

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-LD5-88SL-UNV-L950-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-LD5-88SL-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

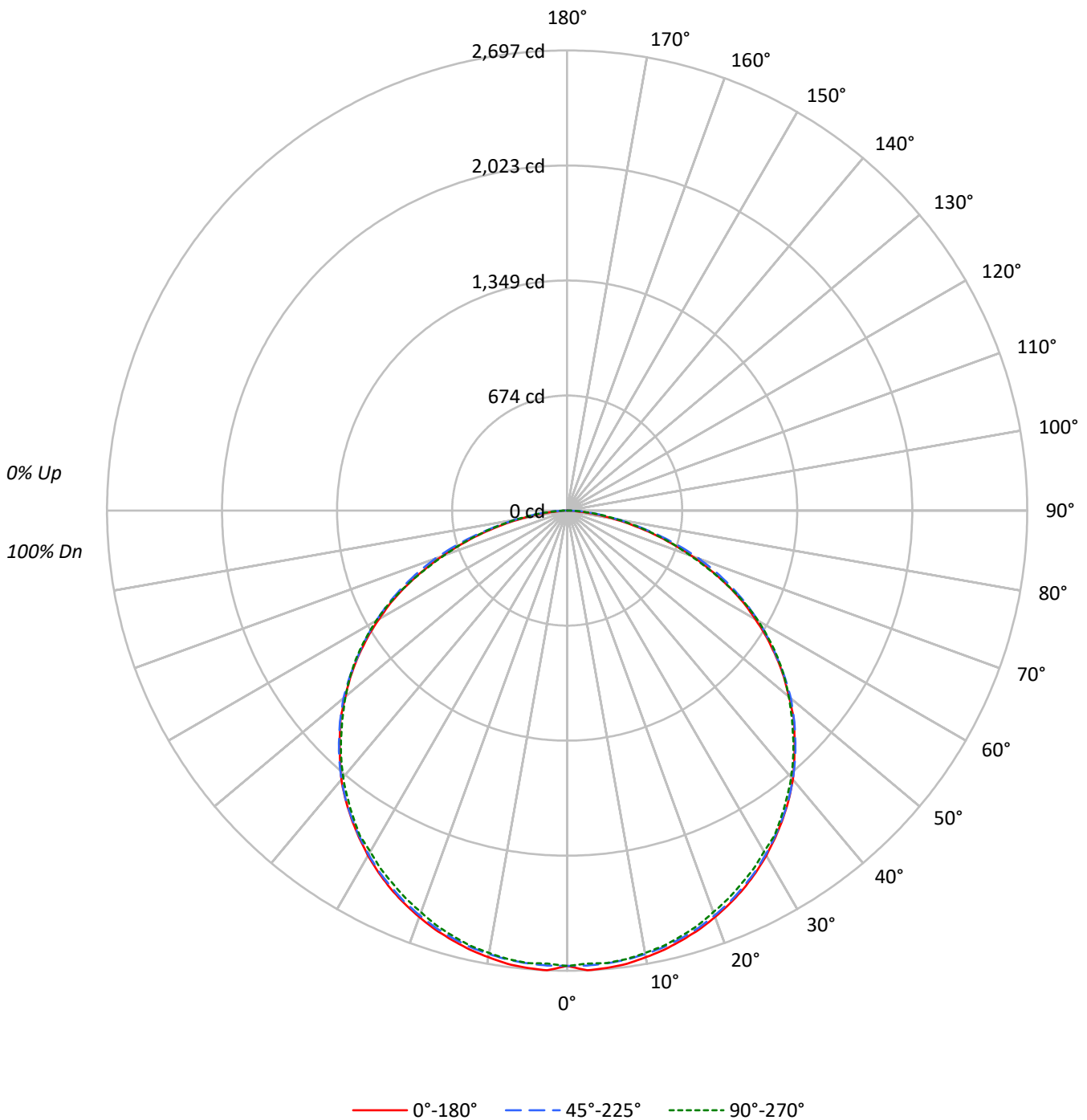
Lumens per Lamp: N/A
Luminaire Lumens: 8006.0 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
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°	10783	10783	10783
5°	10896	10548	10454
10°	10876	10326	10131
15°	10856	10103	9814
20°	10841	9864	9476
25°	10827	9624	9160
30°	10794	9365	8849
35°	10759	9096	8551
40°	10718	8807	8193
45°	10608	8464	7783
50°	10475	8089	7367
55°	10310	7584	6917
60°	10022	7070	6329
65°	9589	6398	5505
70°	8814	5511	4464
75°	7587	4218	3431
80°	5810	2789	2250
85°	3198	1366	1004



