

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: P218228

Luminaire Tested: **4SNLED-LD5-60HL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218228
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-LD5-60HL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5747.0 lumens
Efficiency: N/A
Efficacy: 133.7 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

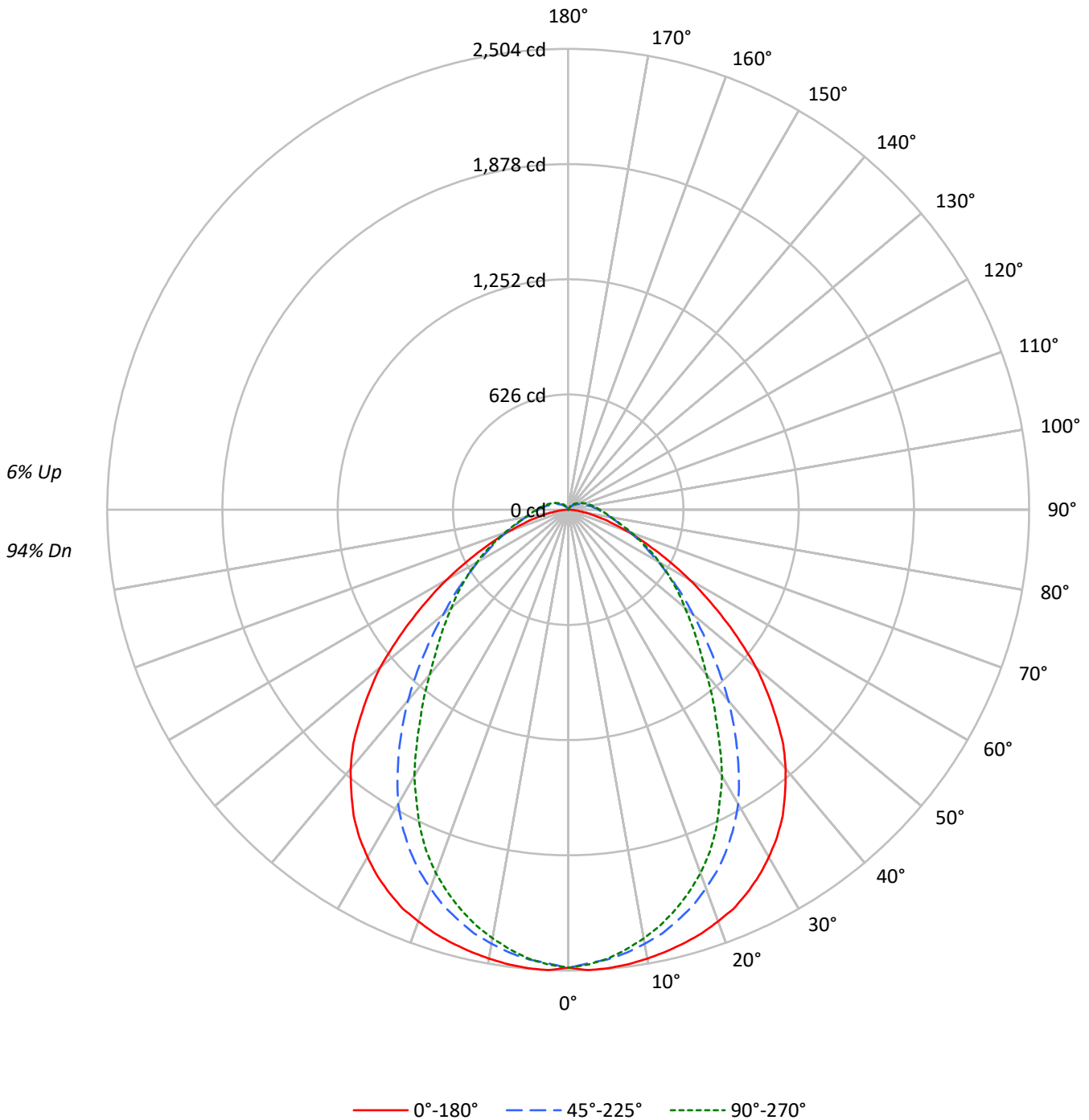
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	40105	40105	40105
5°	40307	37269	36434
10°	40230	34683	32892
15°	40211	32144	29599
20°	40199	29602	26417
25°	40079	26966	23093
30°	39607	24112	19716
35°	38831	20786	16220
40°	37351	17594	13367
45°	34906	14462	11212
50°	31816	11802	9454
55°	27374	9741	8057
60°	22931	7975	6751
65°	18225	6623	5580
70°	14205	5567	4606
75°	10762	4726	3825
80°	7495	4178	3285
85°	4543	3804	2972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	4.1
10°-20°	656.7	11.4
20°-30°	950.9	16.5
30°-40°	1035.0	18.0
40°-50°	919.2	16.0
50°-60°	699.7	12.2
60°-70°	464.6	8.1
70°-80°	283.1	4.9
80°-90°	175.4	3.1
90°-100°	119.8	2.1
100°-110°	84.1	1.5
110°-120°	57.3	1.0
120°-130°	36.3	0.6
130°-140°	20.6	0.4
140°-150°	9.7	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1841.6	32.0
0°-40°	2876.6	50.1
0°-60°	4495.5	78.2
0°-90°	5418.5	94.3
90°-120°	261.2	4.5
90°-150°	327.8	5.7
90°-180°	329.0	5.7
0°-180°	5747.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2489	2489	2489	2489	2489	
5°	2501	2486	2453	2465	2450	238
15°	2437	2395	2307	2280	2250	689
25°	2298	2195	2038	1956	1904	1058
35°	2032	1850	1602	1462	1402	1266
45°	1596	1356	1102	1008	984	1229
55°	1032	839	712	699	696	926
65°	521	448	448	466	460	525
75°	200	227	285	300	291	216
85°	36	115	194	206	200	43
90°	0	85	164	179	173	2
95°	0	67	139	154	151	0
105°	0	42	100	115	115	0
115°	0	27	73	88	85	0
125°	0	18	48	61	61	0
135°	0	12	33	42	42	0
145°	0	6	18	24	24	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2488.9	2488.9	2488.9	2488.9	2488.9
2.5°	2504.0	2491.9	2467.7	2482.8	2473.7
5°	2501.0	2485.9	2452.6	2464.7	2449.5
7.5°	2491.9	2473.7	2428.3	2434.4	2410.2
