

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: P217999

Luminaire Tested: **4SNLED-LD5-85HL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217999
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-LD5-85HL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7896.0 lumens
Efficiency: N/A
Efficacy: 127.8 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

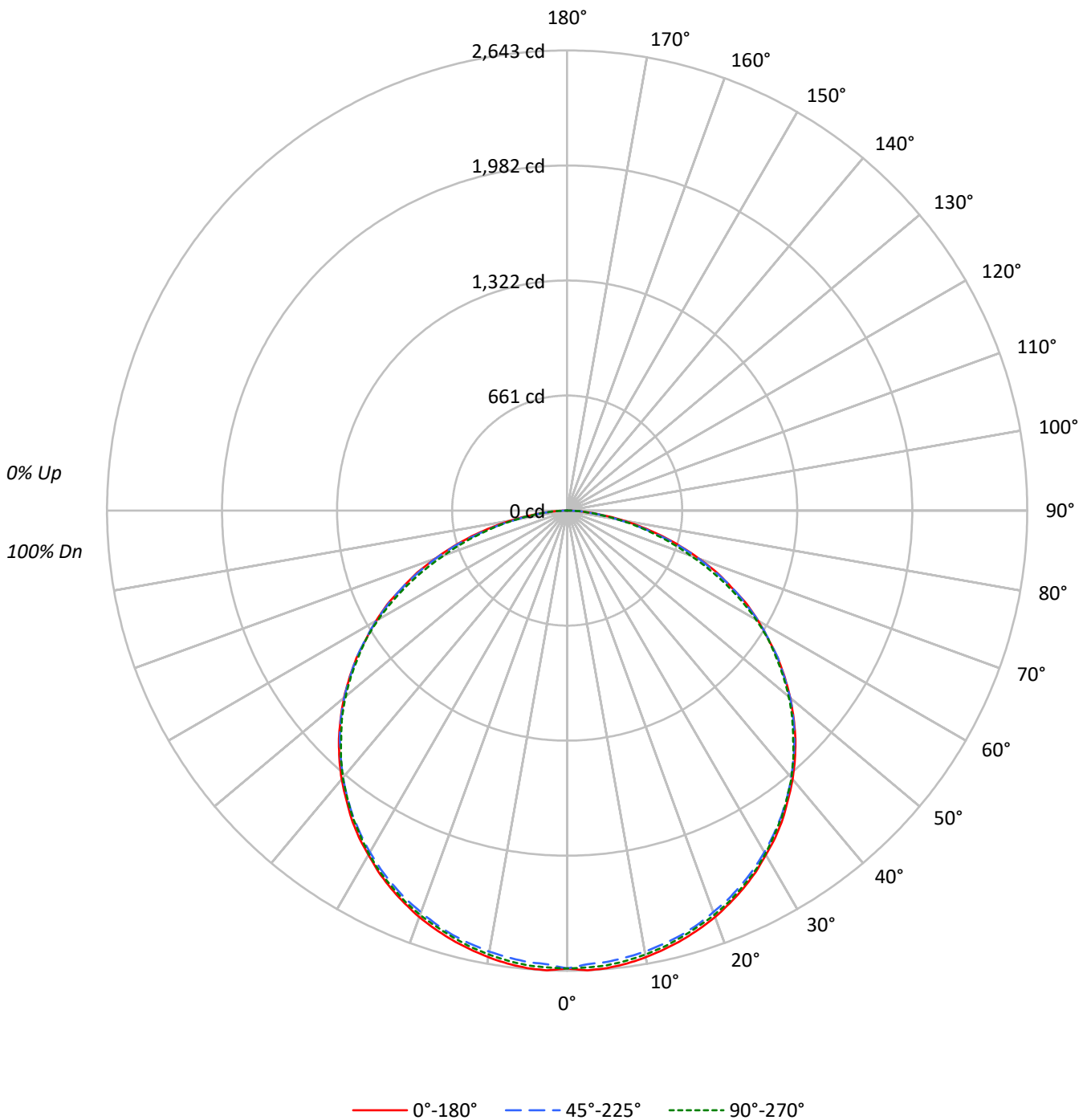
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P217999

CATALOG NUMBER: 4SNLED-LD5-85HL-UNV-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P217999

