

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: P218316

Luminaire Tested: **4SNLED-LD5-33SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-33SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3495.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

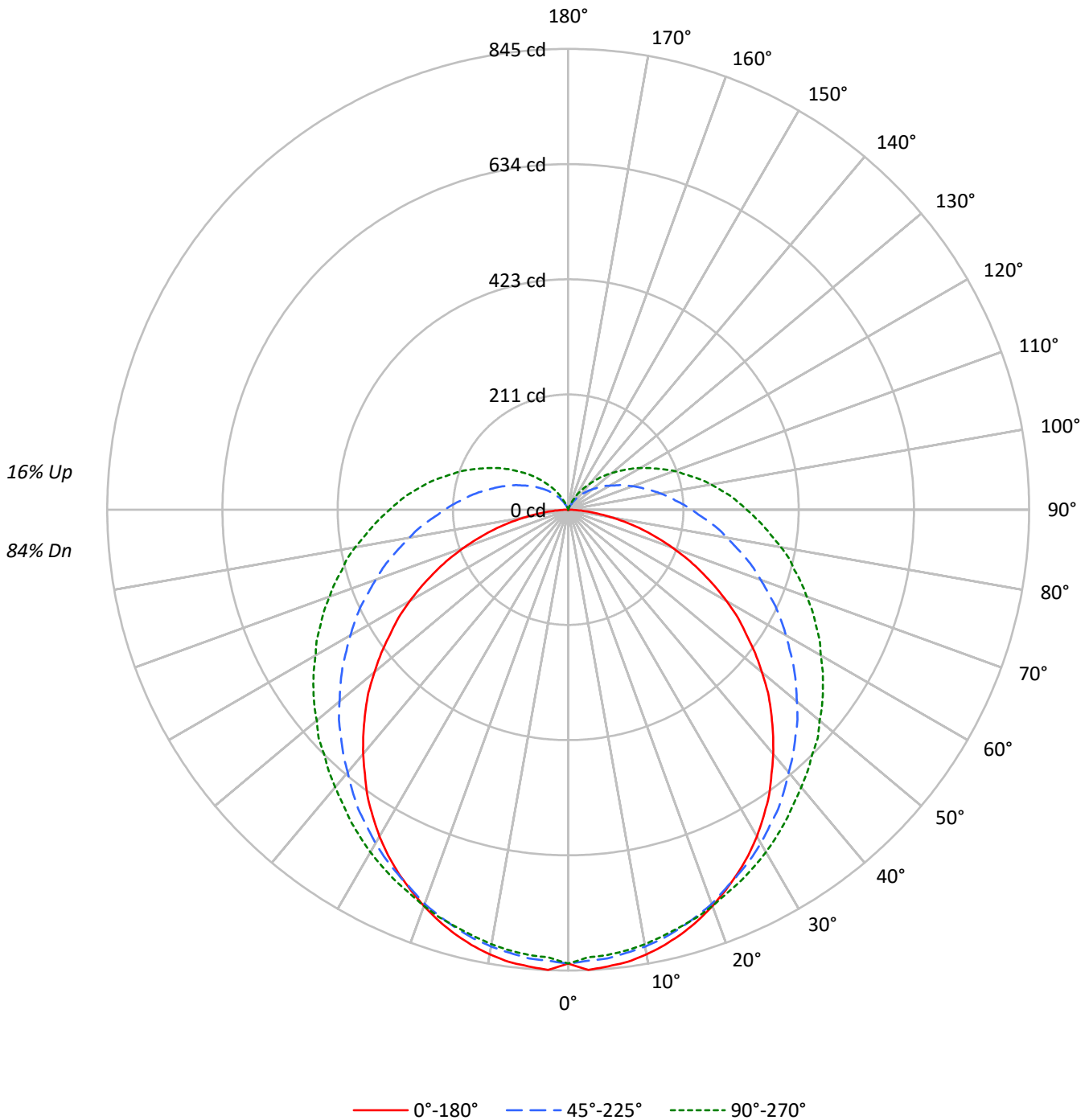
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	65
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13408	13408	13408
5°	13546	12549	12191
10°	13447	11778	11254
15°	13279	11068	10424
20°	13064	10403	9723
25°	12831	9764	9099
30°	12567	9222	8554
35°	12259	8704	8051
40°	11885	8174	7599
45°	11508	7729	7212
50°	11061	7303	6881
55°	10560	6915	6596
60°	10080	6529	6305
65°	9389	6196	6075
70°	8592	5846	5850
75°	7563	5570	5653
80°	5980	5296	5511
85°	3930	5101	5362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	2.3
10°-20°	225.4	6.4
20°-30°	342.5	9.8
30°-40°	419.2	12.0
40°-50°	452.6	12.9
50°-60°	444.3	12.7
60°-70°	400.2	11.5
70°-80°	331.4	9.5
80°-90°	254.9	7.3
90°-100°	192.1	5.5
100°-110°	141.4	4.0
110°-120°	97.5	2.8
120°-130°	61.9	1.8
130°-140°	34.2	1.0
140°-150°	14.8	0.4
150°-160°	3.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	646.7	18.5
0°-40°	1065.9	30.5
0°-60°	1962.8	56.2
0°-90°	2949.3	84.4
90°-120°	431.0	12.3
90°-150°	541.9	15.5
90°-180°	546.0	15.6
0°-180°	3495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	832	832	832	832	832	
5°	840	836	826	826	820	80
15°	805	803	794	799	792	227
25°	736	736	738	752	750	339
35°	641	648	671	692	696	400
45°	526	549	589	625	633	406
55°	398	442	505	556	570	357
65°	268	329	419	482	501	266
75°	140	224	335	407	430	149
85°	31	138	260	338	360	36
90°	0	107	226	304	327	2
95°	2	84	197	272	298	1
105°	0	52	147	214	235	0
115°	0	34	107	161	178	0
125°	0	21	73	115	128	0
135°	0	13	46	76	84	0
145°	0	4	23	42	46	0
155°	0	2	6	13	15	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	832.1	832.1	832.1	832.1	832.1
2.5°	844.7	838.4	827.9	827.9	821.7
5°	840.5	836.3	825.8	825.8	819.6
7.5°	836.3	832.1	819.6	821.7	815.4
10°	827.9	823.7	813.3	815.4	809.1
12.5°	817.5	813.3	804.9	807.0	800.7
