

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: P#

Luminaire Tested: **4SNLED-LD5-100HL-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-100HL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

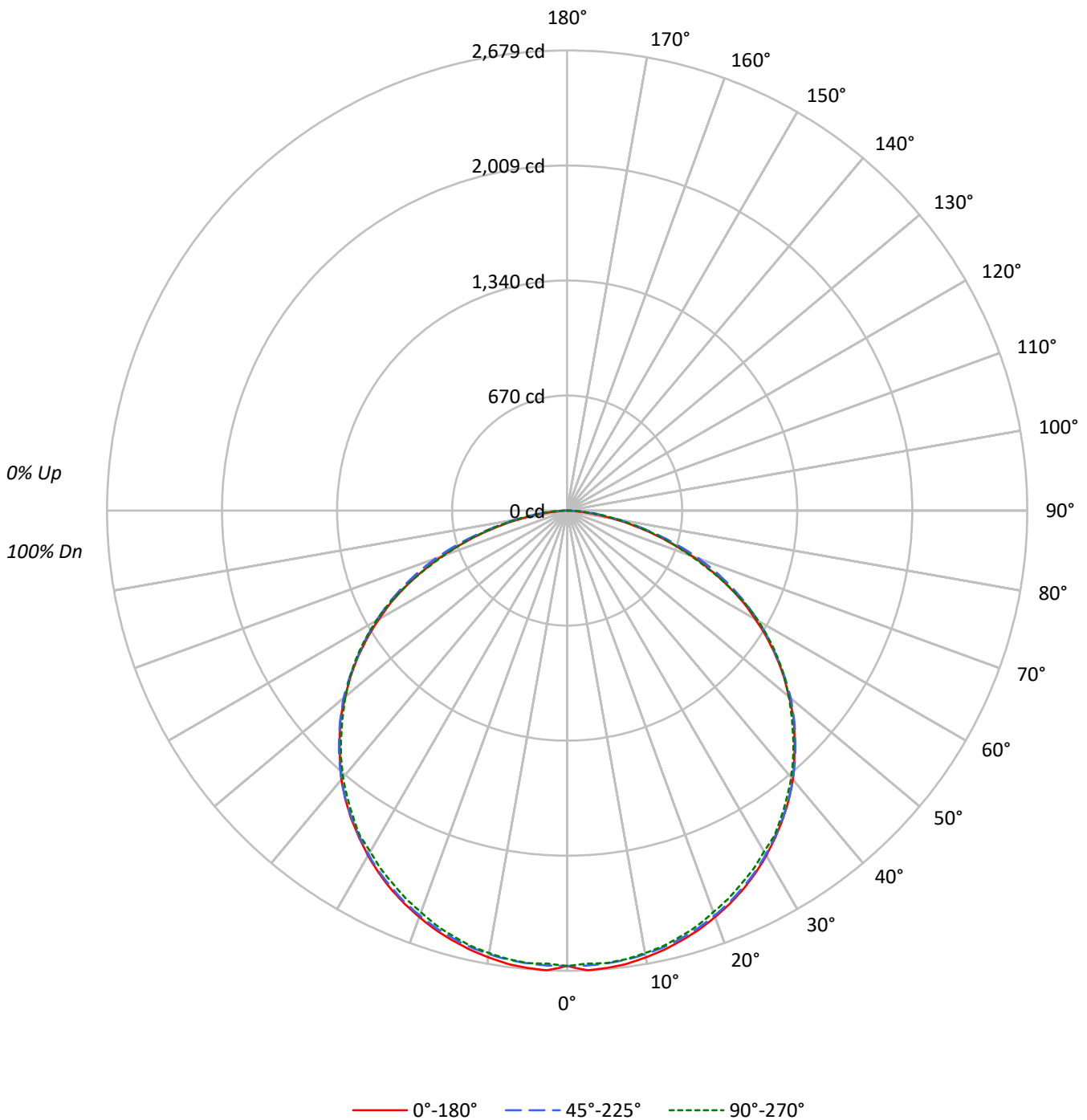
Lumens per Lamp: N/A
Luminaire Lumens: 7953.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 79
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



