

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: P218431

Luminaire Tested: **4SNLED-LD5-35SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218431
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-LD5-35SL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3320.0 lumens
Efficiency: N/A
Efficacy: 133.3 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

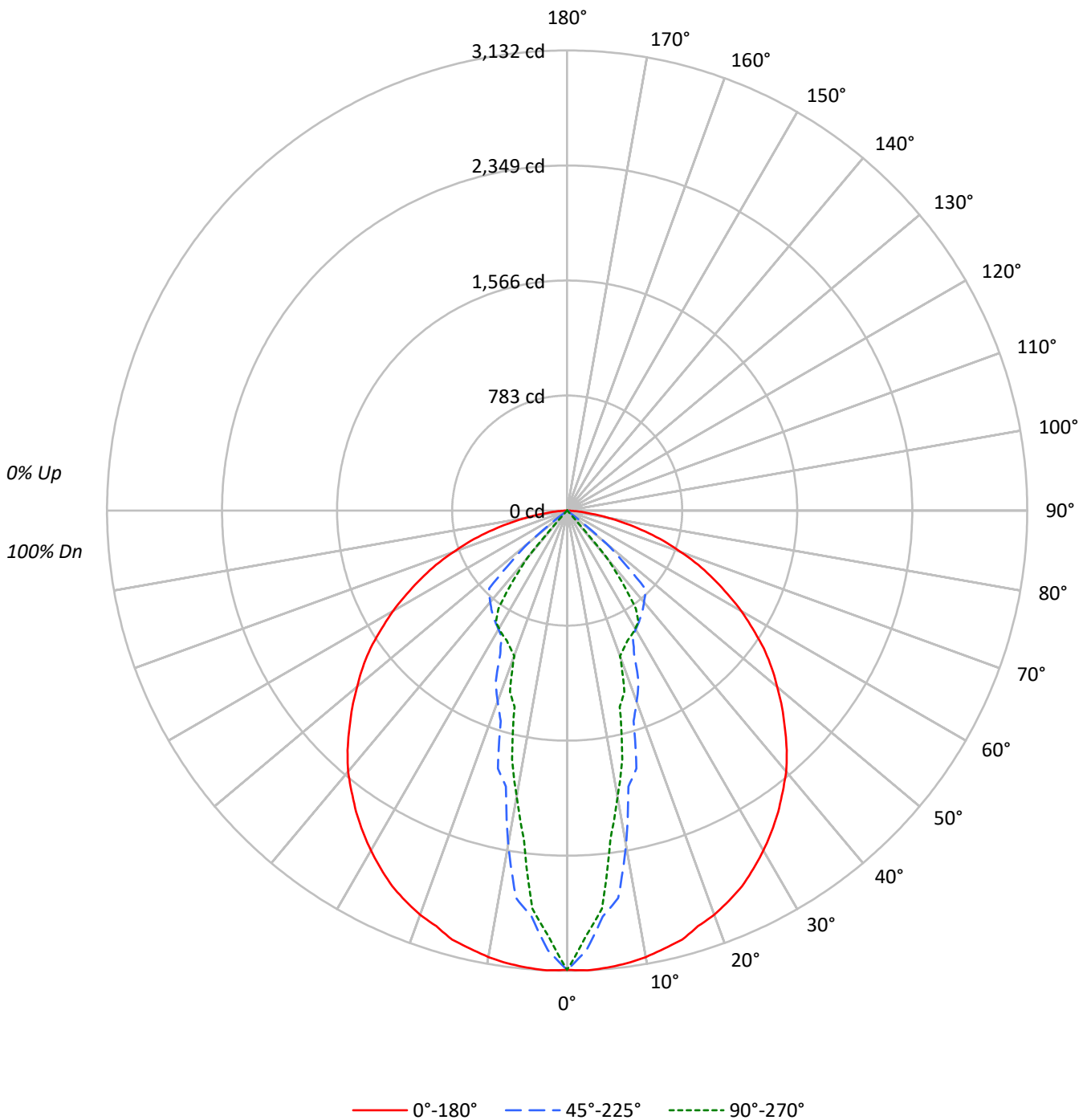
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	50370	50370	50370
5°	50326	42137	40433
10°	50122	33417	27499
15°	49875	25330	18198
20°	49440	18682	13235
25°	49170	14271	11810
30°	48543	12192	10922
35°	47844	11371	9432
40°	47125	10577	4735
45°	45843	9834	18
50°	44568	4670	0
55°	43311	153	0
60°	41186	113	0
65°	38410	47	0
70°	34725	25	0
75°	29561	27	21
80°	21188	29	22
85°	10238	31	24



