

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: P217974

Luminaire Tested: **4SNLED-LD5-56HL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217974
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6269.0 lumens
Efficiency: N/A
Efficacy: 169.4 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

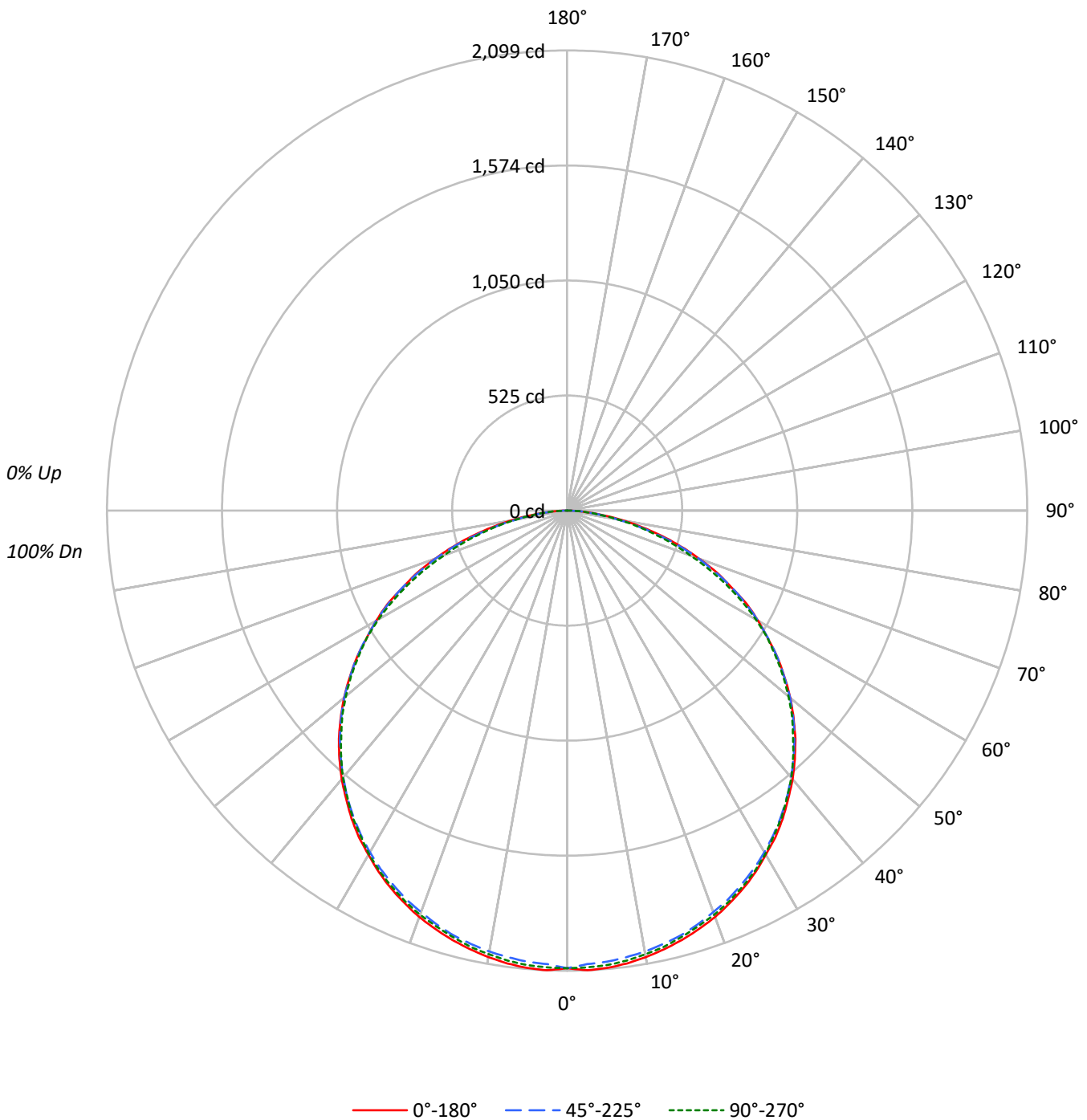
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P217974

