

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: P218584

Luminaire Tested: **4SNLED-LD5-50SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-50SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5124.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

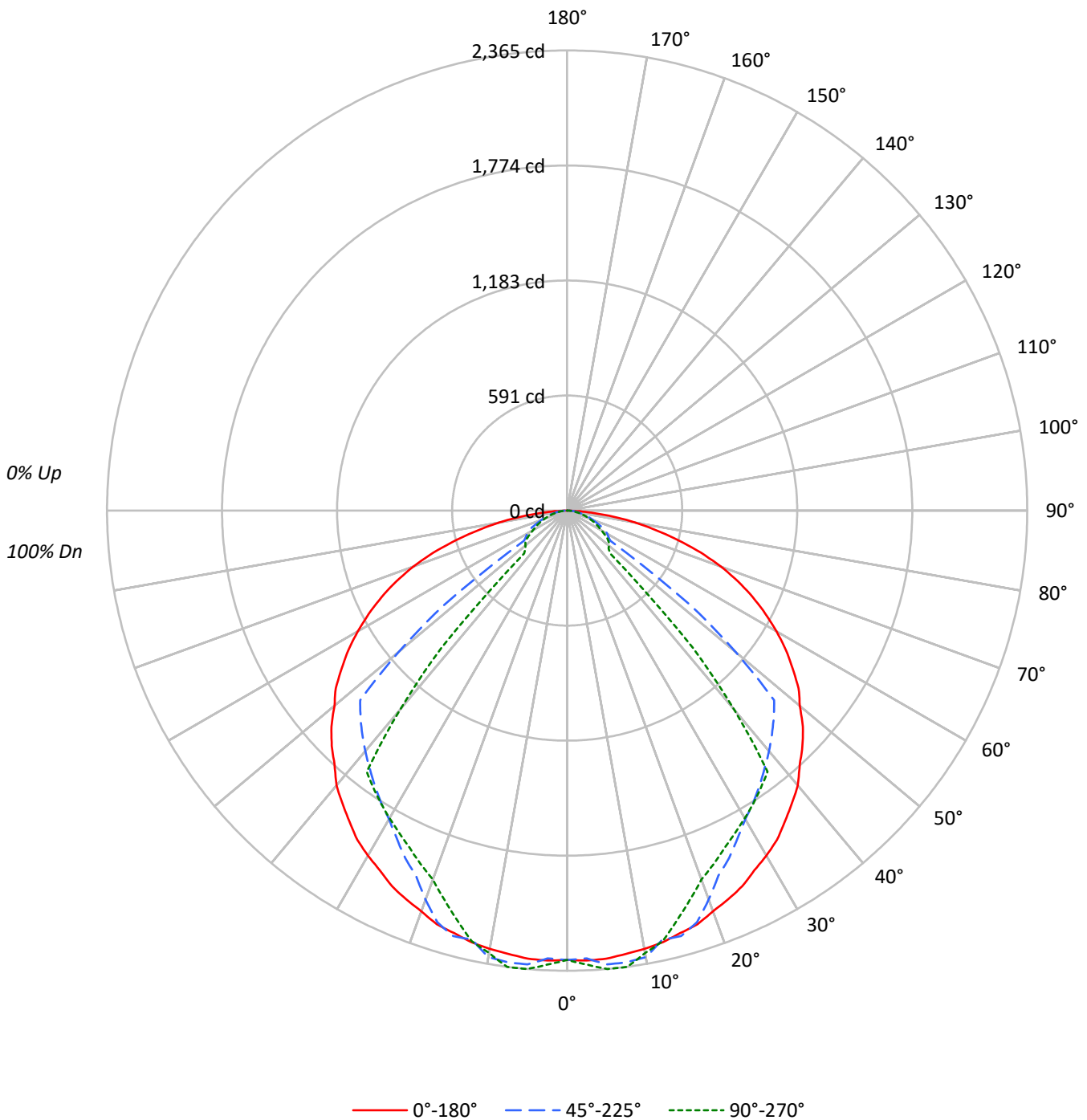
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89					87				
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77					75				
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67					65				
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59					57				
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52					50				
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47					45				
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42					40				
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38					36				
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34					33				
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32					30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37210	37210	37210
5°	37259	35577	35181
10°	37160	33750	32120
15°	37081	31538	28694
20°	37019	28767	25369
25°	37149	26066	23203
30°	37196	23900	21532
35°	37288	22372	20099
40°	37477	20985	15315
45°	37417	19709	3563
50°	37272	15091	3209
55°	37483	3695	2938
60°	37351	3369	2396
65°	36850	2844	1976
70°	35469	2208	1545
75°	31958	1642	1125
80°	26470	1102	707
85°	15720	630	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	4.4
10°-20°	631.9	12.3
20°-30°	930.7	18.2
30°-40°	1120.2	21.9
40°-50°	959.4	18.7
50°-60°	620.8	12.1
60°-70°	412.7	8.1
70°-80°	176.0	3.4
80°-90°	49.2	1.0
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°	1785.5	34.8
0°-40°	2905.8	56.7
0°-60°	4486.1	87.5
