

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: P218411

Luminaire Tested: **2SNLED-LD5-32HL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218411
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3042.1 lumens
Efficiency: N/A
Efficacy: 117.5 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

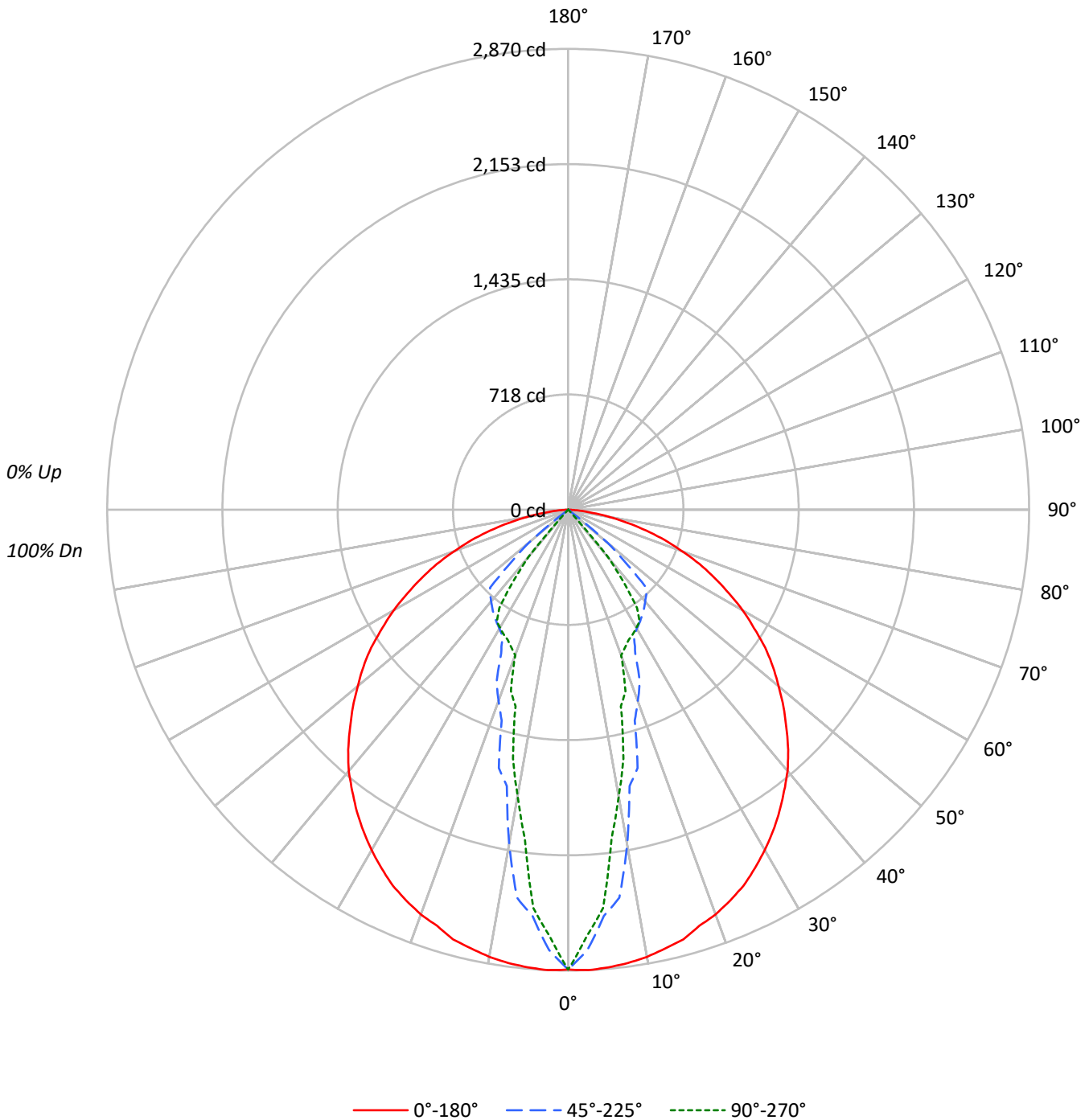
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74		81	77	73		79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49		58	53	48		57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41		51	45	41		50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92305	92305	92305
5°	91893	77029	74093
10°	91183	60955	50392
15°	90399	46115	33350
20°	89264	33951	24251
25°	88420	25887	21644
30°	86911	22077	20015
35°	85255	20556	17283
40°	83529	19090	8677
45°	80771	17718	34
50°	77975	8400	0
55°	75140	276	0
60°	70709	205	0
65°	65044	84	0
70°	57697	46	0
75°	47742	48	39
80°	32595	52	42
85°	14190	57	45



