

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: P217972

Luminaire Tested: **4SNLED-LD5-56HL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217972
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-LD5-56HL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5682.0 lumens
Efficiency: N/A
Efficacy: 153.6 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

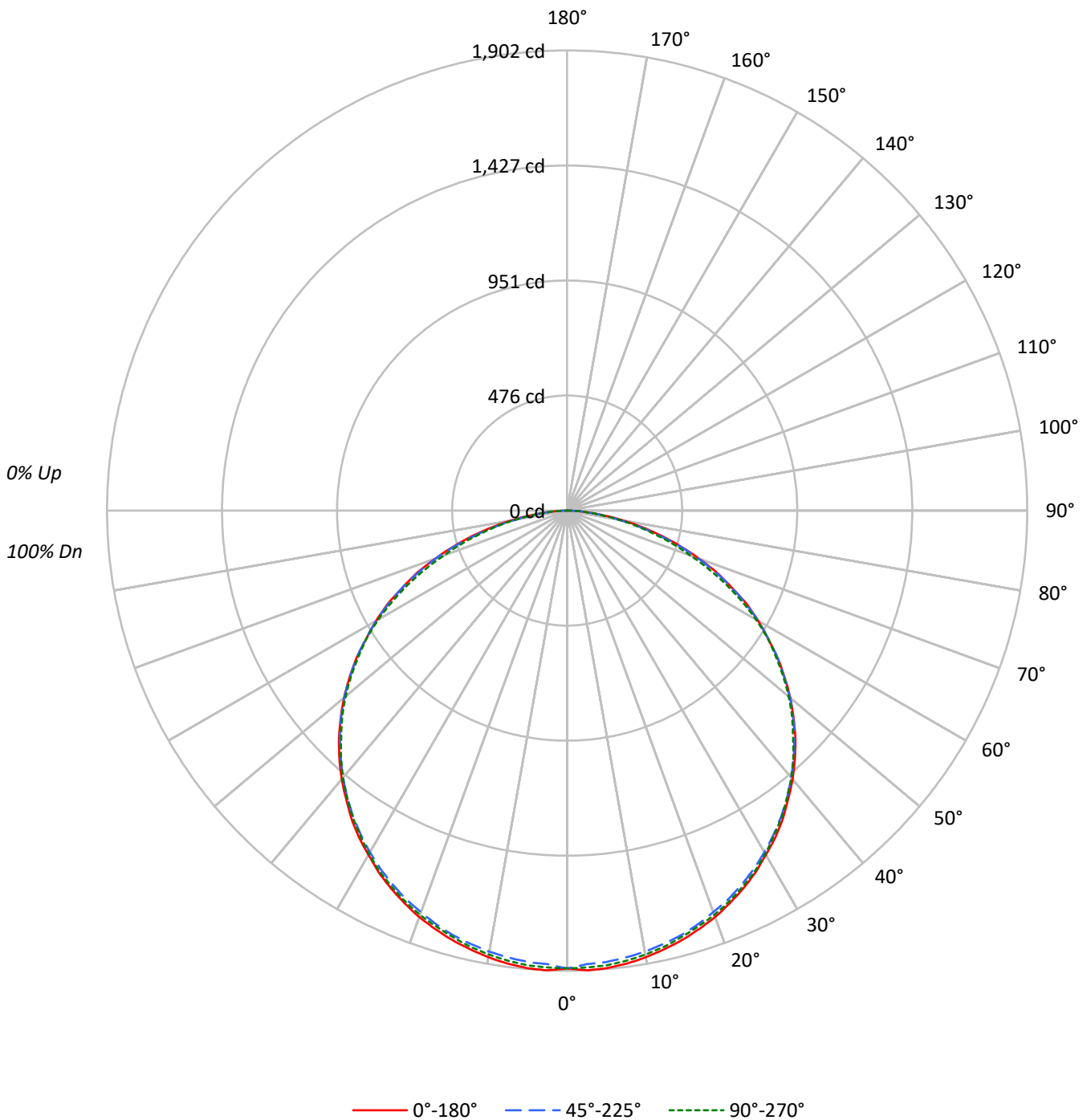
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30492	30492	30492
5°	30592	28457	28058
10°	30450	26806	25912
15°	30311	25324	24018
20°	30205	23889	22358
25°	30054	22573	20801
30°	29847	21292	19332
35°	29708	20019	17893
40°	29472	18725	16496
45°	29188	17431	15046
50°	28766	16054	13666
55°	28185	14554	12187
60°	27403	12911	10640
65°	26201	11094	8816
70°	24501	8971	6819
75°	21912	6461	4886
80°	17542	3839	3034
85°	10826	1659	1227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	3.2
10°-20°	516.3	9.1
20°-30°	791.0	13.9
30°-40°	968.2	17.0
40°-50°	1024.6	18.0
50°-60°	947.6	16.7
60°-70°	735.8	12.9
70°-80°	414.5	7.3
80°-90°	104.8	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°	1486.6	26.2
0°-40°	2454.8	43.2
0°-60°	4426.9	77.9
0°-90°	5682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1898	1890	1873	1890	1886	180
15°	1837	1831	1818	1833	1826	519
25°	1723	1718	1706	1719	1716	794
35°	1554	1548	1543	1546	1546	972
45°	1334	1332	1328	1326	1320	1028
55°	1063	1067	1063	1059	1053	948
65°	749	755	751	741	727	743
75°	407	407	389	379	371	428
