

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: P217978

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217978
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-LD5-56SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6266.0 lumens
Efficiency: N/A
Efficacy: 146.4 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

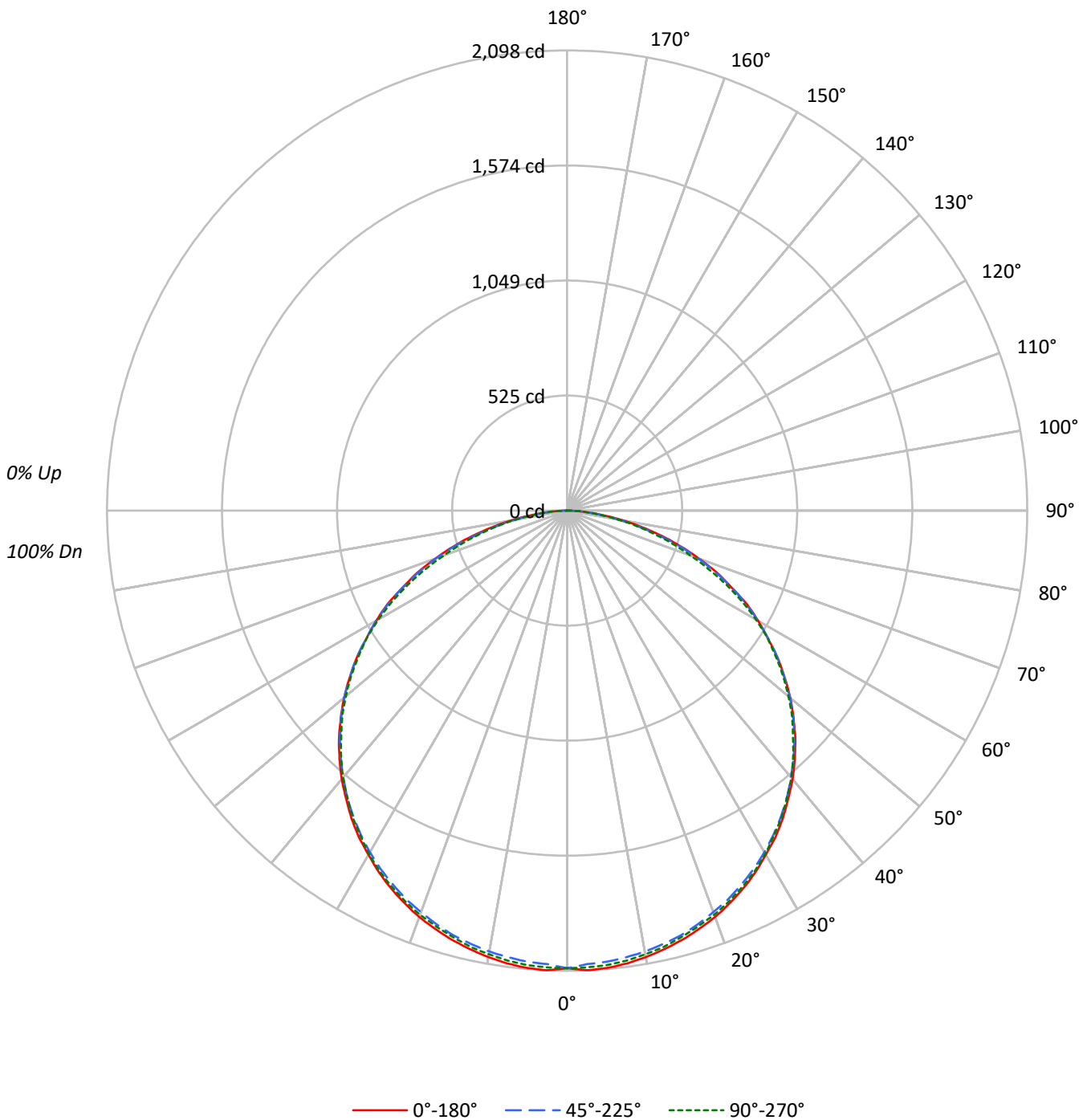
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P217978

