

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: P218318

Luminaire Tested: **4SNLED-LD5-33SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218318
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3857.0 lumens
Efficiency: N/A
Efficacy: 139.2 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

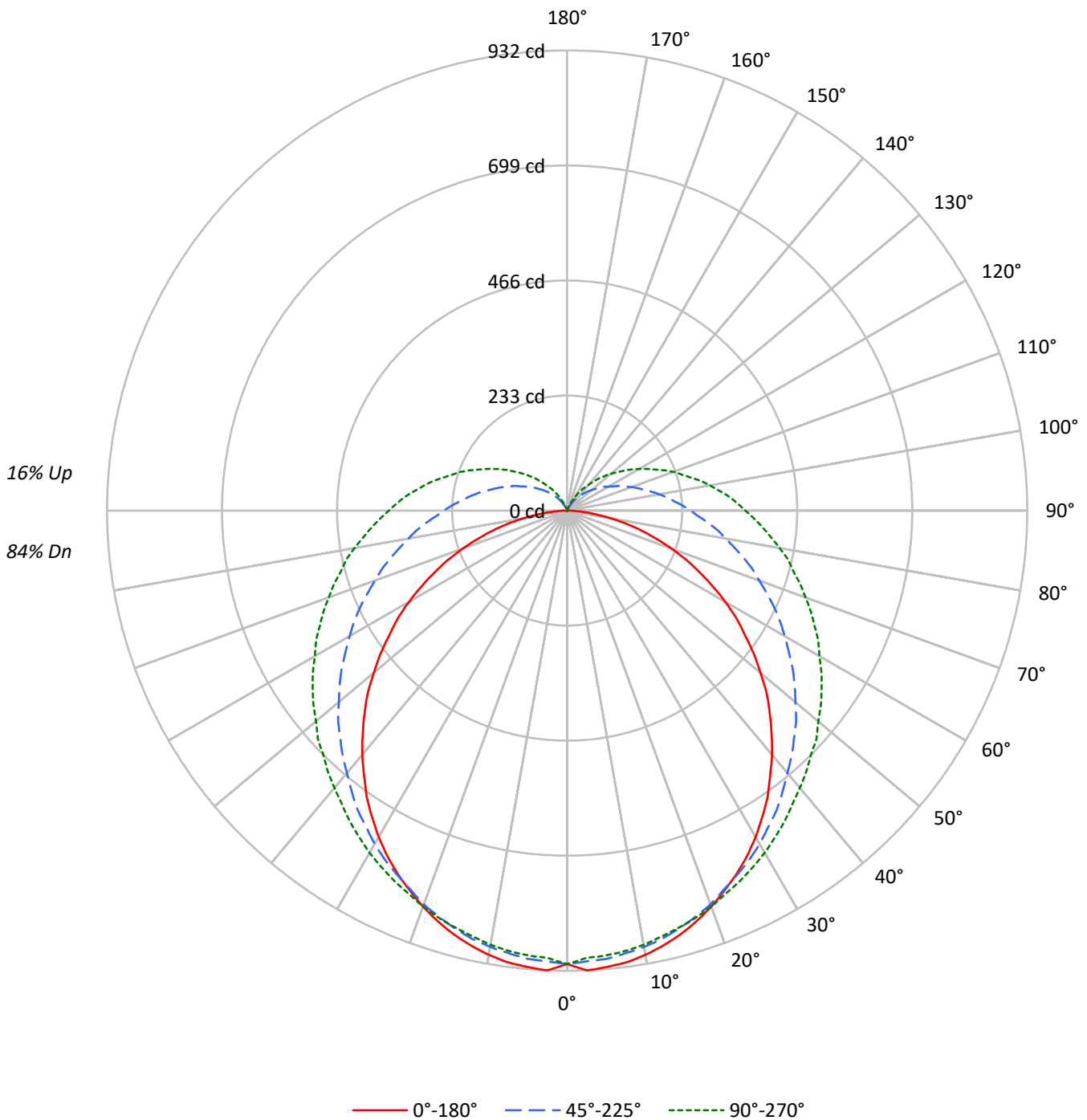
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	64
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°	14797	14797	14797
5°	14950	13850	13452
10°	14841	12997	12420
15°	14655	12214	11504
20°	14418	11479	10731
25°	14159	10775	10041
30°	13868	10176	9442
35°	13528	9606	8886
40°	13116	9020	8387
45°	12701	8529	7960
50°	12208	8059	7593
55°	11652	7633	7280
60°	11123	7206	6958
65°	10362	6837	6703
70°	9484	6452	6456
75°	8349	6146	6239
80°	6595	5846	6081
85°	4343	5629	5918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	2.3
10°-20°	248.7	6.4
20°-30°	378.0	9.8
30°-40°	462.6	12.0
40°-50°	499.5	12.9
50°-60°	490.4	12.7
60°-70°	441.6	11.5
70°-80°	365.7	9.5
80°-90°	281.3	7.3
90°-100°	212.0	5.5
100°-110°	156.0	4.0
110°-120°	107.6	2.8
120°-130°	68.3	1.8
130°-140°	37.8	1.0
140°-150°	16.4	0.4
150°-160°	4.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	713.7	18.5
0°-40°	1176.3	30.5
0°-60°	2166.1	56.2
0°-90°	3254.7	84.4
90°-120°	475.7	12.3
90°-150°	598.1	15.5
90°-180°	602.0	15.6
0°-180°	3857.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	928	923	911	911	904	88
15°	888	886	877	881	874	250
25°	812	812	814	830	828	374
35°	708	715	740	763	768	442
45°	581	606	650	689	699	448
55°	440	488	558	613	629	394
65°	296	363	463	532	553	294
75°	155	248	370	449	474	164
85°	35	153	287	372	398	40
90°	0	118	250	335	361	2
95°	2	92	217	301	328	1
105°	0	58	162	236	259	0
115°	0	37	118	178	197	0
125°	0	23	81	127	141	0
135°	0	14	51	83	92	0
145°	0	5	25	46	51	0
155°	0	2	7	14	16	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°	918.3	918.3	918.3	918.3	918.3
2.5°	932.2	925.3	913.7	913.7	906.8
5°	927.6	922.9	911.4	911.4	904.4
7.5°	922.9	918.3	904.4	906.8	899.8
10°	913.7	909.1	897.5	899.8	892.9
