

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-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: 8SNLED-LD5-88SL-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

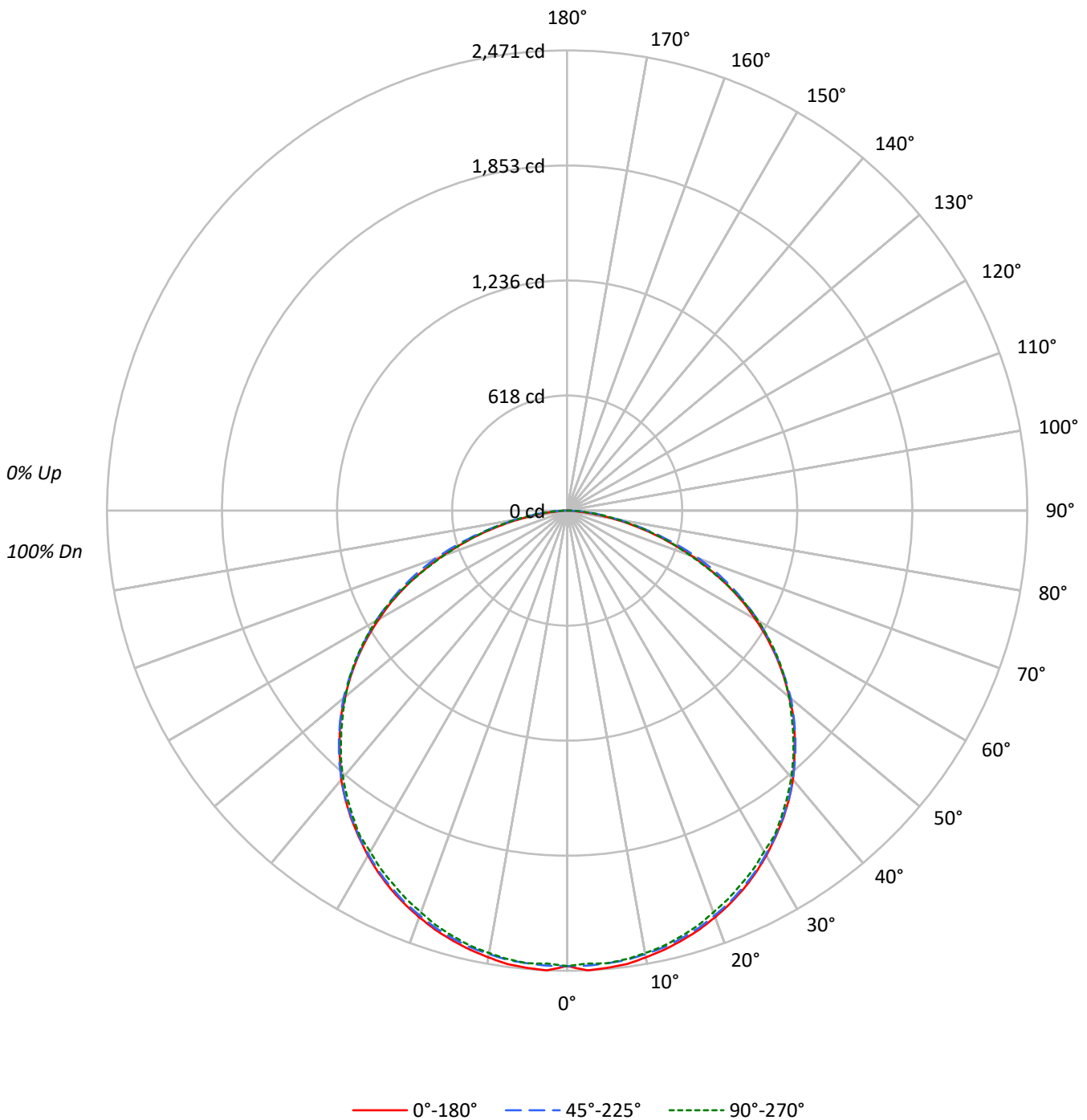
Lumens per Lamp: N/A
Luminaire Lumens: 7337.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-88SL-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-UNV-L935-CD1-U

