

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-LD5-120SL-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-LD5-120SL-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

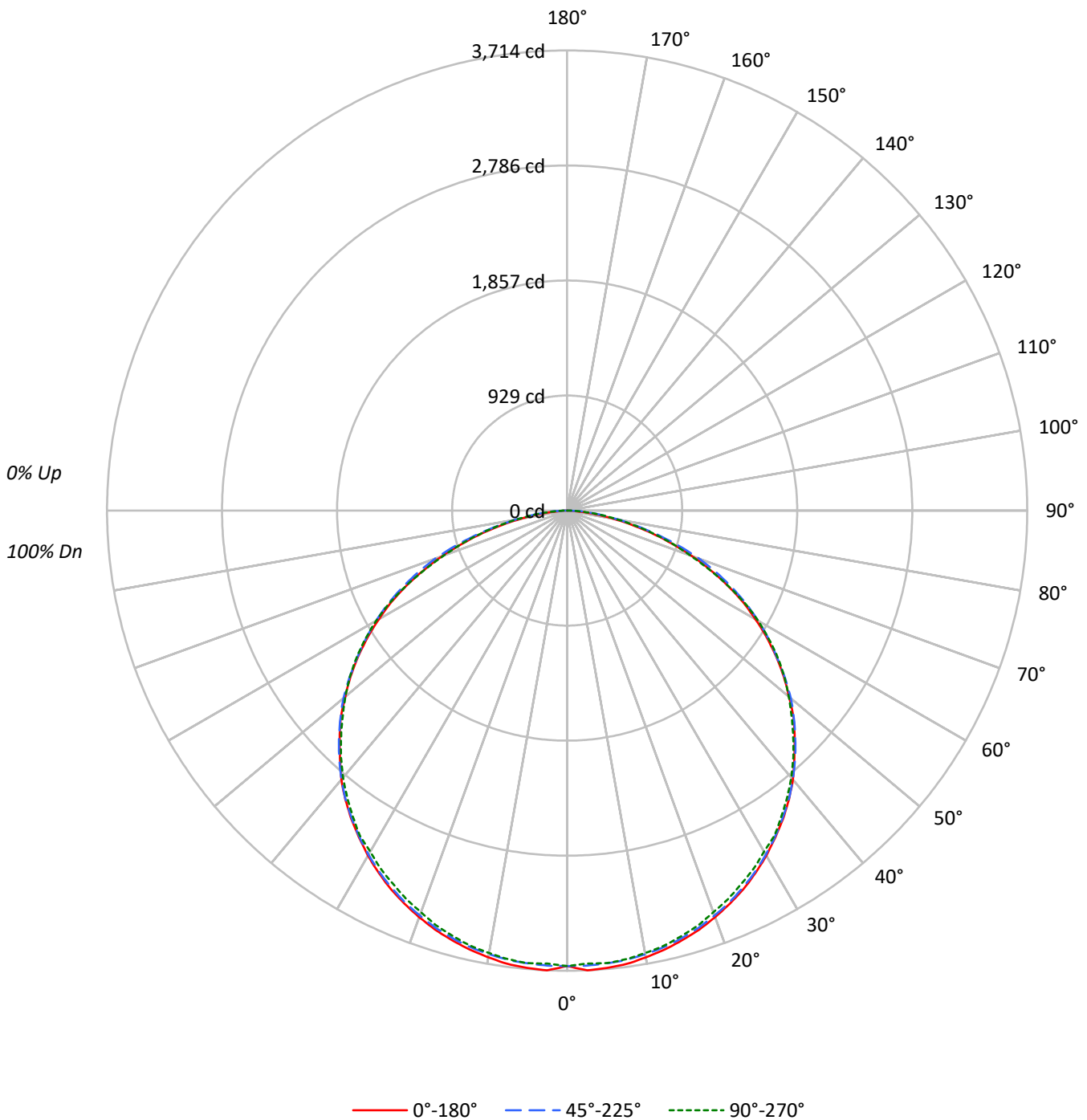
Lumens per Lamp: N/A
Luminaire Lumens: 11027.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
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°	14853	14853	14853
5°	15008	14528	14399
10°	14980	14223	13954
15°	14953	13916	13518
20°	14932	13586	13052
25°	14913	13255	12617
30°	14867	12899	12188
35°	14819	12529	11777
40°	14762	12131	11284
45°	14610	11657	10720
50°	14428	11141	10146
55°	14201	10446	9527
60°	13804	9737	8717
65°	13208	8812	7582
70°	12140	7590	6148
75°	10450	5809	4725
80°	8003	3841	3098
85°	4402	1881	1383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.9	3.2
10°-20°	1006.1	9.1
20°-30°	1540.1	14.0
30°-40°	1887.0	17.1
40°-50°	1995.9	18.1
50°-60°	1842.3	16.7
60°-70°	1422.0	12.9
70°-80°	789.2	7.2
80°-90°	195.5	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°	2895.2	26.3
0°-40°	4782.1	43.4
0°-60°	8620.3	78.2
0°-90°	11027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3676	3676	3676	3676	3676	
5°	3705	3658	3668	3659	3667	352
15°	3590	3547	3573	3560	3557	1014
25°	3369	3329	3357	3327	3325	1553
35°	3037	3004	3032	2999	3015	1900
45°	2597	2573	2604	2577	2580	2004
55°	2061	2044	2068	2066	2077	1839
65°	1428	1413	1468	1459	1431	1408
75°	708	751	756	754	727	752
85°	112	165	169	171	158	151