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.4	7.8
10°-20°	509.6	16.8
20°-30°	607.9	20.0
30°-40°	646.8	21.3
40°-50°	472.6	15.5
50°-60°	301.9	9.9
60°-70°	181.7	6.0
70°-80°	70.9	2.3
80°-90°	14.4	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°	1353.8	44.5
0°-40°	2000.7	65.8
0°-60°	2775.1	91.2
0°-90°	3042.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3042.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2864	2864	2864	2864	2864	
5°	2861	2722	2541	2495	2491	272
15°	2770	2363	1666	1298	1267	780
25°	2583	1647	988	900	892	1189
35°	2294	1088	803	803	747	1435
45°	1920	704	687	3	2	1483
55°	1497	556	10	2	0	1332
65°	1006	226	3	2	0	995
75°	503	12	2	2	2	531
85°	75	2	2	2	2	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2864.2	2864.2	2864.2	2864.2	2864.2
2.5°	2870.1	2851.0	2745.1	2701.0	2658.3
5°	2861.3	2721.6	2540.7	2495.1	2490.7
7.5°	2848.0	2590.7	2437.8	2176.1	2065.8
10°	2827.4	2505.4	2114.3	1893.8	1811.4
12.5°	2798.0	2379.0	1762.9	1636.5	1588.0
15°	2770.1	2362.8	1665.9	1298.3	1267.4
17.5°	2717.2	2033.5	1376.2	1220.4	1185.1
20°	2681.9	1883.5	1266.0	1058.6	964.5
22.5°	2634.8	1795.3	1164.5	963.1	926.3
25°	2583.4	1646.8	988.1	899.8	892.5
27.5°	2517.2	1448.3	885.1	876.3	873.4
30°	2448.1	1229.2	855.7	852.8	848.4
32.5°	2373.1	1142.4	829.3	829.3	824.9
35°	2293.7	1088.0	802.8	802.8	746.9
37.5°	2208.4	1018.9	776.3	776.3	561.7
40°	2124.6	873.4	745.5	517.6	379.3
42.5°	2027.6	754.3	719.0	361.7	2.9
45°	1920.2	704.3	686.6	2.9	1.5
47.5°	1818.8	669.0	467.6	1.5	0.0
50°	1710.0	630.8	320.5	1.5	0.0
52.5°	1607.1	595.5	14.7	1.5	0.0
55°	1496.8	555.8	10.3	1.5	0.0
57.5°	1371.8	517.6	8.8	1.5	0.0
60°	1255.7	476.4	7.4	1.5	0.0
62.5°	1127.7	404.3	4.4	1.5	0.0
65°	1005.7	226.4	2.9	1.5	0.0
67.5°	885.1	36.8	2.9	1.5	0.0
70°	752.8	25.0	1.5	1.5	0.0
72.5°	630.8	19.1	1.5	1.5	1.5
75°	502.9	11.8	1.5	1.5	1.5
77.5°	376.4	7.4	1.5	1.5	1.5
80°	258.8	4.4	1.5	1.5	1.5
82.5°	155.9	1.5	1.5	1.5	1.5
85°	75.0	1.5	1.5	1.5	1.5
87.5°	23.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)