

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: P217990

Luminaire Tested: **4SNLED-LD5-64HL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217990  
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-LD5-64HL-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7117.0 lumens  
Efficiency: N/A  
Efficacy: 165.5 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

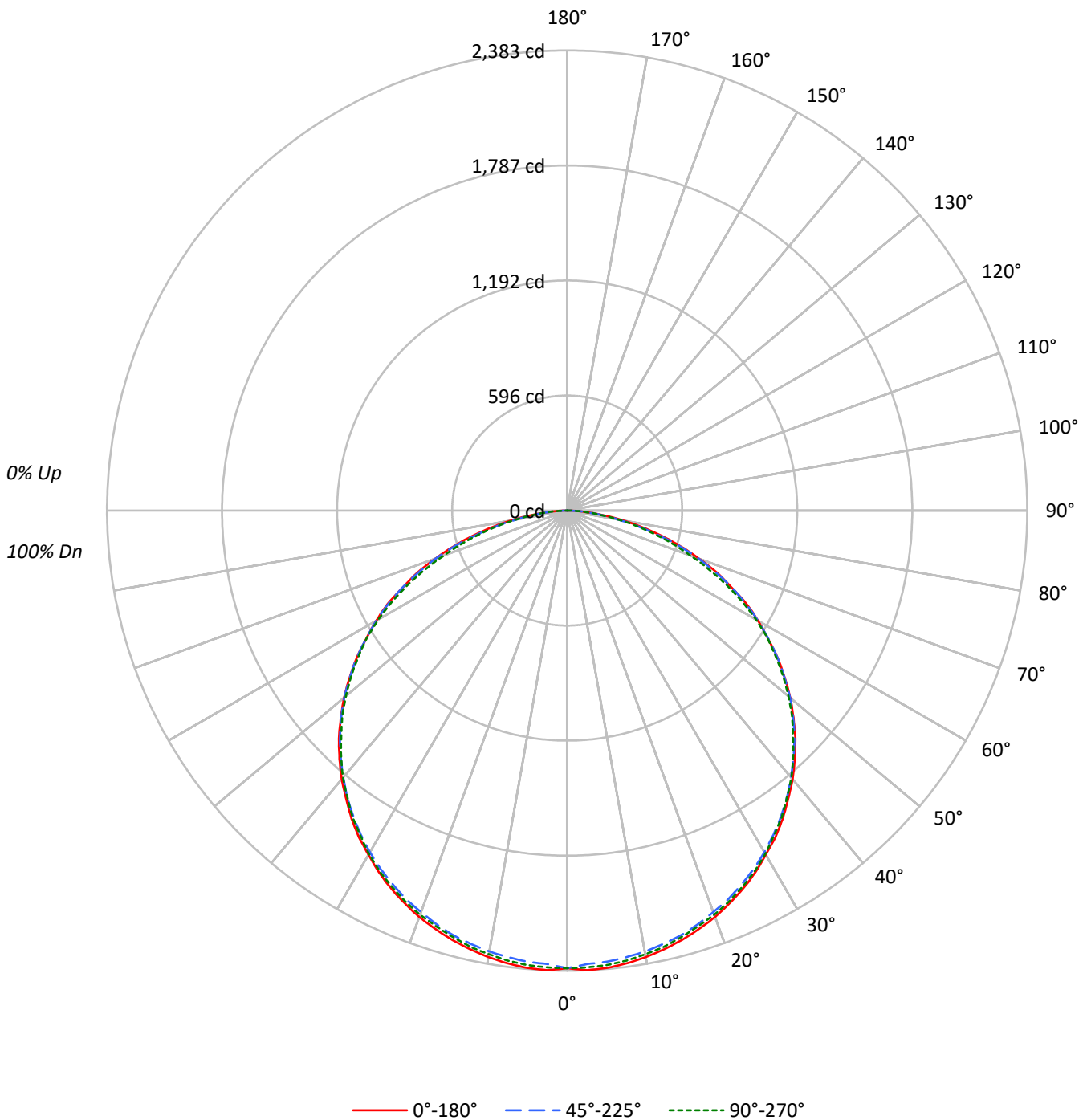
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	38194	38194	38194
5°	38318	35643	35146
10°	38139	33576	32455
15°	37966	31719	30084
20°	37833	29921	28004
25°	37646	28273	26054
30°	37385	26669	24214
35°	37210	25074	22412
40°	36917	23454	20663
45°	36557	21834	18846
50°	36030	20108	17116
55°	35304	18230	15264
60°	34325	16173	13326
65°	32818	13896	11043
70°	30689	11237	8540
75°	27444	8092	6121
80°	21976	4809	3800
85°	13555	2077	1538