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°	9882	9882	9882
5°	9985	9666	9581
10°	9967	9463	9285
15°	9949	9259	8994
20°	9935	9040	8684
25°	9923	8819	8395
30°	9892	8583	8110
35°	9860	8336	7836
40°	9822	8071	7508
45°	9721	7756	7133
50°	9600	7413	6751
55°	9449	6950	6339
60°	9184	6479	5800
65°	8788	5863	5045
70°	8078	5050	4090
75°	6952	3866	3144
80°	5324	2556	2061
85°	2930	1251	920



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.1	3.2
10°-20°	669.4	9.1
20°-30°	1024.8	14.0
30°-40°	1255.5	17.1
40°-50°	1328.0	18.1
50°-60°	1225.8	16.7
60°-70°	946.1	12.9
70°-80°	525.1	7.2
80°-90°	130.1	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°	1926.3	26.3
0°-40°	3181.9	43.4
0°-60°	5735.6	78.2
0°-90°	7337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7337.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2446	2446	2446	2446	2446	
5°	2465	2434	2441	2435	2440	234
15°	2388	2360	2377	2369	2366	675
25°	2242	2215	2233	2214	2213	1033
35°	2021	1999	2017	1995	2006	1264
45°	1728	1712	1733	1714	1717	1333
55°	1371	1360	1376	1375	1382	1224
65°	950	940	977	971	952	937
75°	471	499	503	502	484	500
85°	74	110	112	114	105	100
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2445.8	2445.8	2445.8	2445.8	2445.8
2.5°	2471.4	2439.7	2445.8	2442.1	2434.8
5°	2465.3	2433.6	2440.9	2434.8	2439.7
7.5°	2455.6	2421.4	2433.6	2425.0	2429.9
10°	2436.0	2406.7	2418.9	2409.2	2412.8
12.5°	2415.3	2384.8	2401.8	2389.6	2394.5
15°	2388.4	2360.3	2377.4	2368.9	2366.4
17.5°	2359.1	2332.2	2349.3	2339.6	2335.9
20°	2323.7	2298.1	2313.9	2299.3	2295.6
22.5°	2284.6	2259.0	2277.3	2256.5	2257.8
25°	2241.9	2215.0	2233.3	2213.8	2212.6
27.5°	2193.0	2167.4	2186.9	2166.2	2168.6
30°	2139.3	2113.7	2133.2	2112.5	2114.9
32.5°	2080.7	2059.9	2077.0	2057.5	2070.9
35°	2020.9	1998.9	2017.2	1995.2	2006.2
37.5°	1956.2	1935.4	1954.9	1930.5	1940.3
40°	1886.6	1868.2	1885.3	1863.4	1871.9
42.5°	1806.0	1795.0	1812.1	1790.1	1797.4
45°	1727.8	1711.9	1732.7	1714.4	1716.8
47.5°	1649.7	1632.6	1652.1	1636.2	1635.0
50°	1555.6	1549.5	1567.9	1555.6	1554.4
52.5°	1466.5	1454.3	1473.8	1467.7	1471.4
55°	1371.3	1360.3	1376.1	1374.9	1382.3
57.5°	1272.4	1261.4	1282.1	1279.7	1285.8
60°	1167.3	1158.8	1185.7	1179.6	1184.4
62.5°	1064.8	1048.9	1083.1	1078.2	1075.8
65°	950.0	940.2	976.9	970.8	952.4
67.5°	831.6	827.9	865.7	853.5	823.0
70°	713.1	715.5	752.2	729.0	703.3
72.5°	588.6	606.9	628.9	611.8	593.4
75°	471.3	499.4	503.1	501.9	483.5
77.5°	356.6	392.0	383.4	392.0	377.3
80°	249.1	288.2	282.1	289.4	277.2
82.5°	153.9	189.3	190.5	195.4	184.4
85°	74.5	109.9	112.3	113.6	105.0
87.5°	15.9	51.3	52.5	48.8	42.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)