

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: P218430

Luminaire Tested: **4SNLED-LD5-31SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218430
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: 4SNLED-LD5-31SL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3491.0 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

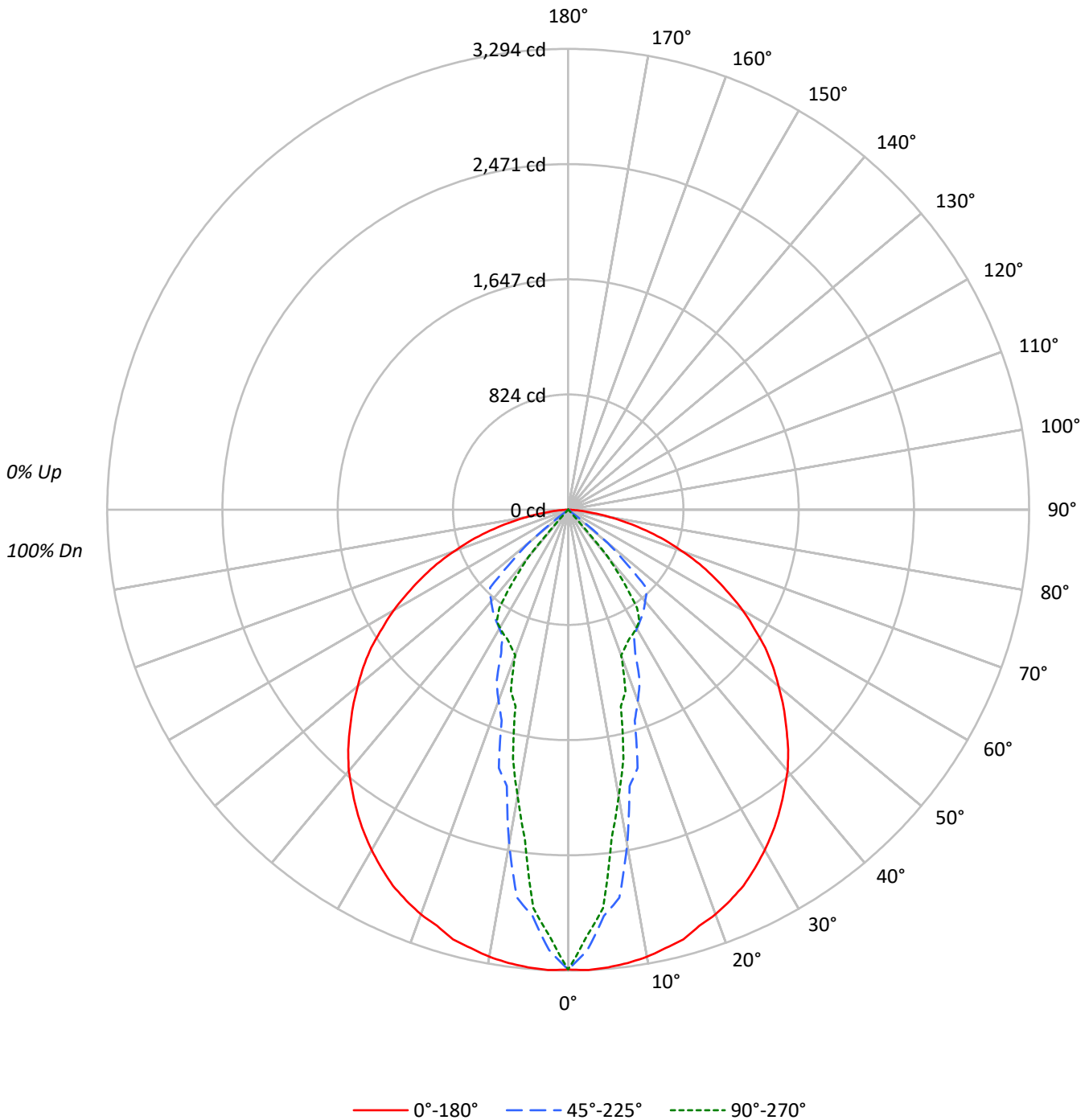
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	52966	52966	52966
5°	52920	44307	42516
10°	52704	35137	28915
15°	52446	26635	19136
20°	51986	19645	13916
25°	51704	15006	12419
30°	51043	12819	11485
35°	50310	11956	9918
40°	49551	11121	4979
45°	48206	10340	19
50°	46863	4910	0
55°	45540	162	0
60°	43308	119	0
65°	40388	50	0
70°	36513	26	0
75°	31086	28	22
80°	22284	30	24
85°	10776	33	25



