

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: P218320

Luminaire Tested: **4SNLED-LD5-37SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218320
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-LD5-37SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3805.0 lumens
Efficiency: N/A
Efficacy: 124.3 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

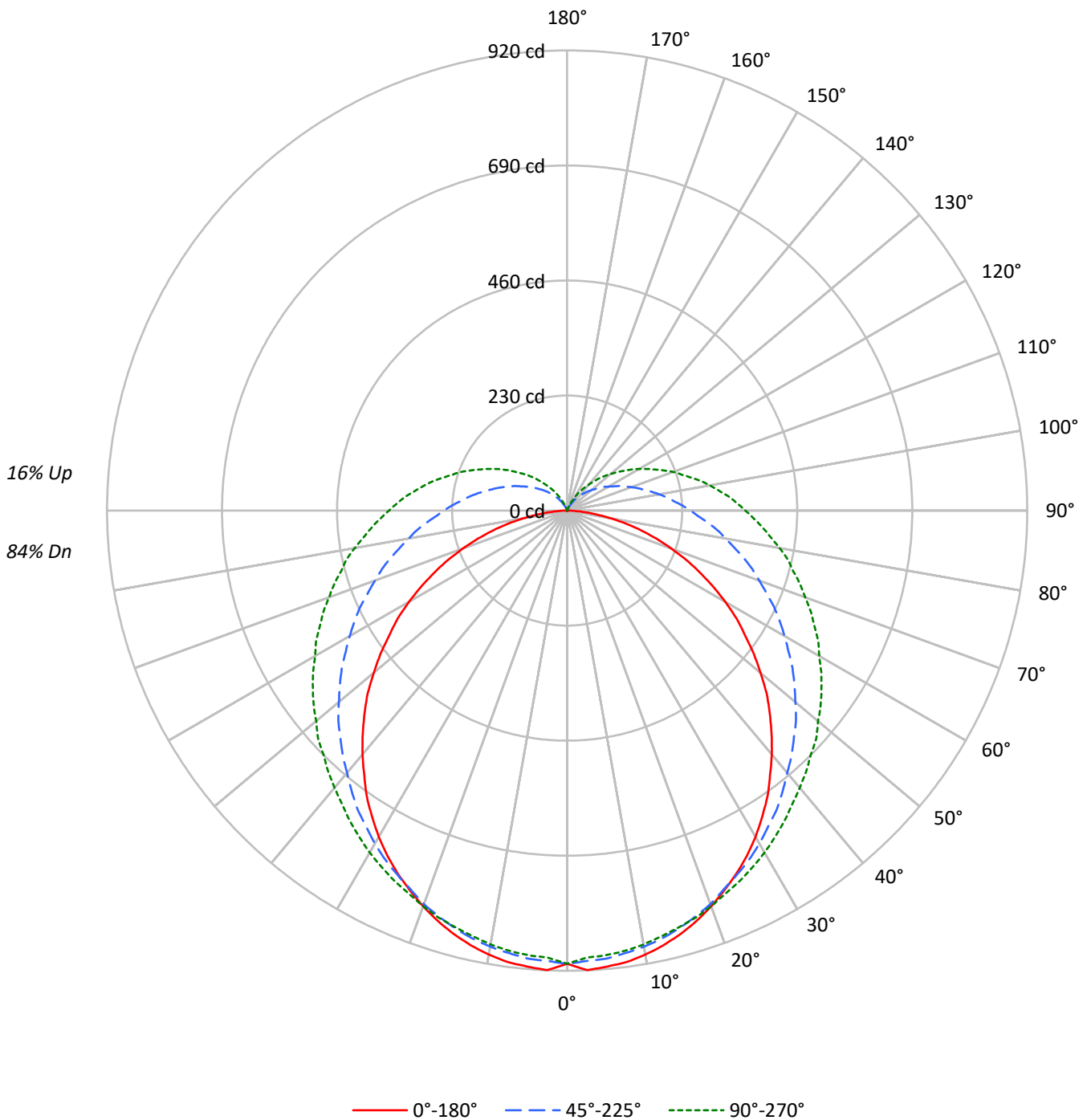
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	14597	14597	14597
5°	14748	13663	13272
10°	14641	12822	12252
15°	14457	12050	11349
20°	14222	11325	10586
25°	13969	10631	9905
30°	13683	10039	9314
35°	13346	9476	8765
40°	12940	8900	8274
45°	12530	8414	7853
50°	12043	7951	7490
55°	11496	7530	7181
60°	10973	7109	6864
65°	10222	6746	6613
70°	9357	6365	6369
75°	8236	6063	6155
80°	6505	5767	5999
85°	4280	5555	5838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	2.3
10°-20°	245.3	6.4
20°-30°	372.9	9.8
30°-40°	456.4	12.0
40°-50°	492.7	12.9
50°-60°	483.8	12.7
60°-70°	435.7	11.5
70°-80°	360.8	9.5
80°-90°	277.5	7.3
90°-100°	209.2	5.5
100°-110°	153.9	4.0
110°-120°	106.2	2.8
120°-130°	67.3	1.8
130°-140°	37.3	1.0
140°-150°	16.1	0.4
150°-160°	4.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	704.0	18.5
0°-40°	1160.4	30.5
0°-60°	2136.9	56.2
0°-90°	3210.9	84.4
90°-120°	469.3	12.3
90°-150°	590.0	15.5
90°-180°	594.0	15.6
0°-180°	3805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	915	910	899	899	892	87
15°	876	874	865	869	863	247
25°	801	801	803	819	817	369
35°	698	705	730	753	758	436
45°	573	598	641	680	689	442
