

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: P217995

Luminaire Tested: **4SNLED-LD5-68SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217995  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6359.0 lumens  
Efficiency: N/A  
Efficacy: 115.8 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

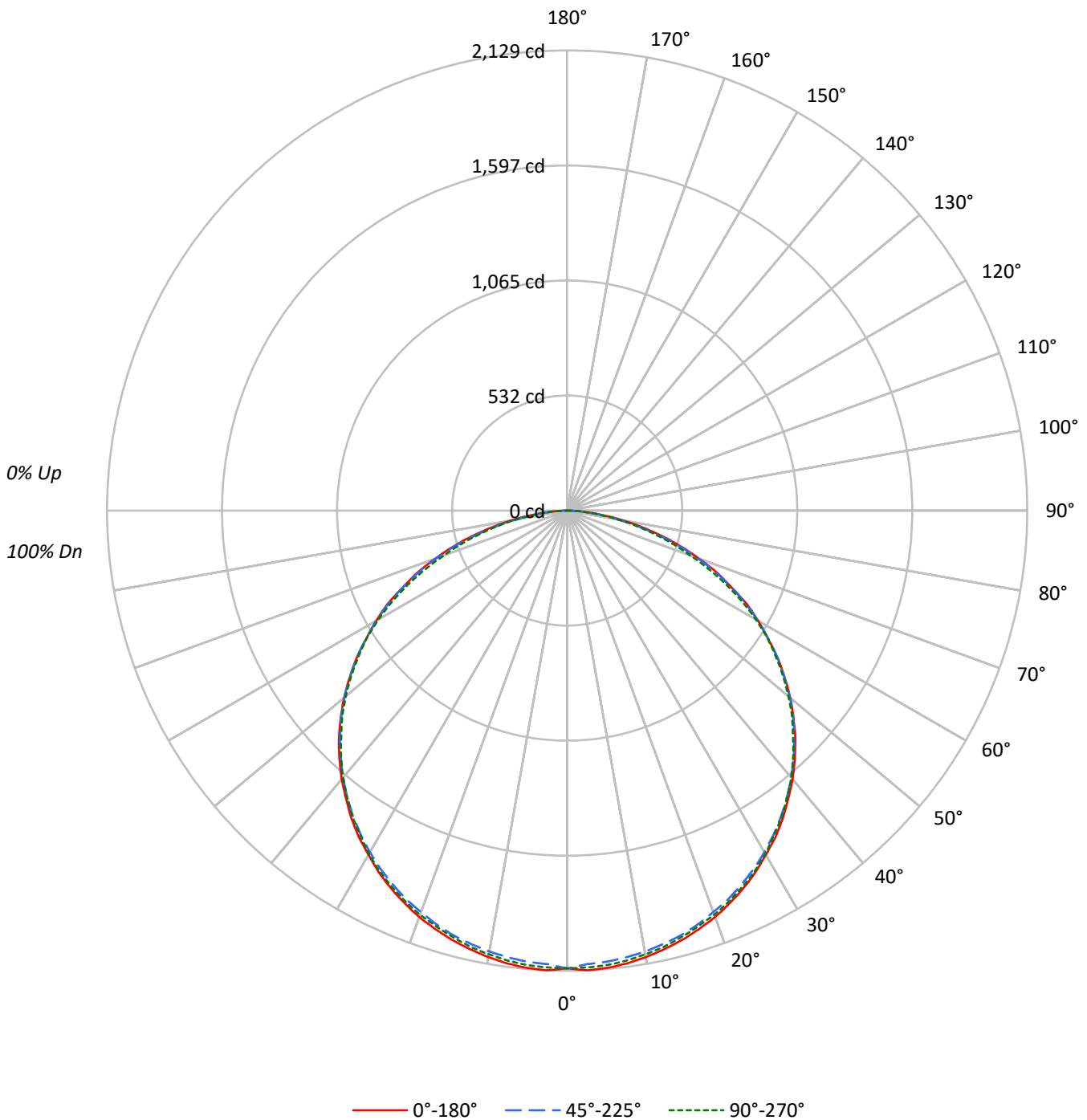
Input Watts (W): 54.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	34125	34125	34125
5°	34238	31848	31402
10°	34077	29999	28999
15°	33922	28341	26879
20°	33804	26735	25022
25°	33636	25262	23279
30°	33403	23828	21635
35°	33248	22404	20025
40°	32984	20956	18463
45°	32664	19507	16839
50°	32193	17967	15293
55°	31545	16289	13639
60°	30667	14449	11907
65°	29322	12417	9866
70°	27422	10040	7631
75°	24520	7230	5468
80°	19635	4296	3395
85°	12115	1857	1374



