

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: P217980

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-60HL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6068.0 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

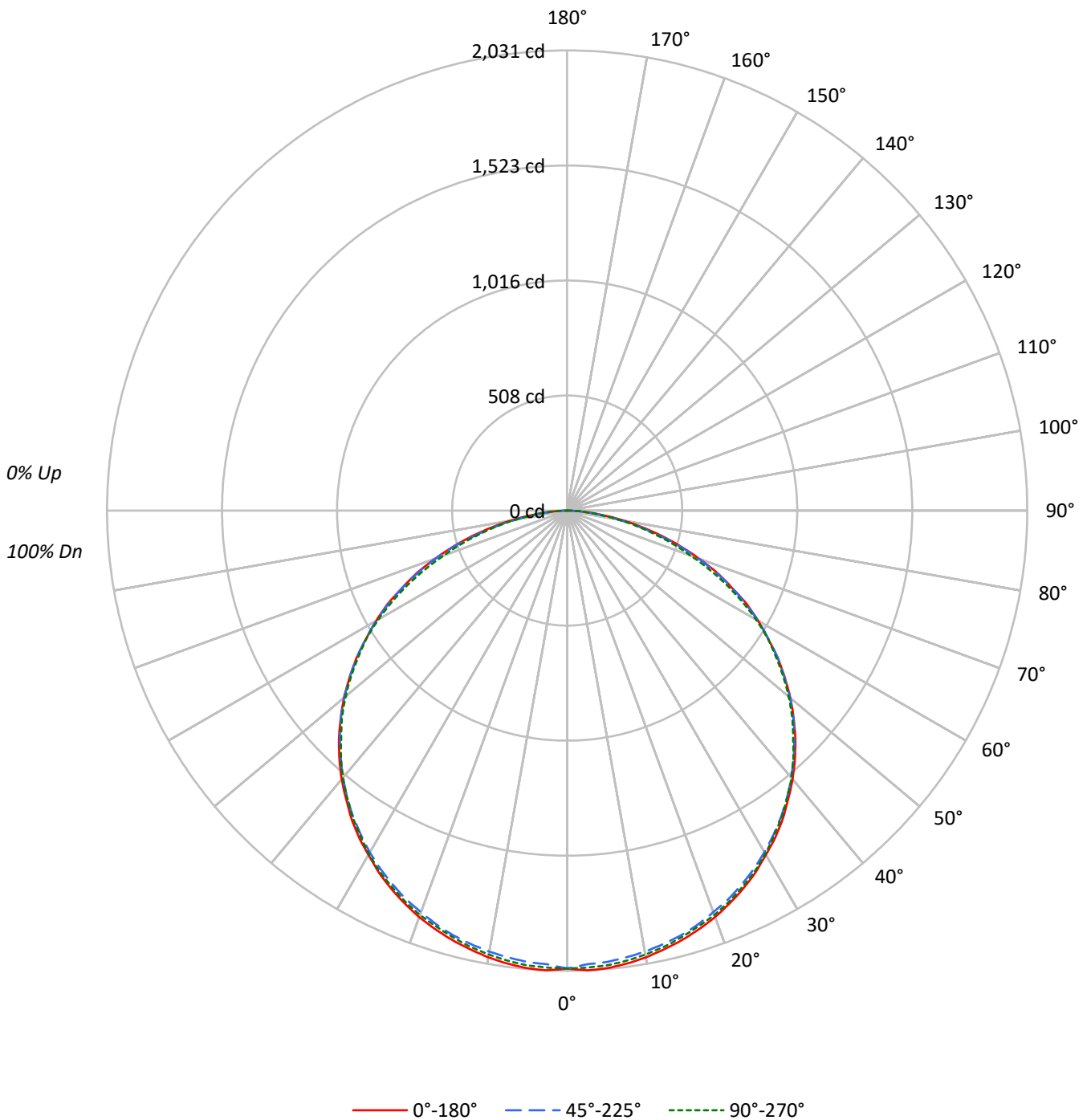
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32564	32564	32564
5°	32671	30390	29965
10°	32518	28627	27672
15°	32370	27045	25649
20°	32257	25511	23877
25°	32096	24105	22214
30°	31875	22738	20645
35°	31725	21379	19109
40°	31474	19996	17617
45°	31169	18615	16068
50°	30719	17145	14593
55°	30100	15543	13014
60°	29264	13788	11362
65°	27978	11848	9415
70°	26166	9580	7282
75°	23399	6900	5218
80°	18735	4099	3240
85°	11552	1770	1310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.5	3.2
10°-20°	551.3	9.1
20°-30°	844.7	13.9
30°-40°	1033.9	17.0
40°-50°	1094.2	18.0
50°-60°	1012.0	16.7
60°-70°	785.8	12.9
70°-80°	442.6	7.3
80°-90°	111.9	1.8
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°	1587.6	26.2
0°-40°	2621.5	43.2
0°-60°	4727.7	77.9
0°-90°	6068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6068.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2021	2021	2021	2021	2021	
5°	2027	2019	2000	2019	2015	193
15°	1962	1956	1941	1958	1950	554
25°	1840	1834	1822	1836	1832	848
35°	1660	1654	1647	1652	1652	1038
45°	1425	1423	1419	1416	1410	1098
55°	1135	1140	1135	1131	1125	1013
65°	800	806	802	791	776	793
75°	434	434	416	405	397	458