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.6	3.2
10°-20°	646.7	9.1
20°-30°	990.8	13.9
30°-40°	1212.7	17.0
40°-50°	1283.3	18.0
50°-60°	1186.9	16.7
60°-70°	921.6	12.9
70°-80°	519.1	7.3
80°-90°	131.3	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°	1862.0	26.2
0°-40°	3074.7	43.2
0°-60°	5544.9	77.9
0°-90°	7117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7117.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2370	2370	2370	2370	2370	
5°	2378	2368	2346	2368	2363	226
15°	2301	2294	2277	2296	2287	650
25°	2159	2151	2136	2154	2149	995
35°	1947	1940	1932	1937	1937	1217
45°	1671	1669	1664	1661	1654	1288
55°	1332	1336	1332	1327	1319	1188
65°	938	945	940	928	911	930
75°	510	510	487	475	465	537
85°	108	108	106	106	103	135
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2370.3	2370.3	2370.3	2370.3	2370.3
2.5°	2382.6	2372.7	2350.6	2372.7	2367.8
5°	2377.6	2367.8	2345.6	2367.8	2362.9
7.5°	2365.3	2358.0	2333.3	2355.5	2350.6
10°	2348.1	2340.7	2318.6	2340.7	2333.3
12.5°	2326.0	2318.6	2298.9	2318.6	2313.6
15°	2301.3	2294.0	2276.7	2296.4	2286.6
17.5°	2271.8	2266.9	2247.2	2266.9	2257.0
20°	2239.8	2230.0	2212.7	2232.4	2227.5
22.5°	2200.4	2195.5	2178.3	2195.5	2190.6
25°	2158.6	2151.2	2136.4	2153.7	2148.7
27.5°	2111.8	2106.9	2092.1	2104.4	2104.4
30°	2057.7	2055.2	2042.9	2055.2	2052.7
32.5°	2006.0	2001.1	1988.8	1998.6	1993.7
35°	1946.9	1939.5	1932.1	1937.1	1937.1
37.5°	1880.5	1878.0	1870.6	1878.0	1870.6
40°	1816.5	1811.5	1804.2	1806.6	1806.6
42.5°	1745.1	1742.6	1735.2	1735.2	1732.8
45°	1671.2	1668.8	1663.9	1661.4	1654.0
47.5°	1590.0	1587.6	1587.6	1585.1	1580.2
50°	1508.8	1508.8	1506.3	1498.9	1496.5
52.5°	1420.2	1425.1	1417.7	1412.8	1410.3
55°	1331.6	1336.5	1331.6	1326.7	1319.3
57.5°	1233.1	1243.0	1235.6	1233.1	1230.7
60°	1142.1	1147.0	1142.1	1134.7	1129.7
62.5°	1048.5	1048.5	1041.1	1036.2	1021.5
65°	937.8	945.2	940.2	927.9	910.7
67.5°	839.3	834.4	829.5	814.7	795.0
70°	726.1	728.6	721.2	699.0	679.3
72.5°	617.8	622.7	607.9	578.4	573.5
75°	509.5	509.5	487.3	475.0	465.2
77.5°	398.7	401.2	371.7	369.2	366.7
80°	292.9	297.8	268.3	275.7	273.2
82.5°	199.4	194.4	182.1	182.1	179.7
85°	108.3	108.3	105.8	105.8	103.4
87.5°	41.8	44.3	49.2	54.1	51.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)