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.0	7.8
10°-20°	556.1	16.8
20°-30°	663.4	20.0
30°-40°	705.9	21.3
40°-50°	515.8	15.5
50°-60°	329.4	9.9
60°-70°	198.3	6.0
70°-80°	77.3	2.3
80°-90°	15.7	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°	1477.5	44.5
0°-40°	2183.5	65.8
0°-60°	3028.7	91.2
0°-90°	3320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3126	3126	3126	3126	3126	
5°	3123	2970	2773	2723	2718	297
15°	3023	2579	1818	1417	1383	851
25°	2819	1797	1078	982	974	1297
35°	2503	1188	876	876	815	1566
45°	2096	769	749	3	2	1619
55°	1634	607	11	2	0	1454
65°	1098	247	3	2	0	1086
75°	549	13	2	2	2	580
85°	82	2	2	2	2	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3125.9	3125.9	3125.9	3125.9	3125.9
2.5°	3132.4	3111.5	2996.0	2947.8	2901.3
5°	3122.7	2970.3	2772.9	2723.2	2718.4
7.5°	3108.3	2827.5	2660.6	2374.9	2254.6
10°	3085.8	2734.4	2307.6	2066.8	1977.0
12.5°	3053.7	2596.4	1924.0	1786.0	1733.1
15°	3023.2	2578.7	1818.1	1416.9	1383.2
17.5°	2965.5	2219.3	1502.0	1331.9	1293.4
20°	2927.0	2055.6	1381.6	1155.4	1052.7
22.5°	2875.6	1959.3	1270.9	1051.1	1011.0
25°	2819.4	1797.3	1078.4	982.1	974.0
27.5°	2747.2	1580.6	966.0	956.4	953.2
30°	2671.8	1341.5	933.9	930.7	925.9
32.5°	2590.0	1246.8	905.0	905.0	900.2
35°	2503.3	1187.5	876.2	876.2	815.2
37.5°	2410.3	1112.1	847.3	847.3	613.0
40°	2318.8	953.2	813.6	564.9	414.0
42.5°	2212.9	823.2	784.7	394.8	3.2
45°	2095.7	768.6	749.4	3.2	1.6
47.5°	1985.0	730.1	510.3	1.6	0.0
50°	1866.3	688.4	349.8	1.6	0.0
52.5°	1753.9	649.9	16.0	1.6	0.0
55°	1633.6	606.6	11.2	1.6	0.0
57.5°	1497.2	564.9	9.6	1.6	0.0
60°	1370.4	519.9	8.0	1.6	0.0
62.5°	1230.8	441.3	4.8	1.6	0.0
65°	1097.6	247.1	3.2	1.6	0.0
67.5°	966.0	40.1	3.2	1.6	0.0
70°	821.6	27.3	1.6	1.6	0.0
72.5°	688.4	20.9	1.6	1.6	1.6
75°	548.8	12.8	1.6	1.6	1.6
77.5°	410.8	8.0	1.6	1.6	1.6
80°	282.4	4.8	1.6	1.6	1.6
82.5°	170.1	1.6	1.6	1.6	1.6
85°	81.8	1.6	1.6	1.6	1.6
87.5°	25.7	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)