85°	86	86	84	84	82	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1892.3	1892.3	1892.3	1892.3	1892.3
2.5°	1902.2	1894.3	1876.6	1894.3	1890.4
5°	1898.2	1890.4	1872.7	1890.4	1886.4
7.5°	1888.4	1882.5	1862.9	1880.6	1876.6
10°	1874.7	1868.8	1851.1	1868.8	1862.9
12.5°	1857.0	1851.1	1835.4	1851.1	1847.1
15°	1837.3	1831.4	1817.7	1833.4	1825.5
17.5°	1813.7	1809.8	1794.1	1809.8	1802.0
20°	1788.2	1780.3	1766.6	1782.3	1778.4
22.5°	1756.8	1752.8	1739.1	1752.8	1748.9
25°	1723.3	1717.5	1705.7	1719.4	1715.5
27.5°	1686.0	1682.1	1670.3	1680.1	1680.1
30°	1642.8	1640.8	1631.0	1640.8	1638.9
32.5°	1601.5	1597.6	1587.8	1595.6	1591.7
35°	1554.4	1548.5	1542.6	1546.5	1546.5
37.5°	1501.3	1499.3	1493.4	1499.3	1493.4
40°	1450.2	1446.3	1440.4	1442.3	1442.3
42.5°	1393.2	1391.3	1385.4	1385.4	1383.4
45°	1334.3	1332.3	1328.4	1326.4	1320.5
47.5°	1269.4	1267.5	1267.5	1265.5	1261.6
50°	1204.6	1204.6	1202.6	1196.7	1194.8
52.5°	1133.8	1137.8	1131.9	1127.9	1126.0
55°	1063.1	1067.0	1063.1	1059.2	1053.3
57.5°	984.5	992.4	986.5	984.5	982.5
60°	911.8	915.7	911.8	905.9	902.0
62.5°	837.1	837.1	831.2	827.3	815.5
65°	748.7	754.6	750.6	740.8	727.1
67.5°	670.1	666.2	662.2	650.4	634.7
70°	579.7	581.7	575.8	558.1	542.4
72.5°	493.2	497.2	485.4	461.8	457.9
75°	406.8	406.8	389.1	379.3	371.4
77.5°	318.3	320.3	296.7	294.8	292.8
80°	233.8	237.8	214.2	220.1	218.1
82.5°	159.2	155.2	145.4	145.4	143.4
85°	86.5	86.5	84.5	84.5	82.5
87.5°	33.4	35.4	39.3	43.2	41.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)