

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: P218202

Luminaire Tested: **4SNLED-LD5-41SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-41SL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4564.0 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

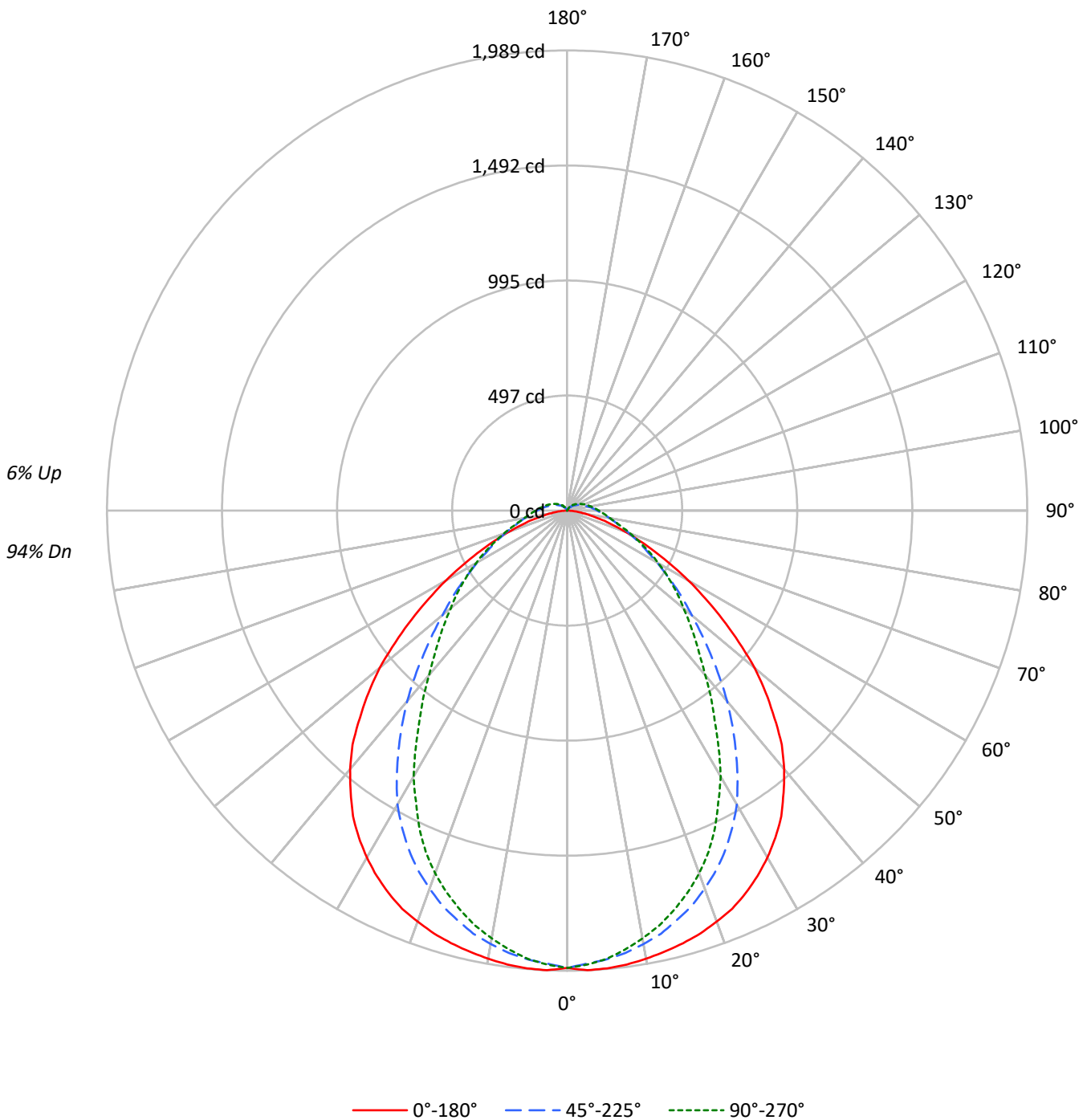
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31850	31850	31850
5°	32010	29597	28934
10°	31948	27543	26122
15°	31934	25528	23506
20°	31924	23509	20980
25°	31830	21416	18340
30°	31455	19148	15657
35°	30838	16507	12881
40°	29663	13972	10616
45°	27720	11486	8904
50°	25265	9373	7508
55°	21740	7737	6399
60°	18213	6334	5361
65°	14474	5260	4432
70°	11281	4420	3658
75°	8548	3753	3037
80°	5957	3319	2609
85°	3617	3021	2360