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	3.2
10°-20°	730.5	9.1
20°-30°	1118.2	14.0
30°-40°	1370.0	17.1
40°-50°	1449.1	18.1
50°-60°	1337.6	16.7
60°-70°	1032.4	12.9
70°-80°	573.0	7.2
80°-90°	141.9	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°	2102.0	26.3
0°-40°	3472.0	43.4
0°-60°	6258.6	78.2
0°-90°	8006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2669	2669	2669	2669	2669	
5°	2690	2656	2664	2657	2662	256
15°	2606	2576	2594	2585	2582	736
25°	2446	2417	2437	2416	2414	1128
35°	2205	2181	2201	2177	2189	1380
45°	1885	1868	1891	1871	1873	1455
55°	1496	1484	1502	1500	1508	1336
65°	1037	1026	1066	1059	1039	1022
75°	514	545	549	548	528	546
85°	81	120	123	124	115	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2668.8	2668.8	2668.8	2668.8	2668.8
2.5°	2696.8	2662.2	2668.8	2664.8	2656.8
5°	2690.1	2655.5	2663.5	2656.8	2662.2
7.5°	2679.5	2642.2	2655.5	2646.2	2651.5
10°	2658.2	2626.2	2639.5	2628.8	2632.8
12.5°	2635.5	2602.2	2620.9	2607.5	2612.9
15°	2606.2	2575.6	2594.2	2584.9	2582.2
17.5°	2574.2	2544.9	2563.6	2552.9	2548.9
20°	2535.6	2507.6	2524.9	2508.9	2504.9
22.5°	2492.9	2465.0	2484.9	2462.3	2463.6
25°	2446.3	2417.0	2437.0	2415.7	2414.3
27.5°	2393.0	2365.0	2386.3	2363.7	2366.4
30°	2334.4	2306.4	2327.7	2305.1	2307.7
32.5°	2270.4	2247.8	2266.4	2245.1	2259.8
35°	2205.1	2181.2	2201.1	2177.2	2189.2
37.5°	2134.5	2111.9	2133.2	2106.5	2117.2
40°	2058.6	2038.6	2057.2	2033.3	2042.6
42.5°	1970.6	1958.6	1977.3	1953.3	1961.3
45°	1885.4	1868.0	1890.7	1870.7	1873.4
47.5°	1800.1	1781.4	1802.8	1785.4	1784.1
50°	1697.5	1690.8	1710.8	1697.5	1696.2
52.5°	1600.2	1586.9	1608.2	1601.6	1605.6
55°	1496.3	1484.3	1501.6	1500.3	1508.3
57.5°	1388.4	1376.4	1399.0	1396.4	1403.0
60°	1273.8	1264.5	1293.8	1287.1	1292.4
62.5°	1161.9	1144.5	1181.8	1176.5	1173.9
65°	1036.6	1026.0	1065.9	1059.3	1039.3
67.5°	907.4	903.4	944.7	931.4	898.0
70°	778.1	780.8	820.8	795.4	767.5
72.5°	642.2	662.2	686.2	667.5	647.6
75°	514.3	545.0	549.0	547.6	527.6
77.5°	389.1	427.7	418.4	427.7	411.7
80°	271.8	314.4	307.8	315.8	302.5
82.5°	167.9	206.5	207.9	213.2	201.2
85°	81.3	119.9	122.6	123.9	114.6
87.5°	17.3	56.0	57.3	53.3	46.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)