

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-LD5-128SL-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-LD5-128SL-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

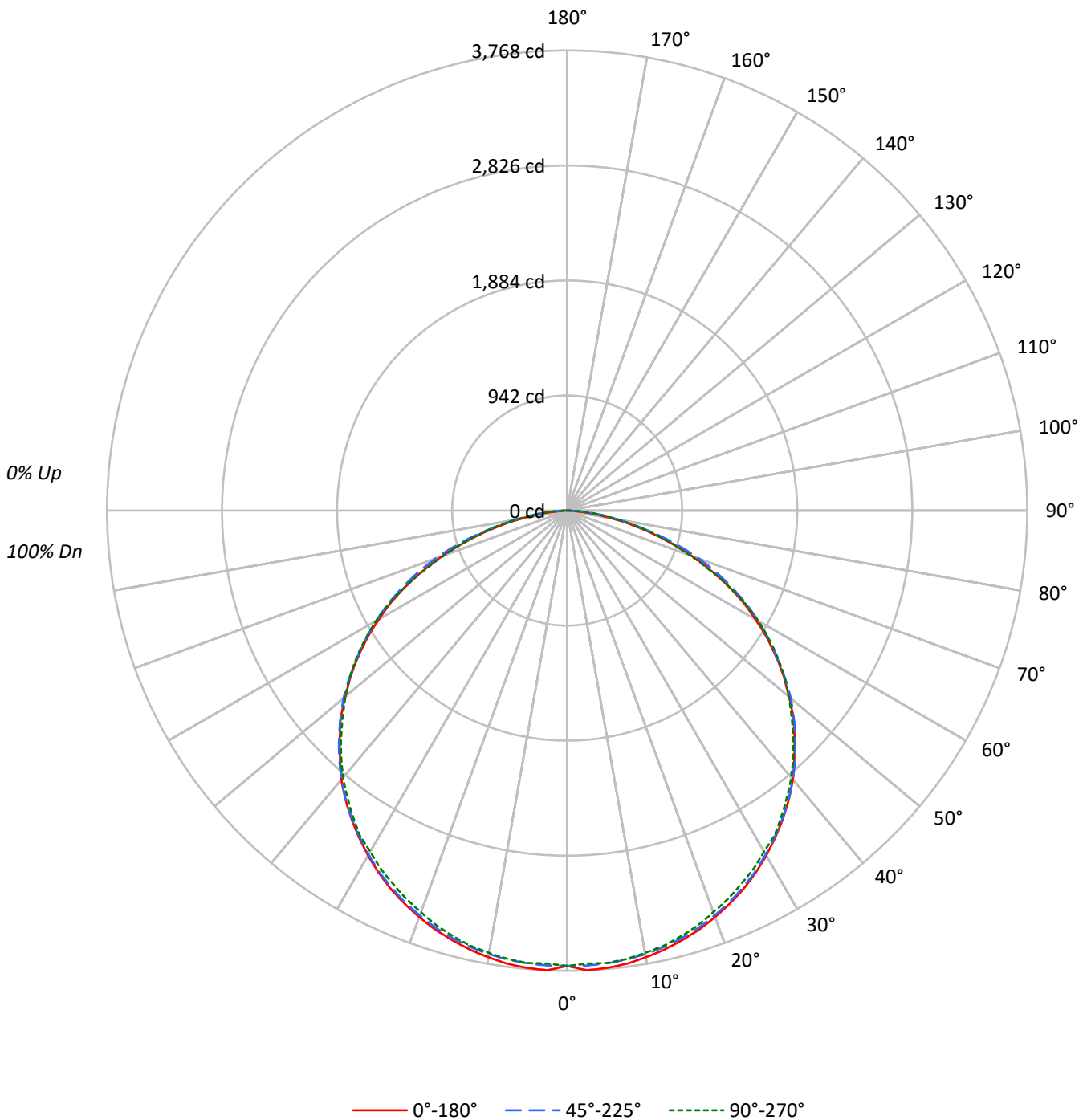
Lumens per Lamp: N/A  
Luminaire Lumens: 11185.0 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 103  
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°	15065	15065	15065
5°	15223	14736	14605
10°	15195	14426	14155
15°	15167	14115	13712
20°	15146	13781	13239
25°	15127	13445	12797
30°	15080	13084	12363
35°	15032	12708	11946
40°	14973	12305	11446
45°	14819	11824	10873
50°	14635	11301	10292
55°	14404	10595	9663
60°	14002	9877	8842
65°	13397	8938	7691
70°	12314	7699	6236
75°	10599	5892	4793
80°	8116	3896	3143
85°	4468	1909	1403