15°	804.9	802.8	794.4	798.6	792.3
17.5°	790.2	788.1	781.8	788.1	783.9
20°	773.4	773.4	769.3	777.6	773.4
22.5°	754.6	754.6	752.5	765.1	760.9
25°	735.7	735.7	737.8	752.5	750.4
27.5°	714.8	716.9	723.1	739.9	737.8
30°	691.7	695.9	706.4	725.2	725.2
32.5°	666.5	670.7	687.5	710.6	710.6
35°	641.4	647.7	670.7	691.7	695.9
37.5°	612.0	622.5	649.8	674.9	679.1
40°	584.8	599.5	628.8	658.2	664.4
42.5°	555.5	574.3	610.0	643.5	649.8
45°	526.1	549.2	589.0	624.6	633.0
47.5°	496.8	521.9	570.1	607.9	620.4
50°	463.2	494.7	547.1	591.1	601.6
52.5°	431.8	467.4	526.1	572.2	586.9
55°	398.3	442.3	505.1	555.5	570.1
57.5°	368.9	412.9	482.1	538.7	553.4
60°	335.4	383.6	461.1	517.7	534.5
62.5°	301.8	358.4	440.2	501.0	519.8
65°	268.3	329.1	419.2	482.1	501.0
67.5°	236.9	301.8	396.2	463.2	484.2
70°	203.3	274.6	375.2	444.4	465.3
72.5°	171.9	249.4	356.3	425.5	448.6
75°	140.4	224.3	335.4	406.6	429.7
77.5°	111.1	201.2	314.4	389.9	415.0
80°	79.7	178.2	295.5	371.0	396.2
82.5°	54.5	157.2	278.8	354.2	377.3
85°	31.4	138.3	259.9	337.5	360.5
87.5°	12.6	121.6	241.0	318.6	343.8
90°	0.0	106.9	226.4	303.9	327.0
92.5°	0.0	94.3	211.7	287.2	312.3
95°	2.1	83.8	197.0	272.5	297.6
97.5°	0.0	73.4	184.5	257.8	280.9
100°	0.0	67.1	171.9	243.1	266.2
102.5°	0.0	58.7	159.3	228.5	251.5
105°	0.0	52.4	146.7	213.8	234.8
107.5°	0.0	48.2	136.2	201.2	220.1
110°	0.0	41.9	125.8	188.6	207.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.7	115.3	174.0	192.8
115°	0.0	33.5	106.9	161.4	178.2
117.5°	0.0	31.4	96.4	148.8	165.6
120°	0.0	27.2	88.0	138.3	153.0
122.5°	0.0	25.2	81.7	125.8	140.4
125°	0.0	21.0	73.4	115.3	127.9
127.5°	0.0	18.9	65.0	104.8	115.3
130°	0.0	16.8	58.7	94.3	104.8
132.5°	0.0	14.7	52.4	83.8	94.3
135°	0.0	12.6	46.1	75.5	83.8
137.5°	0.0	10.5	39.8	65.0	73.4
140°	0.0	8.4	33.5	56.6	62.9
142.5°	0.0	6.3	29.3	48.2	54.5
145°	0.0	4.2	23.1	41.9	46.1
147.5°	0.0	4.2	18.9	33.5	37.7
150°	0.0	2.1	12.6	27.2	29.3
152.5°	0.0	2.1	10.5	21.0	21.0
155°	0.0	2.1	6.3	12.6	14.7
157.5°	0.0	0.0	4.2	8.4	8.4
160°	0.0	0.0	2.1	4.2	6.3
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)