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3675.9	3675.9	3675.9	3675.9	3675.9
2.5°	3714.4	3666.7	3675.9	3670.4	3659.4
5°	3705.2	3657.5	3668.5	3659.4	3666.7
7.5°	3690.6	3639.2	3657.5	3644.7	3652.0
10°	3661.2	3617.2	3635.5	3620.8	3626.3
12.5°	3630.0	3584.1	3609.8	3591.5	3598.8
15°	3589.6	3547.4	3573.1	3560.3	3556.6
17.5°	3545.6	3505.2	3530.9	3516.2	3510.7
20°	3492.4	3453.8	3477.7	3455.7	3450.2
22.5°	3433.6	3395.1	3422.6	3391.4	3393.3
25°	3369.4	3329.0	3356.6	3327.2	3325.4
27.5°	3296.0	3257.5	3286.8	3255.6	3259.3
30°	3215.2	3176.7	3206.1	3174.9	3178.5
32.5°	3127.2	3096.0	3121.7	3092.3	3112.5
35°	3037.2	3004.2	3031.7	2998.7	3015.2
37.5°	2940.0	2908.8	2938.1	2901.4	2916.1
40°	2835.4	2807.8	2833.5	2800.5	2813.3
42.5°	2714.2	2697.7	2723.4	2690.4	2701.4
45°	2596.8	2572.9	2604.1	2576.6	2580.3
47.5°	2479.3	2453.6	2483.0	2459.1	2457.3
50°	2338.0	2328.9	2356.4	2338.0	2336.2
52.5°	2204.1	2185.7	2215.1	2205.9	2211.4
55°	2060.9	2044.4	2068.3	2066.4	2077.4
57.5°	1912.3	1895.7	1926.9	1923.3	1932.5
60°	1754.4	1741.6	1782.0	1772.8	1780.1
62.5°	1600.3	1576.4	1627.8	1620.5	1616.8
65°	1427.8	1413.1	1468.1	1459.0	1431.4
67.5°	1249.8	1244.3	1301.1	1282.8	1236.9
70°	1071.7	1075.4	1130.5	1095.6	1057.1
72.5°	884.6	912.1	945.1	919.4	891.9
75°	708.4	750.6	756.1	754.3	726.7
77.5°	535.9	589.1	576.2	589.1	567.1
80°	374.4	433.1	423.9	434.9	416.6
82.5°	231.2	284.5	286.3	293.6	277.1
85°	111.9	165.2	168.8	170.7	157.8
87.5°	23.9	77.1	78.9	73.4	64.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)