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

Luminous Intensity Polar Plot





TEST NUMBER: P217978

CATALOG NUMBER: 4SNLED-LD5-56SL-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	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°	33626	33626	33626
5°	33736	31383	30942
10°	33578	29561	28574
15°	33427	27927	26487
20°	33309	26344	24656
25°	33145	24893	22939
30°	32914	23480	21319
35°	32761	22076	19731
40°	32502	20649	18193
45°	32187	19222	16592
50°	31722	17704	15069
55°	31083	16051	13438
60°	30219	14238	11733
65°	28892	12235	9722
70°	27020	9892	7519
75°	24164	7126	5389
80°	19350	4233	3345
85°	11928	1829	1354



TEST NUMBER: P217978

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.8	3.2
10°-20°	569.3	9.1
20°-30°	872.3	13.9
30°-40°	1067.7	17.0
40°-50°	1129.8	18.0
50°-60°	1045.0	16.7
60°-70°	811.4	12.9
70°-80°	457.1	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°	1639.4	26.2
0°-40°	2707.1	43.2
0°-60°	4881.9	77.9
0°-90°	6266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2087	2087	2087	2087	2087	
5°	2093	2085	2065	2085	2080	199
15°	2026	2020	2004	2022	2013	572
25°	1900	1894	1881	1896	1892	876
35°	1714	1708	1701	1705	1705	1072
45°	1471	1469	1465	1463	1456	1134
55°	1172	1177	1172	1168	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: P217978

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2086.8	2086.8	2086.8	2086.8	2086.8
2.5°	2097.7	2089.0	2069.5	2089.0	2084.7
5°	2093.3	2084.7	2065.2	2084.7	2080.3
7.5°	2082.5	2076.0	2054.3	2073.8	2069.5
10°	2067.3	2060.8	2041.3	2060.8	2054.3
12.5°	2047.8	2041.3	2024.0	2041.3	2037.0
15°	2026.2	2019.7	2004.5	2021.8	2013.2
17.5°	2000.2	1995.8	1978.5	1995.8	1987.2
20°	1972.0	1963.3	1948.2	1965.5	1961.2
22.5°	1937.3	1933.0	1917.8	1933.0	1928.6
25°	1900.5	1894.0	1881.0	1896.1	1891.8
27.5°	1859.3	1855.0	1842.0	1852.8	1852.8
30°	1811.6	1809.5	1798.6	1809.5	1807.3
32.5°	1766.1	1761.8	1751.0	1759.6	1755.3
35°	1714.1	1707.6	1701.1	1705.4	1705.4
37.5°	1655.6	1653.4	1646.9	1653.4	1646.9
40°	1599.3	1594.9	1588.4	1590.6	1590.6
42.5°	1536.4	1534.3	1527.7	1527.7	1525.6
45°	1471.4	1469.2	1464.9	1462.7	1456.2
47.5°	1399.9	1397.7	1397.7	1395.6	1391.2
50°	1328.4	1328.4	1326.2	1319.7	1317.5
52.5°	1250.4	1254.7	1248.2	1243.9	1241.7
55°	1172.4	1176.7	1172.4	1168.0	1161.5
57.5°	1085.7	1094.3	1087.8	1085.7	1083.5
60°	1005.5	1009.8	1005.5	999.0	994.7
62.5°	923.2	923.2	916.6	912.3	899.3
65°	825.6	832.1	827.8	817.0	801.8
67.5°	739.0	734.6	730.3	717.3	699.9
70°	639.3	641.4	634.9	615.4	598.1
72.5°	543.9	548.3	535.3	509.2	504.9
75°	448.6	448.6	429.1	418.2	409.6
77.5°	351.1	353.2	327.2	325.1	322.9
80°	257.9	262.2	236.2	242.7	240.5
82.5°	175.5	171.2	160.4	160.4	158.2
85°	95.3	95.3	93.2	93.2	91.0
87.5°	36.8	39.0	43.3	47.7	45.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)