

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: **8SNLED-LD5-96SL-UNV-L940-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: 8SNLED-LD5-96SL-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

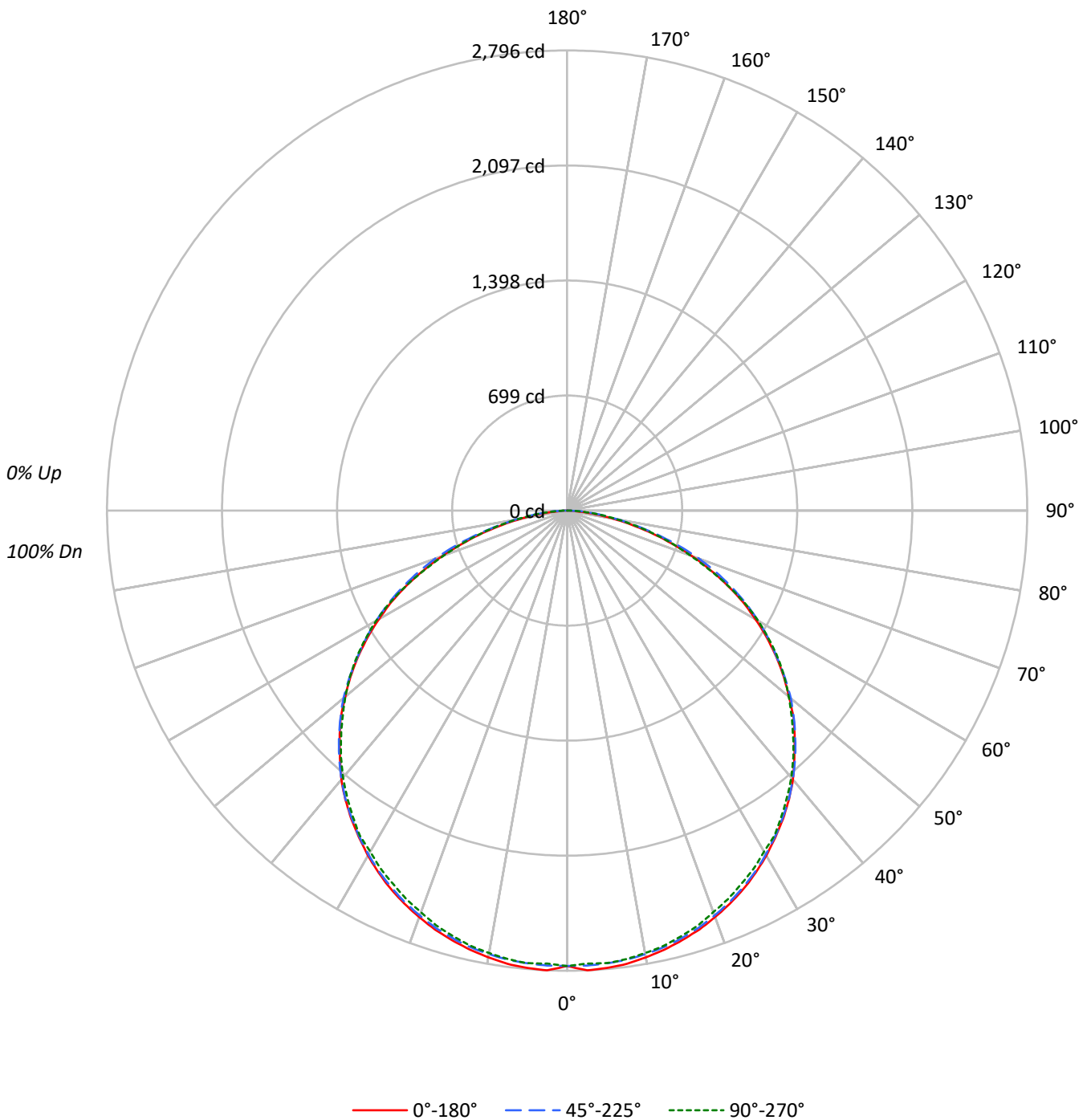
Lumens per Lamp: N/A
Luminaire Lumens: 8301.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 69
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11181	11181	11181
5°	11298	10936	10840
10°	11277	10707	10505
15°	11256	10475	10176
20°	11240	10228	9825
25°	11226	9979	9498
30°	11192	9710	9175
35°	11156	9431	8866
40°	11112	9132	8495
45°	10998	8776	8070
50°	10861	8387	7638
55°	10690	7863	7172
60°	10391	7330	6563
65°	9943	6633	5708
70°	9139	5713	4628
75°	7867	4373	3557
80°	6023	2891	2332
85°	3316	1416	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	3.2
10°-20°	757.4	9.1
20°-30°	1159.4	14.0
30°-40°	1420.5	17.1
40°-50°	1502.5	18.1
50°-60°	1386.9	16.7
60°-70°	1070.4	12.9
70°-80°	594.1	7.2
80°-90°	147.2	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°	2179.4	26.3
0°-40°	3599.9	43.4
0°-60°	6489.3	78.2
0°-90°	8301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8301.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2767	2767	2767	2767	2767	
5°	2789	2753	2762	2755	2760	265
15°	2702	2670	2690	2680	2677	763
25°	2536	2506	2527	2505	2503	1169
35°	2286	2262	2282	2257	2270	1431
45°	1955	1937	1960	1940	1942	1509
55°	1551	1539	1557	1556	1564	1385
65°	1075	1064	1105	1098	1078	1060
75°	533	565	569	568	547	566