10°	2476.8	2452.6	2395.0	2389.0	2364.7
12.5°	2458.6	2428.3	2358.7	2337.5	2313.3
15°	2437.4	2395.0	2307.2	2280.0	2249.7
17.5°	2413.2	2355.7	2255.7	2213.4	2180.0
20°	2379.9	2310.2	2189.1	2137.7	2101.3
22.5°	2346.6	2255.7	2119.5	2049.8	2010.5
25°	2298.1	2195.2	2037.7	1956.0	1904.5
27.5°	2243.6	2125.5	1946.9	1840.9	1783.4
30°	2180.0	2043.8	1847.0	1722.8	1671.4
32.5°	2110.4	1953.0	1725.9	1592.6	1535.1
35°	2031.7	1850.0	1601.7	1462.4	1401.9
37.5°	1934.8	1738.0	1477.6	1335.3	1286.8
40°	1837.9	1619.9	1353.4	1220.2	1168.7
42.5°	1728.9	1489.7	1226.3	1105.2	1068.8
45°	1595.7	1356.5	1102.1	1008.3	984.0
47.5°	1465.5	1220.2	990.1	923.5	902.3
50°	1332.3	1087.0	884.1	841.7	826.6
52.5°	1177.8	956.8	796.3	769.1	763.0
55°	1032.5	838.7	711.5	699.4	696.4
57.5°	893.2	726.7	632.8	641.9	635.8
60°	763.0	623.7	563.2	575.3	572.3
62.5°	635.8	529.9	499.6	523.8	517.8
65°	520.8	448.1	448.1	466.3	460.2
67.5°	420.9	381.5	399.7	417.8	411.8
70°	336.1	321.0	357.3	372.4	366.4
72.5°	260.4	269.5	314.9	333.1	324.0
75°	199.8	227.1	284.6	299.8	290.7
77.5°	142.3	190.8	257.4	269.5	260.4
80°	99.9	160.5	233.1	245.3	236.2
82.5°	63.6	136.3	211.9	224.1	218.0
85°	36.3	115.1	193.8	205.9	199.8
87.5°	18.2	99.9	175.6	190.8	184.7
90°	0.0	84.8	163.5	178.6	172.6
92.5°	0.0	75.7	151.4	166.5	160.5
95°	0.0	66.6	139.3	154.4	151.4
97.5°	0.0	60.6	130.2	145.3	139.3
100°	0.0	51.5	118.1	133.2	130.2
102.5°	0.0	48.4	109.0	124.1	121.1
105°	0.0	42.4	99.9	115.1	115.1
107.5°	0.0	39.4	93.9	109.0	106.0
110°	0.0	33.3	84.8	99.9	99.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.3	78.7	93.9	90.8
115°	0.0	27.3	72.7	87.8	84.8
117.5°	0.0	27.3	66.6	78.7	78.7
120°	0.0	24.2	60.6	72.7	72.7
122.5°	0.0	21.2	54.5	66.6	66.6
125°	0.0	18.2	48.4	60.6	60.6
127.5°	0.0	18.2	45.4	57.5	57.5
130°	0.0	15.1	39.4	51.5	51.5
132.5°	0.0	12.1	36.3	45.4	45.4
135°	0.0	12.1	33.3	42.4	42.4
137.5°	0.0	9.1	27.3	36.3	36.3
140°	0.0	9.1	24.2	33.3	33.3
142.5°	0.0	6.1	21.2	30.3	27.3
145°	0.0	6.1	18.2	24.2	24.2
147.5°	0.0	3.0	15.1	21.2	21.2
150°	0.0	3.0	12.1	18.2	15.1
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)