12.5°	902.1	897.5	888.3	890.6	883.6
15°	888.3	885.9	876.7	881.3	874.4
17.5°	872.1	869.7	862.8	869.7	865.1
20°	853.6	853.6	848.9	858.2	853.6
22.5°	832.7	832.7	830.4	844.3	839.7
25°	811.9	811.9	814.2	830.4	828.1
27.5°	788.8	791.1	798.0	816.5	814.2
30°	763.3	768.0	779.5	800.4	800.4
32.5°	735.6	740.2	758.7	784.2	784.2
35°	707.8	714.8	740.2	763.3	768.0
37.5°	675.4	687.0	717.1	744.8	749.5
40°	645.4	661.6	693.9	726.3	733.3
42.5°	613.0	633.8	673.1	710.1	717.1
45°	580.6	606.0	650.0	689.3	698.6
47.5°	548.2	576.0	629.2	670.8	684.7
50°	511.2	545.9	603.7	652.3	663.9
52.5°	476.5	515.8	580.6	631.5	647.7
55°	439.5	488.1	557.5	613.0	629.2
57.5°	407.1	455.7	532.0	594.5	610.7
60°	370.1	423.3	508.9	571.3	589.9
62.5°	333.1	395.5	485.8	552.8	573.7
65°	296.1	363.2	462.6	532.0	552.8
67.5°	261.4	333.1	437.2	511.2	534.3
70°	224.4	303.0	414.1	490.4	513.5
72.5°	189.7	275.3	393.2	469.6	495.0
75°	155.0	247.5	370.1	448.8	474.2
77.5°	122.6	222.1	347.0	430.2	458.0
80°	87.9	196.6	326.2	409.4	437.2
82.5°	60.1	173.5	307.6	390.9	416.4
85°	34.7	152.7	286.8	372.4	397.9
87.5°	13.9	134.2	266.0	351.6	379.4
90°	0.0	118.0	249.8	335.4	360.9
92.5°	0.0	104.1	233.6	316.9	344.7
95°	2.3	92.5	217.4	300.7	328.5
97.5°	0.0	81.0	203.6	284.5	310.0
100°	0.0	74.0	189.7	268.3	293.8
102.5°	0.0	64.8	175.8	252.1	277.6
105°	0.0	57.8	161.9	235.9	259.1
107.5°	0.0	53.2	150.4	222.1	242.9
110°	0.0	46.3	138.8	208.2	229.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.6	127.2	192.0	212.8
115°	0.0	37.0	118.0	178.1	196.6
117.5°	0.0	34.7	106.4	164.2	182.7
120°	0.0	30.1	97.2	152.7	168.9
122.5°	0.0	27.8	90.2	138.8	155.0
125°	0.0	23.1	81.0	127.2	141.1
127.5°	0.0	20.8	71.7	115.7	127.2
130°	0.0	18.5	64.8	104.1	115.7
132.5°	0.0	16.2	57.8	92.5	104.1
135°	0.0	13.9	50.9	83.3	92.5
137.5°	0.0	11.6	43.9	71.7	81.0
140°	0.0	9.3	37.0	62.5	69.4
142.5°	0.0	6.9	32.4	53.2	60.1
145°	0.0	4.6	25.4	46.3	50.9
147.5°	0.0	4.6	20.8	37.0	41.6
150°	0.0	2.3	13.9	30.1	32.4
152.5°	0.0	2.3	11.6	23.1	23.1
155°	0.0	2.3	6.9	13.9	16.2
157.5°	0.0	0.0	4.6	9.3	9.3
160°	0.0	0.0	2.3	4.6	6.9
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)