85°	84	124	127	128	119	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2767.2	2767.2	2767.2	2767.2	2767.2
2.5°	2796.2	2760.3	2767.2	2763.0	2754.7
5°	2789.3	2753.3	2761.6	2754.7	2760.3
7.5°	2778.2	2739.5	2753.3	2743.7	2749.2
10°	2756.1	2723.0	2736.8	2725.7	2729.9
12.5°	2732.6	2698.1	2717.4	2703.6	2709.1
15°	2702.2	2670.5	2689.8	2680.1	2677.4
17.5°	2669.1	2638.7	2658.0	2647.0	2642.8
20°	2629.0	2600.0	2618.0	2601.4	2597.2
22.5°	2584.8	2555.8	2576.5	2553.0	2554.4
25°	2536.4	2506.1	2526.8	2504.7	2503.3
27.5°	2481.2	2452.2	2474.3	2450.8	2453.6
30°	2420.4	2391.4	2413.5	2390.0	2392.8
32.5°	2354.1	2330.6	2349.9	2327.8	2343.0
35°	2286.4	2261.5	2282.2	2257.4	2269.8
37.5°	2213.2	2189.7	2211.8	2184.2	2195.2
40°	2134.4	2113.7	2133.0	2108.2	2117.9
42.5°	2043.2	2030.8	2050.2	2025.3	2033.6
45°	1954.8	1936.9	1960.4	1939.6	1942.4
47.5°	1866.4	1847.1	1869.2	1851.2	1849.8
50°	1760.0	1753.1	1773.9	1760.0	1758.7
52.5°	1659.2	1645.4	1667.5	1660.6	1664.7
55°	1551.4	1539.0	1557.0	1555.6	1563.9
57.5°	1439.5	1427.1	1450.6	1447.8	1454.7
60°	1320.7	1311.1	1341.4	1334.5	1340.1
62.5°	1204.7	1186.7	1225.4	1219.9	1217.1
65°	1074.8	1063.8	1105.2	1098.3	1077.6
67.5°	940.8	936.7	979.5	965.7	931.1
70°	806.8	809.6	851.0	824.8	795.7
72.5°	665.9	686.6	711.5	692.1	671.4
75°	533.3	565.0	569.2	567.8	547.1
77.5°	403.4	443.5	433.8	443.5	426.9
80°	281.8	326.0	319.1	327.4	313.6
82.5°	174.1	214.1	215.5	221.0	208.6
85°	84.3	124.3	127.1	128.5	118.8
87.5°	18.0	58.0	59.4	55.3	48.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)