

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-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-LD5-128SL-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

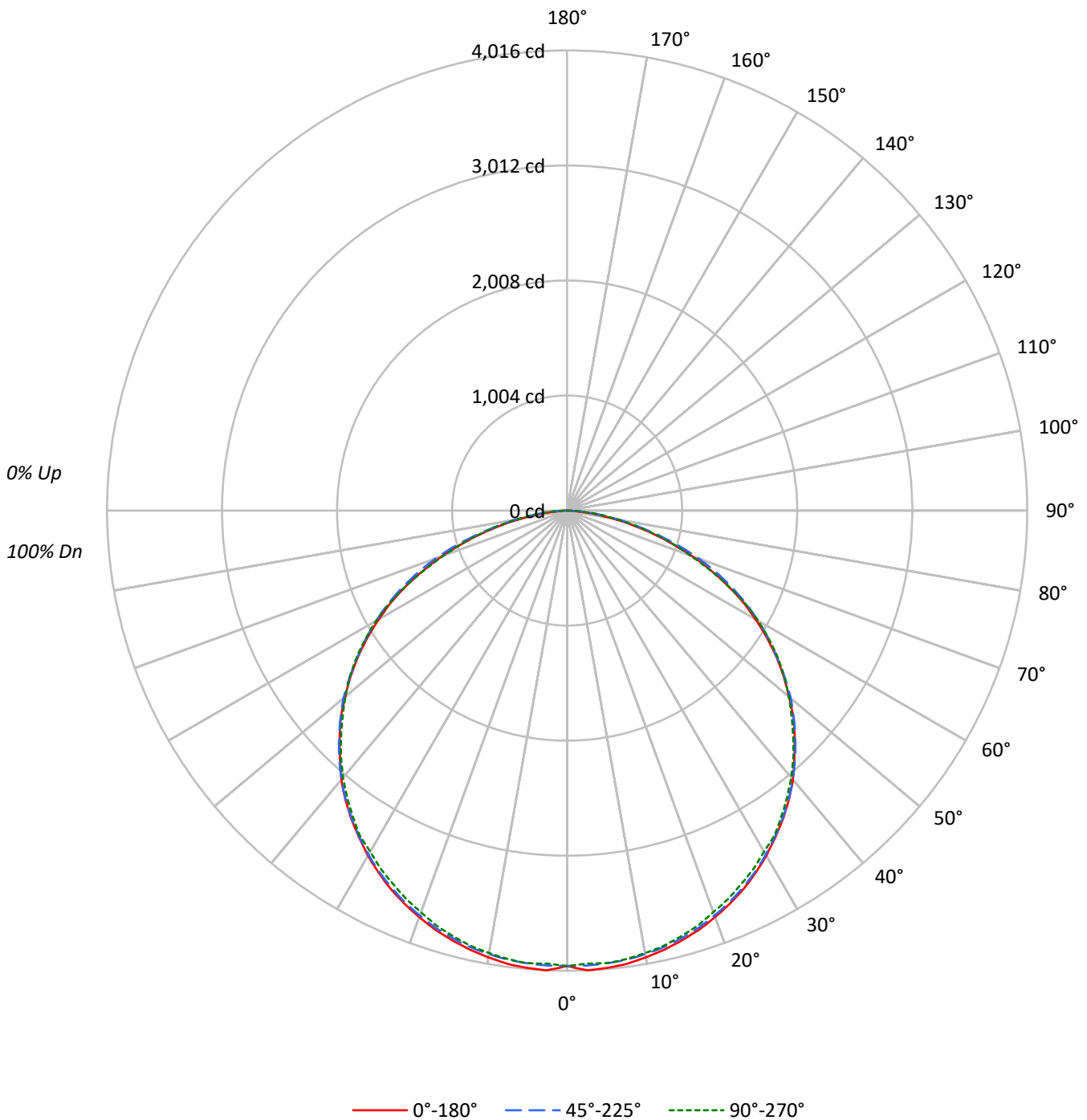
Lumens per Lamp: N/A
Luminaire Lumens: 11923.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	16059	16059	16059
5°	16227	15708	15569
10°	16197	15378	15089
15°	16168	15046	14616
20°	16145	14690	14112
25°	16125	14332	13642
30°	16075	13947	13179
35°	16023	13547	12734
40°	15961	13117	12201
45°	15797	12604	11591
50°	15600	12046	10971
55°	15355	11294	10301
60°	14926	10529	9426
65°	14281	9528	8198
70°	13126	8206	6647
75°	11298	6281	5109
80°	8652	4154	3349
85°	4759	2035	1496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.2	3.2
10°-20°	1087.9	9.1
20°-30°	1665.3	14.0
30°-40°	2040.3	17.1
40°-50°	2158.1	18.1
50°-60°	1992.0	16.7
60°-70°	1537.5	12.9
70°-80°	853.4	7.2
80°-90°	211.4	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°	3130.4	26.3
0°-40°	5170.7	43.4
0°-60°	9320.7	78.2
0°-90°	11923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3975	3975	3975	3975	3975	
5°	4006	3955	3967	3957	3965	381
15°	3881	3836	3863	3850	3846	1096
25°	3643	3600	3629	3598	3596	1679
35°	3284	3248	3278	3242	3260	2055
45°	2808	2782	2816	2786	2790	2167
55°	2228	2210	2236	2234	2246	1989
65°	1544	1528	1587	1578	1548	1522
75°	766	812	818	816	786	813
85°	121	179	183	184	171	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3974.6	3974.6	3974.6	3974.6	3974.6