0°-90°	5124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2309	2309	2309	2309	2309	
5°	2312	2320	2341	2368	2365	220
15°	2248	2309	2264	2216	2181	636
25°	2130	2144	1970	1927	1914	981
35°	1951	1876	1724	1737	1737	1223
45°	1710	1521	1502	917	313	1319
55°	1414	1200	270	257	254	1264
65°	1053	756	192	166	163	1038
75°	593	139	99	88	86	629
85°	126	37	32	24	21	161
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2309.2	2309.2	2309.2	2309.2	2309.2
2.5°	2314.5	2306.5	2303.8	2333.2	2335.9
5°	2311.9	2319.9	2341.2	2368.0	2365.3
7.5°	2298.5	2325.2	2341.2	2381.3	2365.3
10°	2287.8	2335.9	2330.6	2333.2	2309.2
12.5°	2271.8	2317.2	2258.4	2298.5	2266.4
15°	2247.7	2309.2	2263.7	2215.6	2180.9
17.5°	2229.0	2293.1	2218.3	2103.4	2098.0
20°	2191.6	2226.3	2127.4	2044.6	2017.9
22.5°	2162.2	2202.3	2031.2	1975.1	1967.1
25°	2130.1	2143.5	1969.7	1927.0	1913.6
27.5°	2084.7	2111.4	1897.6	1876.2	1868.2
30°	2047.3	2047.3	1830.8	1830.8	1825.4
32.5°	2007.2	1961.7	1780.0	1782.7	1782.7
35°	1951.0	1876.2	1723.9	1737.2	1737.2
37.5°	1897.6	1772.0	1667.7	1689.1	1691.8
40°	1844.1	1691.8	1614.3	1638.3	1339.0
42.5°	1769.3	1603.6	1558.2	1261.5	954.1
45°	1710.5	1520.7	1502.0	916.7	312.7
47.5°	1643.7	1440.6	1443.2	291.3	288.6
50°	1560.8	1357.7	1130.5	275.3	280.6
52.5°	1499.4	1282.9	796.5	267.3	269.9
55°	1413.8	1200.0	269.9	256.6	253.9
57.5°	1333.7	1122.5	251.2	237.9	227.2
60°	1242.8	1039.7	237.9	211.1	203.1
62.5°	1149.2	956.8	219.2	187.1	181.7
65°	1053.0	756.4	192.4	165.7	163.0
67.5°	951.5	497.1	163.0	147.0	144.3
70°	839.2	195.1	141.7	128.3	122.9
72.5°	721.6	168.4	120.3	109.6	104.2
75°	593.3	139.0	98.9	88.2	85.5
77.5°	473.1	104.2	80.2	69.5	66.8
80°	352.8	77.5	61.5	53.5	50.8
82.5°	240.5	56.1	45.4	37.4	34.7
85°	125.6	37.4	32.1	24.1	21.4
87.5°	48.1	24.1	18.7	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)