

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: P217996

Luminaire Tested: **4SNLED-LD5-68SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217996
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-LD5-68SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6755.0 lumens
Efficiency: N/A
Efficacy: 123.0 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

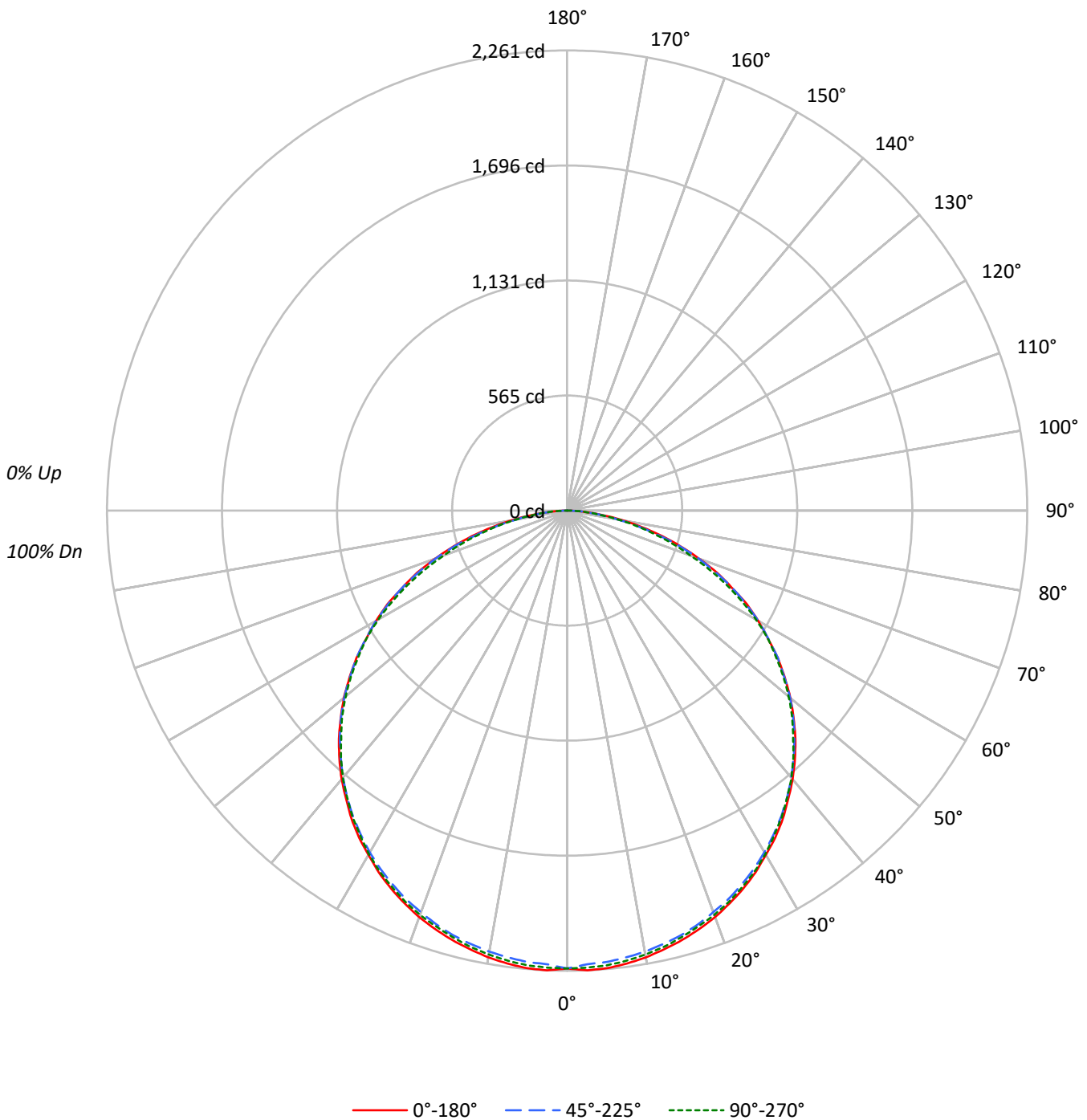
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P217996