2.5°	4016.2	3964.6	3974.6	3968.6	3956.7
5°	4006.3	3954.7	3966.6	3956.7	3964.6
7.5°	3990.4	3934.9	3954.7	3940.8	3948.8
10°	3958.7	3911.1	3930.9	3915.0	3921.0
12.5°	3925.0	3875.3	3903.1	3883.3	3891.2
15°	3881.3	3835.7	3863.4	3849.6	3845.6
17.5°	3833.7	3790.0	3817.8	3801.9	3796.0
20°	3776.1	3734.5	3760.3	3736.4	3730.5
22.5°	3712.6	3671.0	3700.7	3667.0	3669.0
25°	3643.2	3599.5	3629.3	3597.5	3595.6
27.5°	3563.8	3522.1	3553.9	3520.2	3524.1
30°	3476.5	3434.8	3466.6	3432.8	3436.8
32.5°	3381.3	3347.5	3375.3	3343.6	3365.4
35°	3284.0	3248.3	3278.1	3242.4	3260.2
37.5°	3178.9	3145.1	3176.9	3137.2	3153.1
40°	3065.8	3036.0	3063.8	3028.0	3041.9
42.5°	2934.8	2916.9	2944.7	2909.0	2920.9
45°	2807.8	2782.0	2815.7	2786.0	2789.9
47.5°	2680.8	2653.0	2684.8	2659.0	2657.0
50°	2528.0	2518.1	2547.8	2528.0	2526.0
52.5°	2383.1	2363.3	2395.1	2385.1	2391.1
55°	2228.4	2210.5	2236.3	2234.3	2246.2
57.5°	2067.6	2049.8	2083.5	2079.6	2089.5
60°	1897.0	1883.1	1926.8	1916.8	1924.8
62.5°	1730.3	1704.5	1760.1	1752.1	1748.2
65°	1543.8	1527.9	1587.4	1577.5	1547.8
67.5°	1351.3	1345.4	1406.9	1387.0	1337.4
70°	1158.8	1162.8	1222.3	1184.6	1143.0
72.5°	956.4	986.2	1021.9	994.1	964.4
75°	765.9	811.6	817.5	815.5	785.8
77.5°	579.4	637.0	623.1	637.0	613.2
80°	404.8	468.3	458.4	470.3	450.4
82.5°	250.0	307.6	309.6	317.5	299.6
85°	121.0	178.6	182.6	184.5	170.7
87.5°	25.8	83.3	85.3	79.4	69.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)