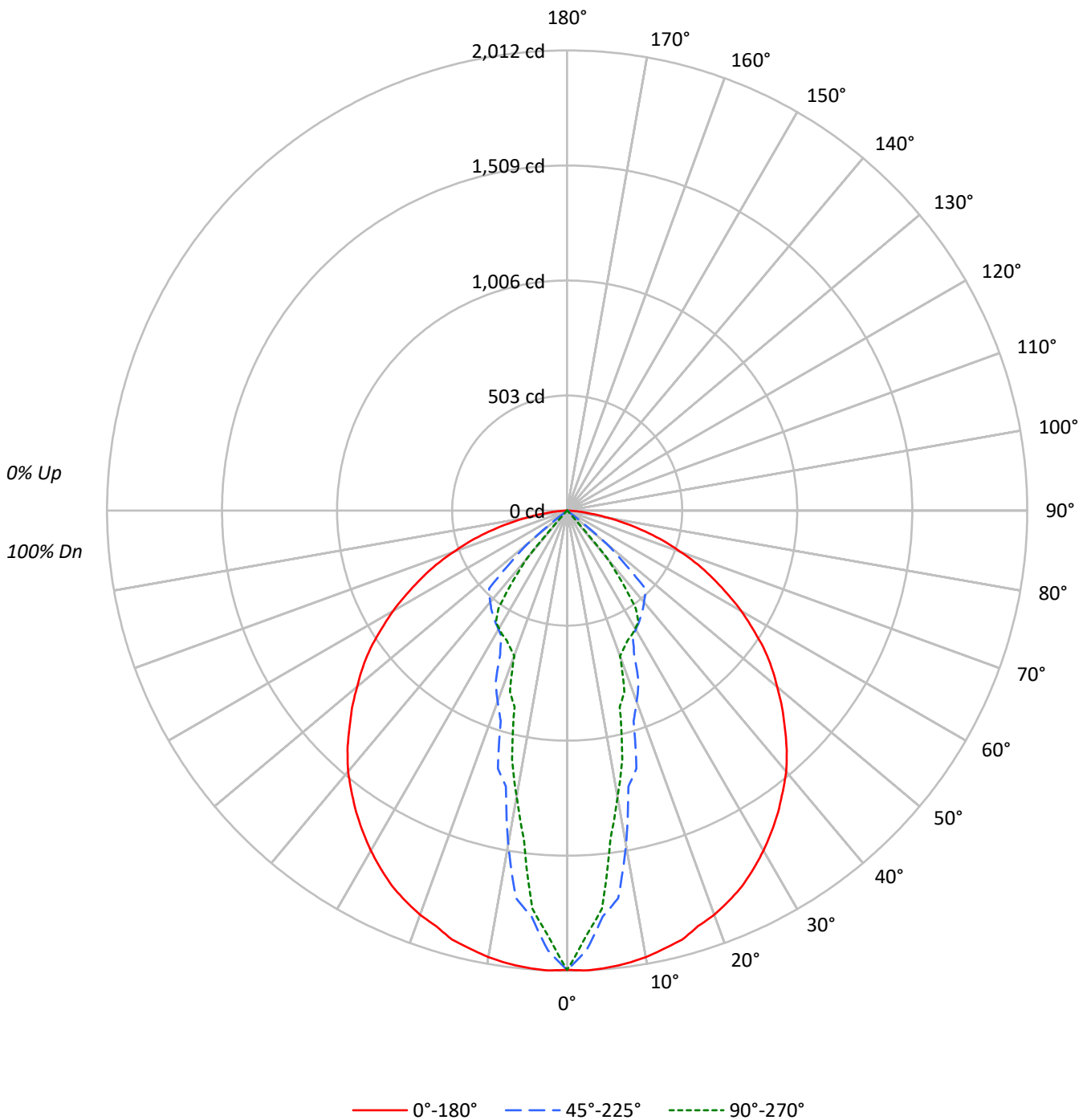
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32361	32361	32361
5°	32334	27071	25977
10°	32203	21469	17668
15°	32043	16274	11692
20°	31764	12004	8502
25°	31591	9168	7588
30°	31188	7833	7017
35°	30738	7305	6059
40°	30275	6795	3042
45°	29452	6318	11
50°	28632	3001	0
55°	27825	99	0
60°	26460	74	0
65°	24678	31	0
70°	22312	16	0
75°	18993	17	13
80°	13618	18	14
85°	6583	20	15



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.7	7.8
10°-20°	357.3	16.8
20°-30°	426.2	20.0
30°-40°	453.5	21.3
40°-50°	331.4	15.5
50°-60°	211.6	9.9
60°-70°	127.4	6.0
70°-80°	49.6	2.3
80°-90°	10.1	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°	949.3	44.5
0°-40°	1402.8	65.8
0°-60°	1945.8	91.2
0°-90°	2133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2008	2008	2008	2008	2008	
5°	2006	1908	1782	1750	1746	191
15°	1942	1657	1168	910	889	547
25°	1811	1155	693	631	626	834
35°	1608	763	563	563	524	1006
45°	1346	494	482	2	1	1040
55°	1050	390	7	1	0	934
65°	705	159	2	1	0	698
75°	353	8	1	1	1	372
85°	53	1	1	1	1	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2008.3	2008.3	2008.3	2008.3	2008.3
2.5°	2012.4	1999.0	1924.8	1893.9	1864.0
5°	2006.3	1908.3	1781.5	1749.6	1746.5
7.5°	1997.0	1816.6	1709.3	1525.8	1448.5
10°	1982.6	1756.8	1482.5	1327.9	1270.2
12.5°	1961.9	1668.1	1236.1	1147.5	1113.4
15°	1942.3	1656.8	1168.1	910.3	888.7
17.5°	1905.2	1425.8	965.0	855.7	831.0
20°	1880.5	1320.7	887.7	742.3	676.3
22.5°	1847.5	1258.8	816.5	675.3	649.5
25°	1811.4	1154.7	692.8	631.0	625.8
27.5°	1765.0	1015.5	620.6	614.5	612.4
30°	1716.6	861.9	600.0	598.0	594.9
32.5°	1664.0	801.1	581.5	581.5	578.4
35°	1608.3	762.9	562.9	562.9	523.7
37.5°	1548.5	714.5	544.4	544.4	393.8
40°	1489.7	612.4	522.7	362.9	266.0
42.5°	1421.7	528.9	504.1	253.6	2.1
45°	1346.4	493.8	481.5	2.1	1.0
47.5°	1275.3	469.1	327.8	1.0	0.0
50°	1199.0	442.3	224.8	1.0	0.0
52.5°	1126.8	417.5	10.3	1.0	0.0
55°	1049.5	389.7	7.2	1.0	0.0
57.5°	961.9	362.9	6.2	1.0	0.0
60°	880.4	334.0	5.2	1.0	0.0
62.5°	790.8	283.5	3.1	1.0	0.0
65°	705.2	158.8	2.1	1.0	0.0
67.5°	620.6	25.8	2.1	1.0	0.0
70°	527.9	17.5	1.0	1.0	0.0
72.5°	442.3	13.4	1.0	1.0	1.0
75°	352.6	8.2	1.0	1.0	1.0
77.5°	263.9	5.2	1.0	1.0	1.0
80°	181.5	3.1	1.0	1.0	1.0
82.5°	109.3	1.0	1.0	1.0	1.0
85°	52.6	1.0	1.0	1.0	1.0
87.5°	16.5	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)