

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: P218412

Luminaire Tested: **2SNLED-LD5-32HL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218412
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3231.1 lumens
Efficiency: N/A
Efficacy: 124.8 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

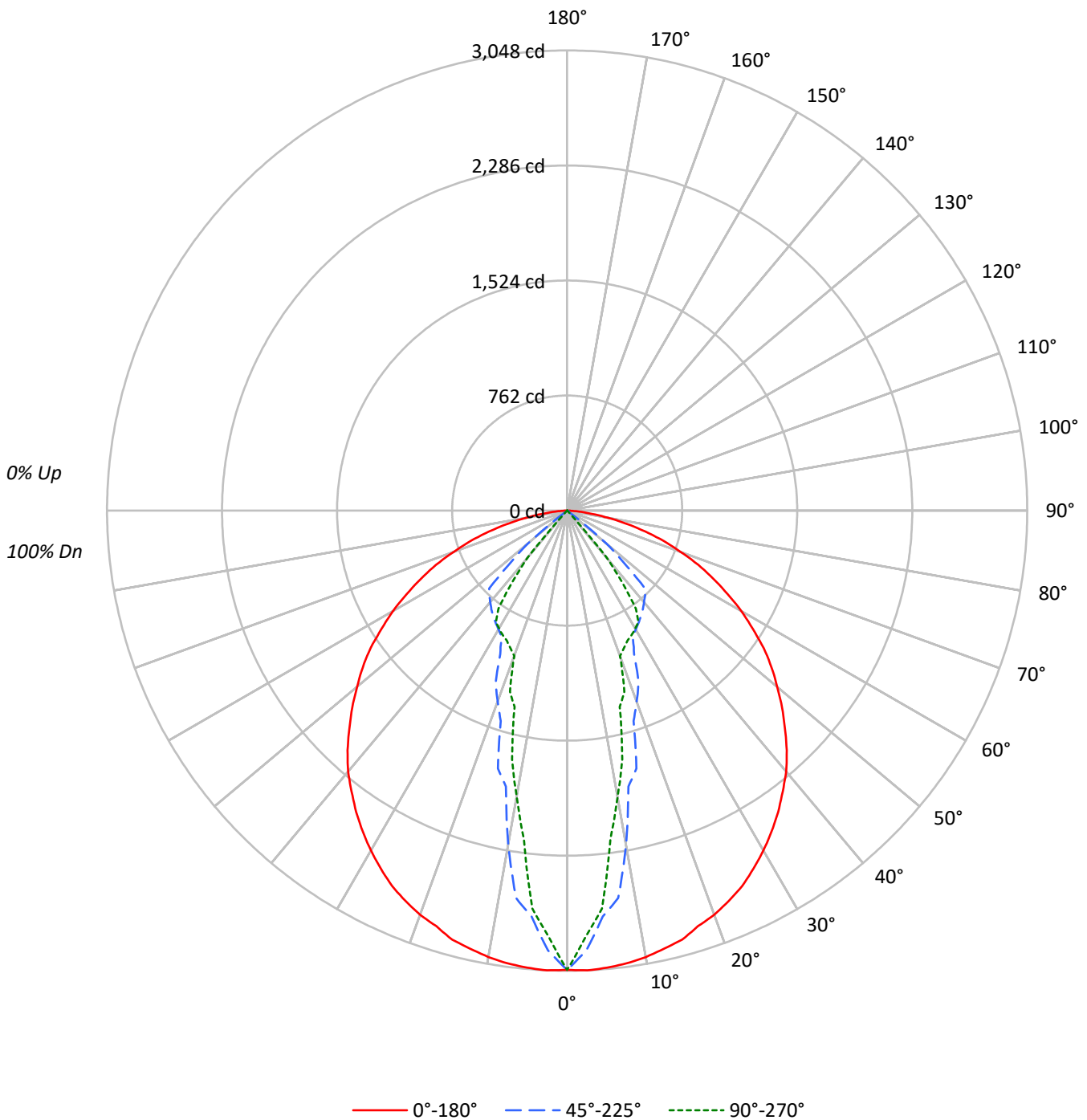
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218412