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.7	3.2
10°-20°	577.8	9.1
20°-30°	885.2	13.9
30°-40°	1083.5	17.0
40°-50°	1146.6	18.0
50°-60°	1060.5	16.7
60°-70°	823.5	13.0
70°-80°	463.8	7.3
80°-90°	117.3	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°	1663.7	26.2
0°-40°	2747.3	43.2
0°-60°	4954.4	77.9
0°-90°	6359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6359.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2124	2116	2096	2116	2111	202
15°	2056	2050	2034	2052	2043	581
25°	1929	1922	1909	1924	1920	889
35°	1740	1733	1726	1731	1731	1088
45°	1493	1491	1487	1484	1478	1151
55°	1190	1194	1190	1185	1179	1061
65°	838	844	840	829	814	831
75°	455	455	435	424	416	480
85°	97	97	95	95	92	121
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2117.8	2117.8	2117.8	2117.8	2117.8
2.5°	2128.8	2120.0	2100.2	2120.0	2115.6
5°	2124.4	2115.6	2095.8	2115.6	2111.2
7.5°	2113.4	2106.8	2084.8	2104.6	2100.2
10°	2098.0	2091.4	2071.6	2091.4	2084.8
12.5°	2078.2	2071.6	2054.0	2071.6	2067.2
15°	2056.2	2049.6	2034.2	2051.8	2043.0
17.5°	2029.8	2025.4	2007.9	2025.4	2016.7
20°	2001.3	1992.5	1977.1	1994.7	1990.3
22.5°	1966.1	1961.7	1946.3	1961.7	1957.3
25°	1928.7	1922.1	1908.9	1924.3	1919.9
27.5°	1886.9	1882.5	1869.3	1880.3	1880.3
30°	1838.5	1836.3	1825.3	1836.3	1834.1
32.5°	1792.3	1787.9	1776.9	1785.7	1781.3
35°	1739.6	1733.0	1726.4	1730.8	1730.8
37.5°	1680.2	1678.0	1671.4	1678.0	1671.4
40°	1623.0	1618.6	1612.0	1614.2	1614.2
42.5°	1559.2	1557.0	1550.4	1550.4	1548.2
45°	1493.2	1491.0	1486.6	1484.4	1477.9
47.5°	1420.7	1418.5	1418.5	1416.3	1411.9
50°	1348.1	1348.1	1345.9	1339.3	1337.1
52.5°	1268.9	1273.3	1266.7	1262.3	1260.1
55°	1189.8	1194.2	1189.8	1185.4	1178.8
57.5°	1101.8	1110.6	1104.0	1101.8	1099.6
60°	1020.4	1024.8	1020.4	1013.8	1009.4
62.5°	936.9	936.9	930.3	925.9	912.7
65°	837.9	844.5	840.1	829.1	813.7
67.5°	749.9	745.5	741.1	727.9	710.3
70°	648.8	651.0	644.4	624.6	607.0
72.5°	552.0	556.4	543.2	516.8	512.4
75°	455.2	455.2	435.4	424.4	415.6
77.5°	356.3	358.5	332.1	329.9	327.7
80°	261.7	266.1	239.7	246.3	244.1
82.5°	178.1	173.7	162.7	162.7	160.5
85°	96.8	96.8	94.6	94.6	92.4
87.5°	37.4	39.6	44.0	48.4	46.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)