

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-LD5-136SL-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-LD5-136SL-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

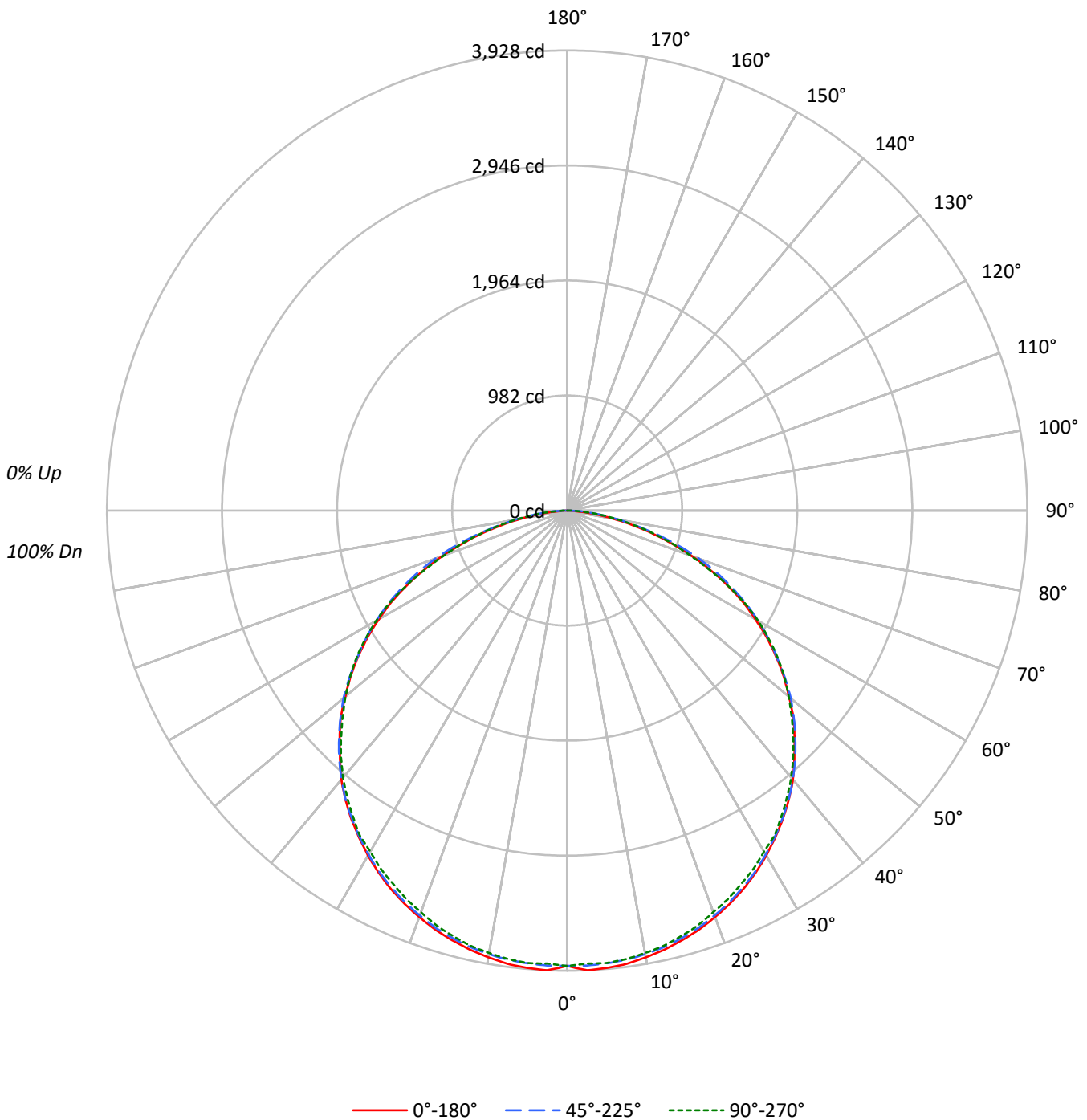
Lumens per Lamp: N/A  
Luminaire Lumens: 11661.0 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 110  
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°	15706	15706	15706
5°	15871	15363	15227
10°	15841	15040	14757
15°	15813	14715	14295
20°	15790	14367	13802
25°	15770	14017	13342
30°	15722	13641	12889
35°	15671	13249	12454
40°	15610	12828	11933
45°	15450	12328	11336
50°	15258	11782	10729
55°	15017	11046	10075
60°	14598	10297	9219
65°	13968	9319	8018
70°	12838	8026	6501
75°	11050	6144	4997
80°	8462	4062	3276
85°	4657	1989	1462