85°	92	92	90	90	88	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.9	2020.9	2020.9	2020.9	2020.9
2.5°	2031.4	2023.0	2004.1	2023.0	2018.8
5°	2027.2	2018.8	1999.9	2018.8	2014.6
7.5°	2016.7	2010.4	1989.4	2008.3	2004.1
10°	2002.0	1995.7	1976.8	1995.7	1989.4
12.5°	1983.1	1976.8	1960.0	1976.8	1972.6
15°	1962.1	1955.8	1941.2	1957.9	1949.5
17.5°	1937.0	1932.8	1916.0	1932.8	1924.4
20°	1909.7	1901.3	1886.6	1903.4	1899.2
22.5°	1876.1	1871.9	1857.2	1871.9	1867.7
25°	1840.4	1834.1	1821.5	1836.2	1832.0
27.5°	1800.6	1796.4	1783.8	1794.3	1794.3
30°	1754.4	1752.3	1741.8	1752.3	1750.2
32.5°	1710.3	1706.1	1695.6	1704.0	1699.8
35°	1659.9	1653.7	1647.4	1651.6	1651.6
37.5°	1603.3	1601.2	1594.9	1601.2	1594.9
40°	1548.7	1544.5	1538.2	1540.3	1540.3
42.5°	1487.9	1485.8	1479.5	1479.5	1477.4
45°	1424.9	1422.8	1418.6	1416.5	1410.2
47.5°	1355.7	1353.6	1353.6	1351.5	1347.3
50°	1286.4	1286.4	1284.3	1278.0	1275.9
52.5°	1210.9	1215.1	1208.8	1204.6	1202.5
55°	1135.3	1139.5	1135.3	1131.1	1124.8
57.5°	1051.4	1059.8	1053.5	1051.4	1049.3
60°	973.7	977.9	973.7	967.4	963.2
62.5°	894.0	894.0	887.7	883.5	870.9
65°	799.5	805.8	801.6	791.2	776.5
67.5°	715.6	711.4	707.2	694.6	677.8
70°	619.1	621.2	614.9	596.0	579.2
72.5°	526.7	530.9	518.3	493.2	489.0
75°	434.4	434.4	415.5	405.0	396.6
77.5°	340.0	342.1	316.9	314.8	312.7
80°	249.7	253.9	228.7	235.0	232.9
82.5°	170.0	165.8	155.3	155.3	153.2
85°	92.3	92.3	90.2	90.2	88.1
87.5°	35.7	37.8	42.0	46.2	44.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)