

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-LD5-112SL-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-LD5-112SL-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

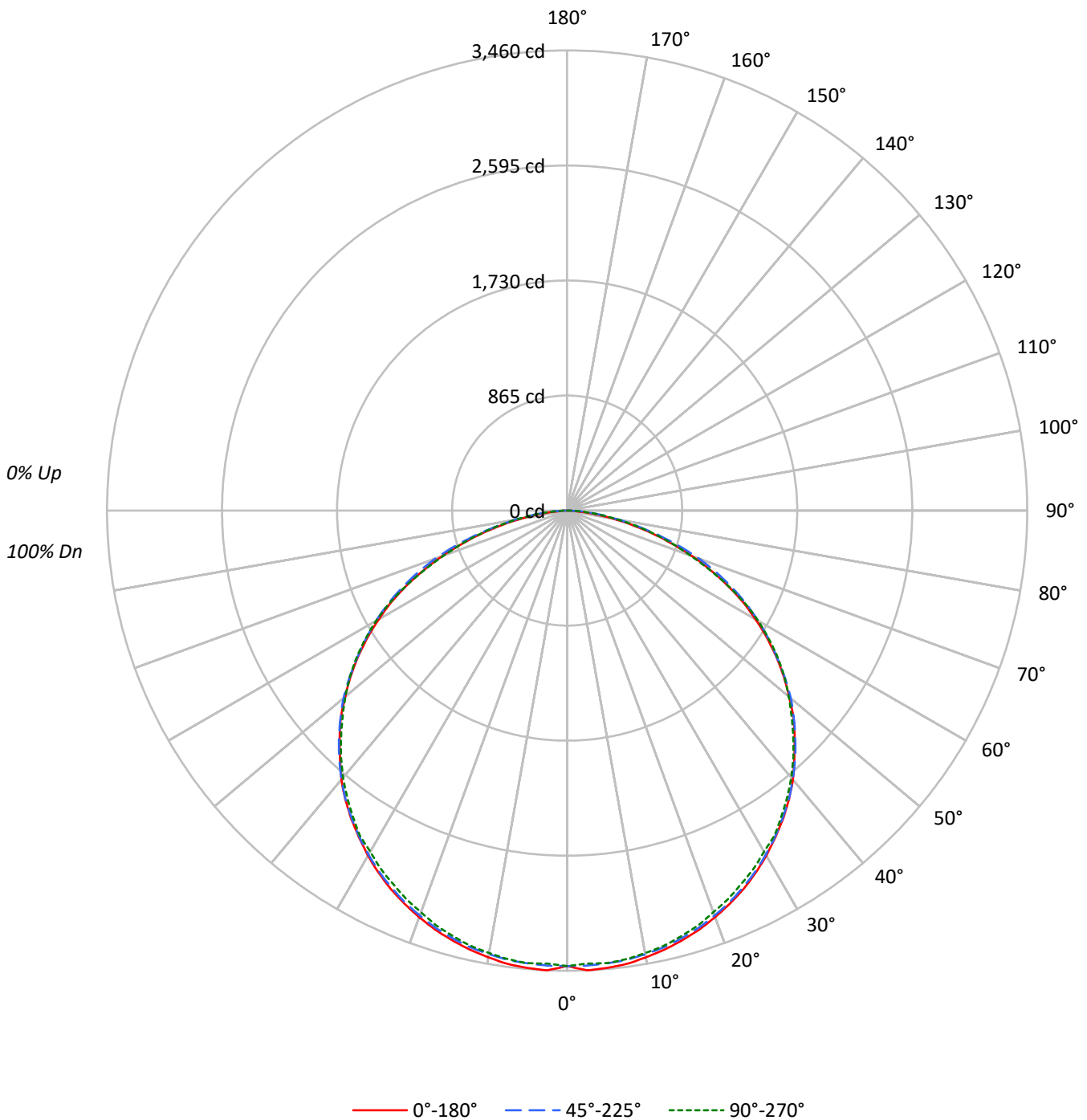
Lumens per Lamp: N/A
Luminaire Lumens: 10273.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
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°	13837	13837	13837
5°	13982	13535	13415
10°	13956	13250	13001
15°	13931	12964	12593
20°	13911	12657	12159
25°	13893	12349	11754
30°	13850	12017	11355
35°	13806	11672	10972
40°	13752	11302	10513
45°	13611	10860	9987
50°	13442	10379	9452
55°	13230	9731	8876
60°	12860	9071	8121
65°	12304	8210	7064
70°	11310	7071	5727
75°	9734	5412	4402
80°	7455	3578	2886
85°	4103	1753	1288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.0	3.2
10°-20°	937.3	9.1
20°-30°	1434.8	14.0
30°-40°	1758.0	17.1
40°-50°	1859.4	18.1
50°-60°	1716.3	16.7
60°-70°	1324.7	12.9
70°-80°	735.3	7.2
80°-90°	182.1	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°	2697.2	26.3
0°-40°	4455.1	43.4
0°-60°	8030.9	78.2
0°-90°	10273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3424	3424	3424	3424	3424	
5°	3452	3407	3418	3409	3416	328
15°	3344	3305	3329	3317	3313	945
25°	3139	3101	3127	3100	3098	1447
35°	2830	2799	2824	2794	2809	1770
45°	2419	2397	2426	2400	2404	1867
55°	1920	1905	1927	1925	1935	1714
65°	1330	1316	1368	1359	1334	1312
75°	660	699	704	703	677	700
85°	104	154	157	159	147	140
