

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: P217982

Luminaire Tested: **4SNLED-LD5-60HL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217982
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6695.0 lumens
Efficiency: N/A
Efficacy: 167.4 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

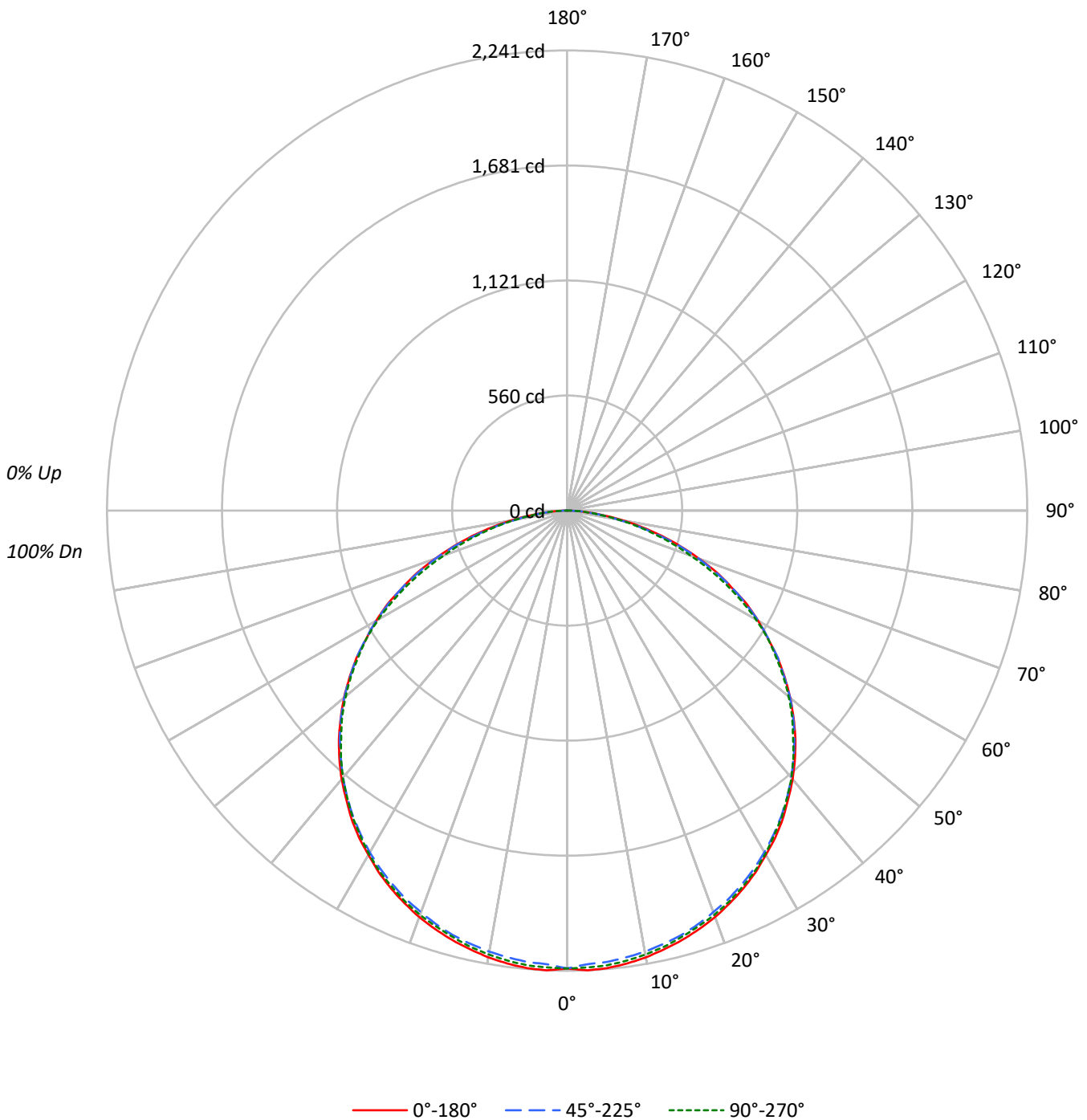
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35929	35929	35929
5°	36047	33531	33062
10°	35878	31585	30532
15°	35715	29839	28300
20°	35590	28147	26343
25°	35413	26597	24509
30°	35169	25088	22778
35°	35004	23588	21083
40°	34728	22063	19438
45°	34389	20539	17728
50°	33893	18916	16102
55°	33210	17149	14358
60°	32287	15212	12537
65°	30873	13073	10388
70°	28867	10570	8033
75°	25818	7612	5757
80°	20671	4524	3575
85°	12754	1955	1446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.3	3.2
10°-20°	608.3	9.1
20°-30°	932.0	13.9
30°-40°	1140.8	17.0
40°-50°	1207.2	18.0
50°-60°	1116.5	16.7
60°-70°	867.0	13.0
70°-80°	488.3	7.3
80°-90°	123.5	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°	1751.6	26.2
0°-40°	2892.4	43.2
0°-60°	5216.1	77.9
0°-90°	6695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2230	2230	2230	2230	2230	
5°	2237	2227	2207	2227	2223	213
15°	2165	2158	2142	2160	2151	611
25°	2031	2024	2010	2026	2021	936
35°	1832	1824	1818	1822	1822	1145
45°	1572	1570	1565	1563	1556	1212
55°	1253	1257	1253	1248	1241	1117
65°	882	889	884	873	857	875
75°	479	479	458	447	438	505
85°	102	102	100	100	97	127