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.0	3.2
10°-20°	1064.0	9.1
20°-30°	1628.7	14.0
30°-40°	1995.5	17.1
40°-50°	2110.6	18.1
50°-60°	1948.2	16.7
60°-70°	1503.7	12.9
70°-80°	834.6	7.2
80°-90°	206.7	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°	3061.6	26.3
0°-40°	5057.1	43.4
0°-60°	9115.9	78.2
0°-90°	11661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11661.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3887	3887	3887	3887	3887	
5°	3918	3868	3880	3870	3878	373
15°	3796	3751	3778	3765	3761	1072
25°	3563	3520	3550	3518	3516	1642
35°	3212	3177	3206	3171	3189	2010
45°	2746	2721	2754	2725	2729	2119
55°	2179	2162	2187	2185	2197	1945
65°	1510	1494	1553	1543	1514	1489
75°	749	794	800	798	768	795
85°	118	175	178	180	167	159
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3887.2	3887.2	3887.2	3887.2	3887.2
2.5°	3928.0	3877.5	3887.2	3881.4	3869.8
5°	3918.3	3867.8	3879.5	3869.8	3877.5
7.5°	3902.7	3848.4	3867.8	3854.2	3862.0
10°	3871.7	3825.1	3844.5	3829.0	3834.8
12.5°	3838.7	3790.2	3817.4	3798.0	3805.7
15°	3796.0	3751.4	3778.5	3765.0	3761.1
17.5°	3749.4	3706.7	3733.9	3718.4	3712.6
20°	3693.2	3652.4	3677.6	3654.3	3648.5
22.5°	3631.1	3590.3	3619.4	3586.4	3588.4
25°	3563.1	3520.4	3549.5	3518.5	3516.5
27.5°	3485.5	3444.7	3475.8	3442.8	3446.7
30°	3400.1	3359.4	3390.4	3357.4	3361.3
32.5°	3307.0	3274.0	3301.1	3270.1	3291.4
35°	3211.9	3176.9	3206.0	3171.1	3188.6
37.5°	3109.0	3076.0	3107.1	3068.2	3083.8
40°	2998.4	2969.3	2996.4	2961.5	2975.1
42.5°	2870.3	2852.8	2880.0	2845.1	2856.7
45°	2746.1	2720.9	2753.9	2724.7	2728.6
47.5°	2621.9	2594.7	2625.8	2600.5	2598.6
50°	2472.5	2462.7	2491.9	2472.5	2470.5
52.5°	2330.8	2311.4	2342.4	2332.7	2338.5
55°	2179.4	2161.9	2187.2	2185.2	2196.9
57.5°	2022.2	2004.7	2037.7	2033.9	2043.6
60°	1855.3	1841.7	1884.4	1874.7	1882.5
62.5°	1692.3	1667.1	1721.4	1713.6	1709.8
65°	1509.9	1494.3	1552.6	1542.9	1513.7
67.5°	1321.6	1315.8	1376.0	1356.5	1308.0
70°	1133.4	1137.3	1195.5	1158.6	1117.8
72.5°	935.4	964.5	999.5	972.3	943.2
75°	749.1	793.7	799.6	797.6	768.5
77.5°	566.7	623.0	609.4	623.0	599.7
80°	395.9	458.0	448.3	459.9	440.5
82.5°	244.5	300.8	302.7	310.5	293.0
85°	118.4	174.7	178.5	180.5	166.9
87.5°	25.2	81.5	83.5	77.6	67.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)