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P217974

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L850-CD1-U

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°	33642	33642	33642
5°	33752	31398	30957
10°	33595	29575	28588
15°	33442	27941	26499
20°	33324	26356	24667
25°	33160	24905	22950
30°	32930	23492	21330
35°	32776	22086	19742
40°	32517	20659	18202
45°	32202	19232	16600
50°	31737	17713	15077
55°	31096	16058	13445
60°	30234	14245	11738
65°	28906	12241	9727
70°	27033	9897	7523
75°	24175	7129	5392
80°	19358	4235	3348
85°	11940	1829	1355



TEST NUMBER: P217974

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	3.2
10°-20°	569.6	9.1
20°-30°	872.7	13.9
30°-40°	1068.2	17.0
40°-50°	1130.4	18.0
50°-60°	1045.5	16.7
60°-70°	811.8	12.9
70°-80°	457.3	7.3
80°-90°	115.6	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°	1640.2	26.2
0°-40°	2708.4	43.2
0°-60°	4884.2	77.9
0°-90°	6269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2088	2088	2088	2088	2088	
5°	2094	2086	2066	2086	2081	199
15°	2027	2021	2006	2023	2014	572
25°	1901	1895	1882	1897	1893	876
35°	1715	1708	1702	1706	1706	1072
45°	1472	1470	1466	1463	1457	1134
55°	1173	1177	1173	1169	1162	1046
65°	826	832	828	817	802	819
75°	449	449	429	418	410	473
85°	95	95	93	93	91	119
90°	0	0	0	0	0	



TEST NUMBER: P217974

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2087.8	2087.8	2087.8	2087.8	2087.8
2.5°	2098.7	2090.0	2070.5	2090.0	2085.7
5°	2094.3	2085.7	2066.2	2085.7	2081.3
7.5°	2083.5	2077.0	2055.3	2074.8	2070.5
10°	2068.3	2061.8	2042.3	2061.8	2055.3
12.5°	2048.8	2042.3	2025.0	2042.3	2038.0
15°	2027.1	2020.6	2005.5	2022.8	2014.1
17.5°	2001.1	1996.8	1979.4	1996.8	1988.1
20°	1972.9	1964.3	1949.1	1966.4	1962.1
22.5°	1938.2	1933.9	1918.7	1933.9	1929.6
25°	1901.4	1894.9	1881.9	1897.1	1892.7
27.5°	1860.2	1855.9	1842.8	1853.7	1853.7
30°	1812.5	1810.3	1799.5	1810.3	1808.2
32.5°	1767.0	1762.6	1751.8	1760.5	1756.1
35°	1714.9	1708.4	1701.9	1706.3	1706.3
37.5°	1656.4	1654.2	1647.7	1654.2	1647.7
40°	1600.0	1595.7	1589.2	1591.4	1591.4
42.5°	1537.2	1535.0	1528.5	1528.5	1526.3
45°	1472.1	1469.9	1465.6	1463.4	1456.9
47.5°	1400.6	1398.4	1398.4	1396.2	1391.9
50°	1329.0	1329.0	1326.9	1320.3	1318.2
52.5°	1251.0	1255.3	1248.8	1244.5	1242.3
55°	1172.9	1177.3	1172.9	1168.6	1162.1
57.5°	1086.2	1094.9	1088.4	1086.2	1084.0
60°	1006.0	1010.3	1006.0	999.5	995.1
62.5°	923.6	923.6	917.1	912.8	899.7
65°	826.0	832.5	828.2	817.4	802.2
67.5°	739.3	735.0	730.6	717.6	700.3
70°	639.6	641.7	635.2	615.7	598.4
72.5°	544.2	548.5	535.5	509.5	505.2
75°	448.8	448.8	429.3	418.4	409.8
77.5°	351.2	353.4	327.4	325.2	323.0
80°	258.0	262.3	236.3	242.8	240.7
82.5°	175.6	171.3	160.4	160.4	158.3
85°	95.4	95.4	93.2	93.2	91.1
87.5°	36.9	39.0	43.4	47.7	45.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)