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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	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	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	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21424	21424	21424
5°	21618	20937	20770
10°	21549	20477	20129
15°	21479	20017	19499
20°	21417	19526	18827
25°	21357	19033	18199
30°	21255	18505	17581
35°	21147	17956	16988
40°	21020	17368	16278
45°	20755	16671	15463
50°	20439	15913	14635
55°	20047	14898	13742
60°	19401	13866	12575
65°	18454	12525	10937
70°	16820	10762	8868
75°	14286	8213	6816
80°	10673	5408	4469
85°	5513	2635	1994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.6	3.2
10°-20°	725.6	9.1
20°-30°	1110.8	14.0
30°-40°	1360.9	17.1
40°-50°	1439.5	18.1
50°-60°	1328.7	16.7
60°-70°	1025.6	12.9
70°-80°	569.2	7.2
80°-90°	141.0	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°	2088.1	26.3
0°-40°	3449.0	43.4
0°-60°	6217.2	78.2
0°-90°	7953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2651	2651	2651	2651	2651	
5°	2672	2638	2646	2639	2644	254
15°	2589	2558	2577	2568	2565	731
25°	2430	2401	2421	2400	2398	1120
35°	2190	2167	2187	2163	2175	1371
45°	1873	1856	1878	1858	1861	1445
55°	1486	1474	1492	1490	1498	1327
65°	1030	1019	1059	1052	1032	1015
75°	511	541	545	544	524	542
85°	81	119	122	123	114	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2651.2	2651.2	2651.2	2651.2	2651.2
2.5°	2678.9	2644.5	2651.2	2647.2	2639.2
5°	2672.3	2637.9	2645.9	2639.2	2644.5
7.5°	2661.7	2624.7	2637.9	2628.7	2633.9
10°	2640.6	2608.8	2622.0	2611.4	2615.4
12.5°	2618.1	2585.0	2603.5	2590.3	2595.6
15°	2588.9	2558.5	2577.0	2567.8	2565.1
17.5°	2557.2	2528.1	2546.6	2536.0	2532.0
20°	2518.8	2491.0	2508.2	2492.3	2488.4
22.5°	2476.4	2448.6	2468.5	2446.0	2447.3
25°	2430.1	2401.0	2420.8	2399.7	2398.3
27.5°	2377.2	2349.4	2370.6	2348.1	2350.7
30°	2318.9	2291.1	2312.3	2289.8	2292.5
32.5°	2255.4	2232.9	2251.4	2230.3	2244.8
35°	2190.5	2166.7	2186.6	2162.7	2174.7
37.5°	2120.4	2097.9	2119.1	2092.6	2103.2
40°	2044.9	2025.1	2043.6	2019.8	2029.1
42.5°	1957.6	1945.7	1964.2	1940.4	1948.3
45°	1872.9	1855.7	1878.2	1858.3	1861.0
47.5°	1788.2	1769.6	1790.8	1773.6	1772.3
50°	1686.3	1679.6	1699.5	1686.3	1684.9
52.5°	1589.6	1576.4	1597.6	1591.0	1594.9
55°	1486.4	1474.5	1491.7	1490.4	1498.3
57.5°	1379.2	1367.3	1389.8	1387.1	1393.7
60°	1265.4	1256.1	1285.2	1278.6	1283.9
62.5°	1154.2	1137.0	1174.0	1168.7	1166.1
65°	1029.8	1019.2	1058.9	1052.3	1032.4
67.5°	901.4	897.4	938.4	925.2	892.1
70°	773.0	775.6	815.3	790.2	762.4
72.5°	638.0	657.8	681.6	663.1	643.3
75°	510.9	541.3	545.3	544.0	524.1
77.5°	386.5	424.9	415.6	424.9	409.0
80°	270.0	312.4	305.7	313.7	300.5
82.5°	166.8	205.2	206.5	211.8	199.9
85°	80.7	119.1	121.8	123.1	113.8
87.5°	17.2	55.6	56.9	52.9	46.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)