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218412

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L835-CD1-U

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°	98039	98039	98039
5°	97600	81817	78698
10°	96849	64743	53524
15°	96016	48980	35423
20°	94810	36059	25760
25°	93913	27493	22987
30°	92311	23450	21259
35°	90551	21834	18357
40°	88719	20276	9216
45°	85794	18820	36
50°	82817	8921	0
55°	79808	292	0
60°	75101	216	0
65°	69086	89	0
70°	61284	49	0
75°	50704	52	42
80°	34623	56	45
85°	15060	61	48



TEST NUMBER: P218412

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	7.8
10°-20°	541.2	16.8
20°-30°	645.7	20.0
30°-40°	687.0	21.3
40°-50°	501.9	15.5
50°-60°	320.6	9.9
60°-70°	193.0	6.0
70°-80°	75.3	2.3
80°-90°	15.3	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°	1437.9	44.5
0°-40°	2125.0	65.8
0°-60°	2947.5	91.2
0°-90°	3231.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3231.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3042	3042	3042	3042	3042	
5°	3039	2891	2699	2650	2646	289
15°	2942	2510	1769	1379	1346	829
25°	2744	1749	1049	956	948	1263
35°	2436	1156	853	853	793	1524
45°	2040	748	729	3	2	1575
55°	1590	590	11	2	0	1415
65°	1068	240	3	2	0	1057
75°	534	12	2	2	2	564
85°	80	2	2	2	2	111
90°	0	0	0	0	0	



TEST NUMBER: P218412

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3042.1	3042.1	3042.1	3042.1	3042.1
2.5°	3048.4	3028.1	2915.7	2868.8	2823.5
5°	3039.0	2890.7	2698.6	2650.2	2645.5
7.5°	3025.0	2751.7	2589.3	2311.3	2194.2
10°	3003.1	2661.1	2245.7	2011.4	1924.0
12.5°	2971.9	2526.8	1872.5	1738.1	1686.6
15°	2942.2	2509.6	1769.4	1379.0	1346.2
17.5°	2886.0	2159.8	1461.7	1296.2	1258.7
20°	2848.5	2000.5	1344.6	1124.4	1024.5
22.5°	2798.5	1906.8	1236.8	1022.9	983.9
25°	2743.9	1749.1	1049.4	955.7	947.9
27.5°	2673.6	1538.3	940.1	930.8	927.6
30°	2600.2	1305.6	908.9	905.8	901.1
32.5°	2520.5	1213.4	880.8	880.8	876.1
35°	2436.2	1155.6	852.7	852.7	793.3
37.5°	2345.6	1082.2	824.6	824.6	596.6
40°	2256.6	927.6	791.8	549.7	402.9
42.5°	2153.6	801.1	763.7	384.2	3.1
45°	2039.6	748.0	729.3	3.1	1.6
47.5°	1931.8	710.6	496.6	1.6	0.0
50°	1816.2	670.0	340.4	1.6	0.0
52.5°	1706.9	632.5	15.6	1.6	0.0
55°	1589.8	590.3	10.9	1.6	0.0
57.5°	1457.0	549.7	9.4	1.6	0.0
60°	1333.7	506.0	7.8	1.6	0.0
62.5°	1197.8	429.5	4.7	1.6	0.0
65°	1068.2	240.5	3.1	1.6	0.0
67.5°	940.1	39.0	3.1	1.6	0.0
70°	799.6	26.5	1.6	1.6	0.0
72.5°	670.0	20.3	1.6	1.6	1.6
75°	534.1	12.5	1.6	1.6	1.6
77.5°	399.8	7.8	1.6	1.6	1.6
80°	274.9	4.7	1.6	1.6	1.6
82.5°	165.5	1.6	1.6	1.6	1.6
85°	79.6	1.6	1.6	1.6	1.6
87.5°	25.0	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)