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3424.5	3424.5	3424.5	3424.5	3424.5
2.5°	3460.4	3416.0	3424.5	3419.4	3409.1
5°	3451.9	3407.4	3417.7	3409.1	3416.0
7.5°	3438.2	3390.3	3407.4	3395.5	3402.3
10°	3410.9	3369.8	3386.9	3373.2	3378.4
12.5°	3381.8	3339.0	3363.0	3345.9	3352.7
15°	3344.2	3304.9	3328.8	3316.8	3313.4
17.5°	3303.1	3265.5	3289.5	3275.8	3270.7
20°	3253.6	3217.7	3239.9	3219.4	3214.2
22.5°	3198.8	3162.9	3188.6	3159.5	3161.2
25°	3139.0	3101.4	3127.0	3099.7	3098.0
27.5°	3070.6	3034.7	3062.1	3033.0	3036.4
30°	2995.4	2959.5	2986.8	2957.8	2961.2
32.5°	2913.3	2884.3	2908.2	2880.8	2899.7
35°	2829.6	2798.8	2824.4	2793.7	2809.0
37.5°	2738.9	2709.9	2737.2	2703.0	2716.7
40°	2641.5	2615.8	2639.8	2609.0	2621.0
42.5°	2528.6	2513.3	2537.2	2506.4	2516.7
45°	2419.2	2397.0	2426.1	2400.4	2403.8
47.5°	2309.8	2285.9	2313.2	2291.0	2289.3
50°	2178.2	2169.6	2195.3	2178.2	2176.4
52.5°	2053.4	2036.3	2063.6	2055.1	2060.2
55°	1920.0	1904.6	1926.8	1925.1	1935.4
57.5°	1781.5	1766.1	1795.2	1791.8	1800.3
60°	1634.5	1622.5	1660.1	1651.6	1658.4
62.5°	1490.9	1468.6	1516.5	1509.7	1506.2
65°	1330.1	1316.5	1367.8	1359.2	1333.6
67.5°	1164.3	1159.2	1212.2	1195.1	1152.3
70°	998.5	1001.9	1053.2	1020.7	984.8
72.5°	824.1	849.7	880.5	856.6	830.9
75°	659.9	699.3	704.4	702.7	677.0
77.5°	499.2	548.8	536.8	548.8	528.3
80°	348.8	403.5	394.9	405.2	388.1
82.5°	215.4	265.0	266.7	273.6	258.2
85°	104.3	153.9	157.3	159.0	147.0
87.5°	22.2	71.8	73.5	68.4	59.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)