CATALOG NUMBER: 4SNLED-LD5-85HL-UNV-L830-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°	42374	42374	42374
5°	42513	39546	38992
10°	42314	37252	36008
15°	42121	35191	33377
20°	41974	33196	31069
25°	41767	31368	28906
30°	41477	29588	26864
35°	41283	27818	24865
40°	40957	26020	22926
45°	40560	24223	20909
50°	39973	22309	18990
55°	39167	20225	16935
60°	38081	17943	14785
65°	36409	15417	12251
70°	34049	12466	9475
75°	30450	8979	6790
80°	24385	5335	4216
85°	15044	2304	1706



TEST NUMBER: P217999

CATALOG NUMBER: 4SNLED-LD5-85HL-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	3.2
10°-20°	717.4	9.1
20°-30°	1099.2	13.9
30°-40°	1345.4	17.0
40°-50°	1423.8	18.0
50°-60°	1316.8	16.7
60°-70°	1022.5	12.9
70°-80°	576.0	7.3
80°-90°	145.7	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°	2065.9	26.2
0°-40°	3411.3	43.2
0°-60°	6151.9	77.9
0°-90°	7896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2630	2630	2630	2630	2630	
5°	2638	2627	2602	2627	2622	251
15°	2553	2545	2526	2548	2537	721
25°	2395	2387	2370	2389	2384	1104
35°	2160	2152	2144	2149	2149	1351
45°	1854	1851	1846	1843	1835	1429
55°	1477	1483	1477	1472	1464	1318
65°	1040	1049	1043	1030	1010	1032
75°	565	565	541	527	516	595
85°	120	120	117	117	115	150
90°	0	0	0	0	0	



TEST NUMBER: P217999

CATALOG NUMBER: 4SNLED-LD5-85HL-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2629.7	2629.7	2629.7	2629.7	2629.7
2.5°	2643.4	2632.4	2607.9	2632.4	2627.0
5°	2637.9	2627.0	2602.4	2627.0	2621.5
7.5°	2624.2	2616.0	2588.7	2613.3	2607.9
10°	2605.1	2596.9	2572.4	2596.9	2588.7
12.5°	2580.5	2572.4	2550.5	2572.4	2566.9
15°	2553.2	2545.0	2525.9	2547.8	2536.9
17.5°	2520.5	2515.0	2493.2	2515.0	2504.1
20°	2485.0	2474.0	2454.9	2476.8	2471.3
22.5°	2441.3	2435.8	2416.7	2435.8	2430.4
25°	2394.9	2386.7	2370.3	2389.4	2383.9
27.5°	2343.0	2337.5	2321.1	2334.8	2334.8
30°	2282.9	2280.2	2266.5	2280.2	2277.4
32.5°	2225.5	2220.1	2206.4	2217.4	2211.9
35°	2160.0	2151.8	2143.6	2149.1	2149.1
37.5°	2086.3	2083.6	2075.4	2083.6	2075.4
40°	2015.3	2009.8	2001.6	2004.4	2004.4
42.5°	1936.1	1933.4	1925.2	1925.2	1922.4
45°	1854.2	1851.4	1846.0	1843.2	1835.1
47.5°	1764.1	1761.3	1761.3	1758.6	1753.1
50°	1673.9	1673.9	1671.2	1663.0	1660.3
52.5°	1575.6	1581.1	1572.9	1567.4	1564.7
55°	1477.3	1482.8	1477.3	1471.9	1463.7
57.5°	1368.1	1379.0	1370.8	1368.1	1365.4
60°	1267.1	1272.5	1267.1	1258.9	1253.4
62.5°	1163.3	1163.3	1155.1	1149.6	1133.3
65°	1040.4	1048.6	1043.1	1029.5	1010.4
67.5°	931.2	925.7	920.3	903.9	882.0
70°	805.6	808.3	800.1	775.5	753.7
72.5°	685.4	690.9	674.5	641.7	636.3
75°	565.3	565.3	540.7	527.0	516.1
77.5°	442.4	445.1	412.3	409.6	406.9
80°	325.0	330.4	297.7	305.8	303.1
82.5°	221.2	215.7	202.1	202.1	199.3
85°	120.2	120.2	117.4	117.4	114.7
87.5°	46.4	49.2	54.6	60.1	57.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)