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.9	3.2
10°-20°	1020.5	9.1
20°-30°	1562.2	14.0
30°-40°	1914.0	17.1
40°-50°	2024.5	18.1
50°-60°	1868.7	16.7
60°-70°	1442.3	12.9
70°-80°	800.5	7.2
80°-90°	198.3	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°	2936.6	26.3
0°-40°	4850.7	43.4
0°-60°	8743.8	78.2
0°-90°	11185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11185.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3728	3728	3728	3728	3728	
5°	3758	3710	3721	3712	3719	357
15°	3641	3598	3624	3611	3608	1028
25°	3418	3377	3405	3375	3373	1575
35°	3081	3047	3075	3042	3058	1928
45°	2634	2610	2641	2614	2617	2033
55°	2090	2074	2098	2096	2107	1866
65°	1448	1433	1489	1480	1452	1428
75°	718	761	767	765	737	762
85°	114	168	171	173	160	153
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3728.5	3728.5	3728.5	3728.5	3728.5
2.5°	3767.6	3719.2	3728.5	3723.0	3711.8
5°	3758.3	3709.9	3721.1	3711.8	3719.2
7.5°	3743.4	3691.3	3709.9	3696.9	3704.3
10°	3713.7	3669.0	3687.6	3672.7	3678.3
12.5°	3682.0	3635.5	3661.5	3642.9	3650.4
15°	3641.1	3598.2	3624.3	3611.3	3607.6
17.5°	3596.4	3555.4	3581.5	3566.6	3561.0
20°	3542.4	3503.3	3527.5	3505.2	3499.6
22.5°	3482.8	3443.7	3471.7	3440.0	3441.9
25°	3417.7	3376.7	3404.6	3374.9	3373.0
27.5°	3343.2	3304.1	3333.9	3302.3	3306.0
30°	3261.3	3222.2	3252.0	3220.4	3224.1
32.5°	3172.0	3140.3	3166.4	3136.6	3157.1
35°	3080.8	3047.2	3075.2	3041.7	3058.4
37.5°	2982.1	2950.4	2980.2	2943.0	2957.9
40°	2876.0	2848.1	2874.1	2840.6	2853.7
42.5°	2753.1	2736.4	2762.4	2728.9	2740.1
45°	2634.0	2609.8	2641.4	2613.5	2617.2
47.5°	2514.9	2488.8	2518.6	2494.4	2492.5
50°	2371.5	2362.2	2390.1	2371.5	2369.7
52.5°	2235.6	2217.0	2246.8	2237.5	2243.1
55°	2090.4	2073.7	2097.9	2096.0	2107.2
57.5°	1939.7	1922.9	1954.6	1950.8	1960.1
60°	1779.6	1766.5	1807.5	1798.2	1805.6
62.5°	1623.2	1599.0	1651.1	1643.7	1640.0
65°	1448.2	1433.3	1489.2	1479.9	1452.0
67.5°	1267.7	1262.1	1319.8	1301.2	1254.6
70°	1087.1	1090.8	1146.7	1111.3	1072.2
72.5°	897.2	925.2	958.7	932.6	904.7
75°	718.5	761.3	766.9	765.1	737.1
77.5°	543.6	597.5	584.5	597.5	575.2
80°	379.7	439.3	430.0	441.2	422.6
82.5°	234.5	288.5	290.4	297.8	281.1
85°	113.6	167.5	171.3	173.1	160.1
87.5°	24.2	78.2	80.0	74.5	65.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)