

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-L935-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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

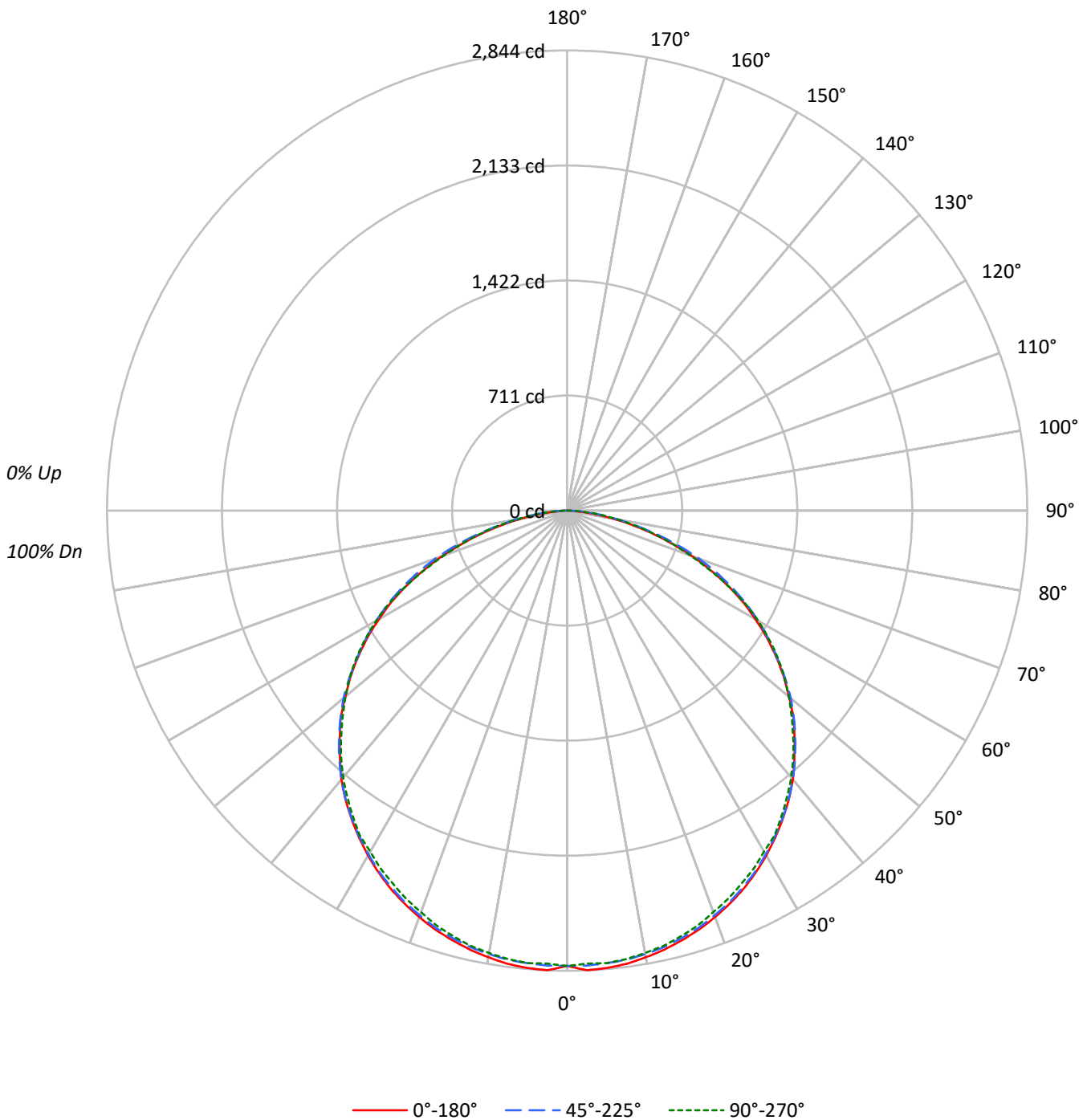
Lumens per Lamp: N/A
Luminaire Lumens: 8442.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	22742	22742	22742
5°	22947	22223	22047
10°	22874	21737	21366
15°	22800	21248	20697
20°	22734	20727	19984
25°	22670	20204	19318
30°	22562	19643	18662
35°	22447	19060	18033
40°	22314	18436	17278
45°	22031	17696	16414
50°	21694	16892	15535
55°	21280	15814	14587
60°	20594	14718	13347
65°	19589	13295	11609
70°	17853	11424	9413
75°	15164	8717	7236
80°	11330	5740	4743
85°	5855	2797	2117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.1	3.2
10°-20°	770.3	9.1
20°-30°	1179.1	14.0
30°-40°	1444.6	17.1
40°-50°	1528.0	18.1
50°-60°	1410.4	16.7
60°-70°	1088.6	12.9
70°-80°	604.2	7.2
80°-90°	149.7	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°	2216.5	26.3
0°-40°	3661.1	43.4
0°-60°	6599.5	78.2
0°-90°	8442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8442.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2814	2814	2814	2814	2814	
5°	2837	2800	2808	2802	2807	270
15°	2748	2716	2736	2726	2723	776
25°	2580	2549	2570	2547	2546	1189
35°	2325	2300	2321	2296	2308	1455
45°	1988	1970	1994	1973	1975	1534
55°	1578	1565	1583	1582	1590	1408
65°	1093	1082	1124	1117	1096	1078
75°	542	575	579	577	556	575