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.3	7.8
10°-20°	584.8	16.8
20°-30°	697.6	20.0
30°-40°	742.3	21.3
40°-50°	542.3	15.5
50°-60°	346.4	9.9
60°-70°	208.6	6.0
70°-80°	81.3	2.3
80°-90°	16.5	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°	1553.7	44.5
0°-40°	2295.9	65.8
0°-60°	3184.7	91.2
0°-90°	3491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3287	3287	3287	3287	3287	
5°	3284	3123	2916	2863	2858	312
15°	3179	2712	1912	1490	1454	895
25°	2965	1890	1134	1033	1024	1364
35°	2632	1249	921	921	857	1647
45°	2204	808	788	3	2	1702
55°	1718	638	12	2	0	1529
65°	1154	260	3	2	0	1142
75°	577	14	2	2	2	610
85°	86	2	2	2	2	120
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3287.0	3287.0	3287.0	3287.0	3287.0
2.5°	3293.7	3271.8	3150.3	3099.7	3050.7
5°	3283.6	3123.3	2915.7	2863.4	2858.4
7.5°	3268.4	2973.1	2797.6	2497.3	2370.7
10°	3244.8	2875.2	2426.4	2173.3	2078.8
12.5°	3211.0	2730.1	2023.1	1878.0	1822.3
15°	3179.0	2711.6	1911.8	1489.9	1454.5
17.5°	3118.2	2333.6	1579.4	1400.5	1360.0
20°	3077.7	2161.5	1452.8	1214.9	1106.9
22.5°	3023.7	2060.2	1336.4	1105.2	1063.0
25°	2964.7	1889.8	1133.9	1032.7	1024.2
27.5°	2888.7	1662.0	1015.8	1005.7	1002.3
30°	2809.4	1410.6	982.0	978.7	973.6
32.5°	2723.4	1311.1	951.7	951.7	946.6
35°	2632.3	1248.6	921.3	921.3	857.2
37.5°	2534.4	1169.3	890.9	890.9	644.6
40°	2438.2	1002.3	855.5	593.9	435.3
42.5°	2326.9	865.6	825.1	415.1	3.4
45°	2203.7	808.2	788.0	3.4	1.7
47.5°	2087.2	767.7	536.6	1.7	0.0
50°	1962.4	723.9	367.8	1.7	0.0
52.5°	1844.3	683.4	16.9	1.7	0.0
55°	1717.7	637.8	11.8	1.7	0.0
57.5°	1574.3	593.9	10.1	1.7	0.0
60°	1441.0	546.7	8.4	1.7	0.0
62.5°	1294.2	464.0	5.1	1.7	0.0
65°	1154.1	259.9	3.4	1.7	0.0
67.5°	1015.8	42.2	3.4	1.7	0.0
70°	863.9	28.7	1.7	1.7	0.0
72.5°	723.9	21.9	1.7	1.7	1.7
75°	577.1	13.5	1.7	1.7	1.7
77.5°	432.0	8.4	1.7	1.7	1.7
80°	297.0	5.1	1.7	1.7	1.7
82.5°	178.9	1.7	1.7	1.7	1.7
85°	86.1	1.7	1.7	1.7	1.7
87.5°	27.0	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)