

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: P218413

Luminaire Tested: **2SNLED-LD5-32HL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-32HL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3296.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

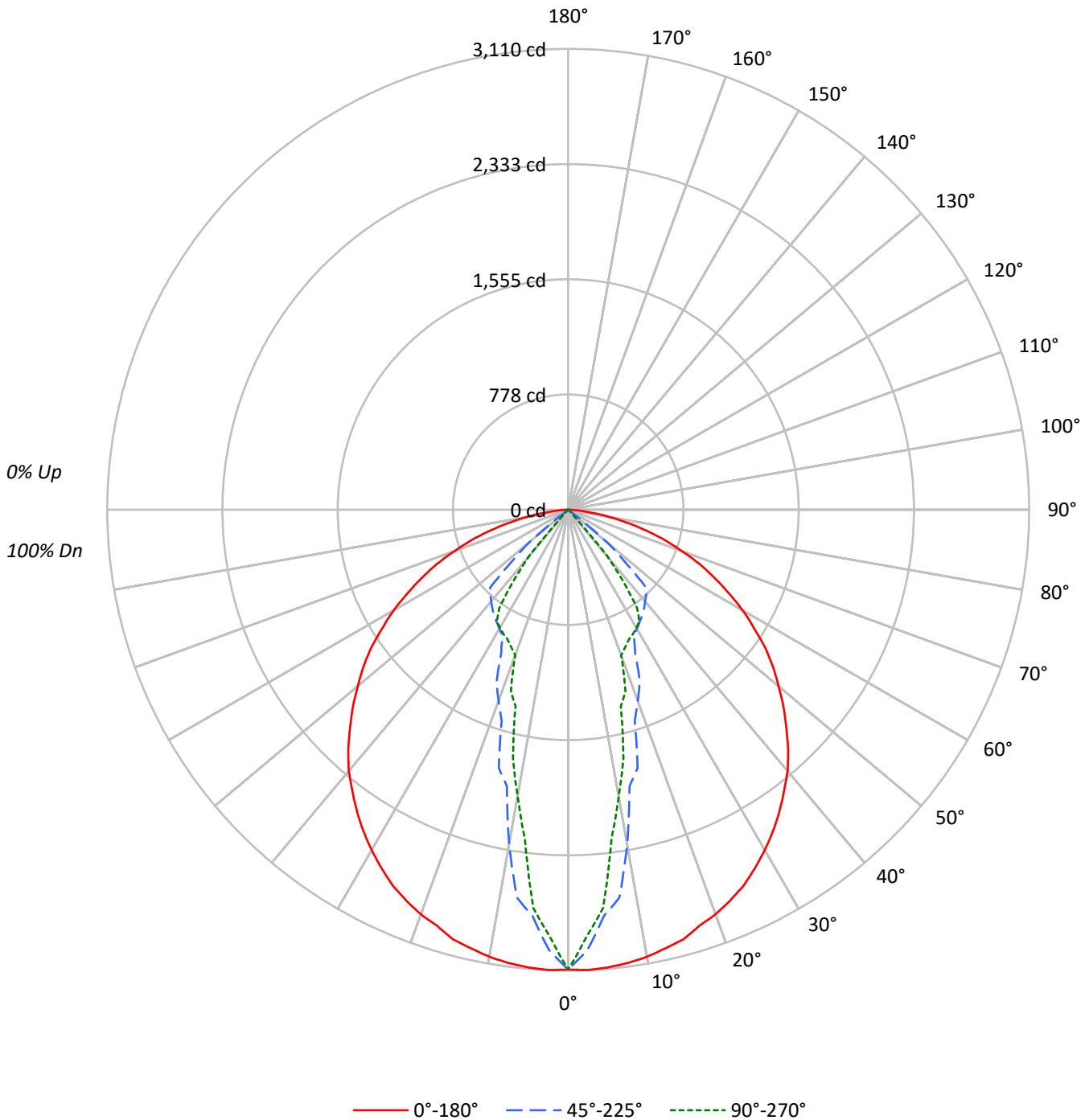
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	100011	100011	100011
5°	99565	83463	80280
10°	98797	66046	54601
15°	97948	49965	36134
20°	96717	36785	26278
25°	95803	28049	23450
30°	94167	23922	21686
35°	92373	22272	18727
40°	90503	20683	9402
45°	87518	19199	36
50°	84486	9102	0
55°	81415	300	0
60°	76611	222	0
65°	70476	92	0
70°	62518	49	0
75°	51720	52	42
80°	35316	56	45
85°	15363	61	48



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.1	7.8
10°-20°	552.1	16.8
20°-30°	658.7	20.0
30°-40°	700.8	21.3
40°-50°	512.0	15.5
50°-60°	327.1	9.9
60°-70°	196.9	6.0
70°-80°	76.7	2.3
80°-90°	15.6	0.5
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°	1466.9	44.5
0°-40°	2167.7	65.8
0°-60°	3006.8	91.2
0°-90°	3296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3103	3103	3103	3103	3103	
5°	3100	2949	2753	2704	2699	295
15°	3001	2560	1805	1407	1373	845
25°	2799	1784	1071	975	967	1288
35°	2485	1179	870	870	809	1555
45°	2081	763	744	3	2	1607
55°	1622	602	11	2	0	1444
65°	1090	245	3	2	0	1078
75°	545	13	2	2	2	576
85°	81	2	2	2	2	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3103.3	3103.3	3103.3	3103.3	3103.3
2.5°	3109.7	3089.0	2974.3	2926.5	2880.3
5°	3100.2	2948.8	2752.9	2703.5	2698.7
7.5°	3085.8	2807.0	2641.4	2357.8	2238.3
10°	3063.5	2714.6	2290.9	2051.9	1962.7
12.5°	3031.7	2577.6	1910.1	1773.1	1720.5
15°	3001.4	2560.1	1805.0	1406.7	1373.2
17.5°	2944.0	2203.2	1491.1	1322.3	1284.0
20°	2905.8	2040.8	1371.7	1147.0	1045.1
22.5°	2854.8	1945.2	1261.7	1043.5	1003.6
25°	2799.1	1784.3	1070.6	975.0	967.0
27.5°	2727.4	1569.2	959.0	949.5	946.3
30°	2652.5	1331.8	927.2	924.0	919.2
32.5°	2571.3	1237.8	898.5	898.5	893.7
35°	2485.2	1178.9	869.8	869.8	809.3
37.5°	2392.8	1104.0	841.2	841.2	608.6
40°	2302.0	946.3	807.7	560.8	411.0
42.5°	2196.9	817.3	779.0	391.9	3.2
45°	2080.6	763.1	744.0	3.2	1.6
47.5°	1970.7	724.9	506.6	1.6	0.0
50°	1852.8	683.4	347.3	1.6	0.0
52.5°	1741.3	645.2	15.9	1.6	0.0
55°	1621.8	602.2	11.2	1.6	0.0
57.5°	1486.4	560.8	9.6	1.6	0.0
60°	1360.5	516.2	8.0	1.6	0.0
62.5°	1221.9	438.1	4.8	1.6	0.0
65°	1089.7	245.3	3.2	1.6	0.0
67.5°	959.0	39.8	3.2	1.6	0.0
70°	815.7	27.1	1.6	1.6	0.0
72.5°	683.4	20.7	1.6	1.6	1.6
75°	544.8	12.7	1.6	1.6	1.6
77.5°	407.8	8.0	1.6	1.6	1.6
80°	280.4	4.8	1.6	1.6	1.6
82.5°	168.9	1.6	1.6	1.6	1.6
85°	81.2	1.6	1.6	1.6	1.6
87.5°	25.5	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)