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	4.1
10°-20°	521.5	11.4
20°-30°	755.2	16.5
30°-40°	821.9	18.0
40°-50°	730.0	16.0
50°-60°	555.7	12.2
60°-70°	368.9	8.1
70°-80°	224.8	4.9
80°-90°	139.3	3.1
90°-100°	95.1	2.1
100°-110°	66.8	1.5
110°-120°	45.5	1.0
120°-130°	28.9	0.6
130°-140°	16.4	0.4
140°-150°	7.7	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1462.5	32.0
0°-40°	2284.5	50.1
0°-60°	3570.1	78.2
0°-90°	4303.1	94.3
90°-120°	207.4	4.5
90°-150°	260.3	5.7
90°-180°	261.0	5.7
0°-180°	4564.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1977	1977	1977	1977	1977	
5°	1986	1974	1948	1957	1945	189
15°	1936	1902	1832	1811	1787	547
25°	1825	1743	1618	1553	1512	840
35°	1614	1469	1272	1161	1113	1005
45°	1267	1077	875	801	782	976
55°	820	666	565	556	553	736
65°	414	356	356	370	366	417
75°	159	180	226	238	231	172
85°	29	91	154	164	159	34
90°	0	67	130	142	137	2
95°	0	53	111	123	120	0
105°	0	34	79	91	91	0
115°	0	22	58	70	67	0
125°	0	14	38	48	48	0
135°	0	10	26	34	34	0
145°	0	5	14	19	19	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218202

CATALOG NUMBER: 4SNLED-LD5-41SL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1976.6	1976.6	1976.6	1976.6	1976.6
2.5°	1988.6	1979.0	1959.7	1971.7	1964.5
5°	1986.2	1974.2	1947.7	1957.3	1945.3
7.5°	1979.0	1964.5	1928.5	1933.3	1914.0
10°	1966.9	1947.7	1902.0	1897.2	1878.0
12.5°	1952.5	1928.5	1873.2	1856.3	1837.1
15°	1935.7	1902.0	1832.3	1810.6	1786.6
17.5°	1916.4	1870.8	1791.4	1757.7	1731.3
20°	1890.0	1834.7	1738.5	1697.6	1668.8
22.5°	1863.5	1791.4	1683.2	1627.9	1596.6
25°	1825.1	1743.3	1618.3	1553.4	1512.5
27.5°	1781.8	1688.0	1546.1	1462.0	1416.3
30°	1731.3	1623.1	1466.8	1368.2	1327.3
32.5°	1676.0	1550.9	1370.6	1264.8	1219.1
35°	1613.5	1469.2	1272.0	1161.4	1113.3
37.5°	1536.5	1380.2	1173.4	1060.4	1021.9
40°	1459.6	1286.4	1074.8	969.0	928.2
42.5°	1373.0	1183.0	973.9	877.7	848.8
45°	1267.2	1077.2	875.3	800.7	781.5
47.5°	1163.8	969.0	786.3	733.4	716.6
50°	1058.0	863.2	702.1	668.5	656.4
52.5°	935.4	759.8	632.4	610.8	606.0
55°	820.0	666.1	565.1	555.5	553.1
57.5°	709.3	577.1	502.6	509.8	505.0
60°	606.0	495.3	447.3	456.9	454.5
62.5°	505.0	420.8	396.8	416.0	411.2
65°	413.6	355.9	355.9	370.3	365.5
67.5°	334.2	303.0	317.4	331.8	327.0
70°	266.9	254.9	283.7	295.8	291.0
72.5°	206.8	214.0	250.1	264.5	257.3
75°	158.7	180.3	226.0	238.1	230.8
77.5°	113.0	151.5	204.4	214.0	206.8
80°	79.4	127.4	185.2	194.8	187.6
82.5°	50.5	108.2	168.3	177.9	173.1
85°	28.9	91.4	153.9	163.5	158.7
87.5°	14.4	79.4	139.5	151.5	146.7
90°	0.0	67.3	129.8	141.9	137.1
92.5°	0.0	60.1	120.2	132.3	127.4
95°	0.0	52.9	110.6	122.6	120.2
97.5°	0.0	48.1	103.4	115.4	110.6
100°	0.0	40.9	93.8	105.8	103.4
102.5°	0.0	38.5	86.6	98.6	96.2
105°	0.0	33.7	79.4	91.4	91.4
107.5°	0.0	31.3	74.5	86.6	84.2
110°	0.0	26.5	67.3	79.4	79.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.0	62.5	74.5	72.1
115°	0.0	21.6	57.7	69.7	67.3
117.5°	0.0	21.6	52.9	62.5	62.5
120°	0.0	19.2	48.1	57.7	57.7
122.5°	0.0	16.8	43.3	52.9	52.9
125°	0.0	14.4	38.5	48.1	48.1
127.5°	0.0	14.4	36.1	45.7	45.7
130°	0.0	12.0	31.3	40.9	40.9
132.5°	0.0	9.6	28.9	36.1	36.1
135°	0.0	9.6	26.5	33.7	33.7
137.5°	0.0	7.2	21.6	28.9	28.9
140°	0.0	7.2	19.2	26.5	26.5
142.5°	0.0	4.8	16.8	24.0	21.6
145°	0.0	4.8	14.4	19.2	19.2
147.5°	0.0	2.4	12.0	16.8	16.8
150°	0.0	2.4	9.6	14.4	12.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)