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2229.7	2229.7	2229.7	2229.7	2229.7
2.5°	2241.3	2232.0	2211.2	2232.0	2227.4
5°	2236.7	2227.4	2206.6	2227.4	2222.8
7.5°	2225.1	2218.1	2195.0	2215.8	2211.2
10°	2208.9	2201.9	2181.1	2201.9	2195.0
12.5°	2188.0	2181.1	2162.6	2181.1	2176.5
15°	2164.9	2157.9	2141.7	2160.3	2151.0
17.5°	2137.1	2132.5	2113.9	2132.5	2123.2
20°	2107.0	2097.7	2081.5	2100.1	2095.4
22.5°	2070.0	2065.3	2049.1	2065.3	2060.7
25°	2030.6	2023.6	2009.8	2026.0	2021.3
27.5°	1986.6	1982.0	1968.1	1979.7	1979.7
30°	1935.7	1933.3	1921.8	1933.3	1931.0
32.5°	1887.0	1882.4	1870.8	1880.1	1875.5
35°	1831.5	1824.5	1817.6	1822.2	1822.2
37.5°	1769.0	1766.6	1759.7	1766.6	1759.7
40°	1708.8	1704.1	1697.2	1699.5	1699.5
42.5°	1641.6	1639.3	1632.3	1632.3	1630.0
45°	1572.1	1569.8	1565.2	1562.9	1555.9
47.5°	1495.7	1493.4	1493.4	1491.1	1486.5
50°	1419.3	1419.3	1417.0	1410.1	1407.8
52.5°	1336.0	1340.6	1333.7	1329.0	1326.7
55°	1252.6	1257.3	1252.6	1248.0	1241.0
57.5°	1160.0	1169.3	1162.3	1160.0	1157.7
60°	1074.3	1079.0	1074.3	1067.4	1062.8
62.5°	986.4	986.4	979.4	974.8	960.9
65°	882.2	889.1	884.5	872.9	856.7
67.5°	789.5	784.9	780.3	766.4	747.9
70°	683.0	685.4	678.4	657.6	639.0
72.5°	581.2	585.8	571.9	544.1	539.5
75°	479.3	479.3	458.4	446.9	437.6
77.5°	375.1	377.4	349.6	347.3	345.0
80°	275.5	280.2	252.4	259.3	257.0
82.5°	187.5	182.9	171.3	171.3	169.0
85°	101.9	101.9	99.6	99.6	97.2
87.5°	39.4	41.7	46.3	50.9	48.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)