85°	86	126	129	131	121	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2814.2	2814.2	2814.2	2814.2	2814.2
2.5°	2843.7	2807.1	2814.2	2809.9	2801.5
5°	2836.6	2800.1	2808.5	2801.5	2807.1
7.5°	2825.4	2786.1	2800.1	2790.3	2795.9
10°	2802.9	2769.2	2783.3	2772.0	2776.2
12.5°	2779.0	2743.9	2763.6	2749.5	2755.2
15°	2748.1	2715.8	2735.5	2725.6	2722.8
17.5°	2714.4	2683.5	2703.2	2691.9	2687.7
20°	2673.7	2644.2	2662.4	2645.6	2641.3
22.5°	2628.7	2599.2	2620.3	2596.4	2597.8
25°	2579.5	2548.6	2569.7	2547.2	2545.8
27.5°	2523.3	2493.8	2516.3	2492.4	2495.2
30°	2461.5	2432.0	2454.5	2430.6	2433.4
32.5°	2394.1	2370.2	2389.9	2367.4	2382.8
35°	2325.2	2299.9	2321.0	2295.7	2308.4
37.5°	2250.8	2226.9	2249.4	2221.3	2232.5
40°	2170.7	2149.6	2169.3	2144.0	2153.8
42.5°	2078.0	2065.3	2085.0	2059.7	2068.1
45°	1988.0	1969.8	1993.7	1972.6	1975.4
47.5°	1898.1	1878.4	1900.9	1882.7	1881.3
50°	1789.9	1782.9	1804.0	1789.9	1788.5
52.5°	1687.4	1673.3	1695.8	1688.8	1693.0
55°	1577.8	1565.1	1583.4	1582.0	1590.4
57.5°	1464.0	1451.3	1475.2	1472.4	1479.4
60°	1343.2	1333.3	1364.2	1357.2	1362.8
62.5°	1225.1	1206.9	1246.2	1240.6	1237.8
65°	1093.1	1081.8	1124.0	1117.0	1095.9
67.5°	956.8	952.6	996.1	982.1	947.0
70°	820.5	823.3	865.5	838.8	809.3
72.5°	677.2	698.3	723.6	703.9	682.8
75°	542.3	574.6	578.8	577.4	556.4
77.5°	410.3	451.0	441.2	451.0	434.1
80°	286.6	331.6	324.5	333.0	318.9
82.5°	177.0	217.8	219.2	224.8	212.2
85°	85.7	126.4	129.3	130.7	120.8
87.5°	18.3	59.0	60.4	56.2	49.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)