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P217996

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L835-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°	36251	36251	36251
5°	36370	33831	33358
10°	36200	31868	30806
15°	36036	30106	28554
20°	35909	28400	26580
25°	35731	26835	24728
30°	35483	25313	22982
35°	35318	23799	21271
40°	35039	22261	19612
45°	34698	20722	17888
50°	34199	19085	16246
55°	33506	17302	14488
60°	32579	15350	12649
65°	31149	13190	10481
70°	29129	10665	8106
75°	26049	7682	5809
80°	20858	4563	3607
85°	12866	1973	1459



TEST NUMBER: P217996

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.2	3.2
10°-20°	613.8	9.1
20°-30°	940.4	13.9
30°-40°	1151.0	17.0
40°-50°	1218.0	18.0
50°-60°	1126.5	16.7
60°-70°	874.8	12.9
70°-80°	492.7	7.3
80°-90°	124.6	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°	1767.3	26.2
0°-40°	2918.3	43.2
0°-60°	5262.9	77.9
0°-90°	6755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6755.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2250	2250	2250	2250	2250	
5°	2257	2247	2226	2247	2243	214
15°	2184	2177	2161	2180	2170	617
25°	2049	2042	2028	2044	2039	944
35°	1848	1841	1834	1838	1838	1155
45°	1586	1584	1579	1577	1570	1222
55°	1264	1268	1264	1259	1252	1127
65°	890	897	892	881	864	883
75°	484	484	463	451	442	509
85°	103	103	100	100	98	128
90°	0	0	0	0	0	



TEST NUMBER: P217996

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2249.7	2249.7	2249.7	2249.7	2249.7
2.5°	2261.4	2252.0	2231.0	2252.0	2247.4
5°	2256.7	2247.4	2226.3	2247.4	2242.7
7.5°	2245.0	2238.0	2214.7	2235.7	2231.0
10°	2228.7	2221.7	2200.6	2221.7	2214.7
12.5°	2207.6	2200.6	2181.9	2200.6	2196.0
15°	2184.3	2177.3	2160.9	2179.6	2170.3
17.5°	2156.3	2151.6	2132.9	2151.6	2142.2
20°	2125.9	2116.5	2100.2	2118.9	2114.2
22.5°	2088.5	2083.8	2067.5	2083.8	2079.2
25°	2048.8	2041.8	2027.8	2044.1	2039.4
27.5°	2004.4	1999.7	1985.7	1997.4	1997.4
30°	1953.0	1950.7	1939.0	1950.7	1948.3
32.5°	1903.9	1899.3	1887.6	1896.9	1892.3
35°	1847.9	1840.9	1833.9	1838.5	1838.5
37.5°	1784.8	1782.5	1775.5	1782.5	1775.5
40°	1724.1	1719.4	1712.4	1714.7	1714.7
42.5°	1656.3	1654.0	1647.0	1647.0	1644.6
45°	1586.2	1583.9	1579.2	1576.9	1569.9
47.5°	1509.1	1506.8	1506.8	1504.5	1499.8
50°	1432.1	1432.1	1429.7	1422.7	1420.4
52.5°	1347.9	1352.6	1345.6	1340.9	1338.6
55°	1263.8	1268.5	1263.8	1259.2	1252.2
57.5°	1170.4	1179.7	1172.7	1170.4	1168.1
60°	1084.0	1088.6	1084.0	1077.0	1072.3
62.5°	995.2	995.2	988.2	983.5	969.5
65°	890.1	897.1	892.4	880.7	864.4
67.5°	796.6	791.9	787.3	773.3	754.6
70°	689.2	691.5	684.5	663.5	644.8
72.5°	586.4	591.0	577.0	549.0	544.3
75°	483.6	483.6	462.6	450.9	441.5
77.5°	378.5	380.8	352.8	350.4	348.1
80°	278.0	282.7	254.6	261.6	259.3
82.5°	189.2	184.6	172.9	172.9	170.5
85°	102.8	102.8	100.5	100.5	98.1
87.5°	39.7	42.1	46.7	51.4	49.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)