55°	434	482	550	605	621	389
65°	292	358	456	525	545	290
75°	153	244	365	443	468	162
85°	34	151	283	367	392	39
90°	0	116	246	331	356	2
95°	2	91	214	297	324	1
105°	0	57	160	233	256	0
115°	0	36	116	176	194	0
125°	0	23	80	126	139	0
135°	0	14	50	82	91	0
145°	0	5	25	46	50	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°	905.9	905.9	905.9	905.9	905.9
2.5°	919.6	912.8	901.4	901.4	894.5
5°	915.1	910.5	899.1	899.1	892.3
7.5°	910.5	905.9	892.3	894.5	887.7
10°	901.4	896.8	885.4	887.7	880.8
12.5°	890.0	885.4	876.3	878.6	871.7
15°	876.3	874.0	864.9	869.4	862.6
17.5°	860.3	858.0	851.2	858.0	853.5
20°	842.0	842.0	837.5	846.6	842.0
22.5°	821.5	821.5	819.2	832.9	828.4
25°	801.0	801.0	803.3	819.2	816.9
27.5°	778.2	780.4	787.3	805.5	803.3
30°	753.1	757.6	769.0	789.6	789.6
32.5°	725.7	730.2	748.5	773.6	773.6
35°	698.3	705.1	730.2	753.1	757.6
37.5°	666.3	677.7	707.4	734.8	739.4
40°	636.7	652.6	684.6	716.5	723.4
42.5°	604.7	625.3	664.1	700.6	707.4
45°	572.8	597.9	641.2	680.0	689.2
47.5°	540.8	568.2	620.7	661.8	675.5
50°	504.3	538.5	595.6	643.5	654.9
52.5°	470.1	508.9	572.8	623.0	639.0
55°	433.6	481.5	550.0	604.7	620.7
57.5°	401.6	449.5	524.9	586.5	602.4
60°	365.1	417.6	502.0	563.6	581.9
62.5°	328.6	390.2	479.2	545.4	565.9
65°	292.1	358.3	456.4	524.9	545.4
67.5°	257.9	328.6	431.3	504.3	527.1
70°	221.4	298.9	408.5	483.8	506.6
72.5°	187.1	271.6	387.9	463.2	488.3
75°	152.9	244.2	365.1	442.7	467.8
77.5°	120.9	219.1	342.3	424.4	451.8
80°	86.7	194.0	321.8	403.9	431.3
82.5°	59.3	171.1	303.5	385.7	410.8
85°	34.2	150.6	283.0	367.4	392.5
87.5°	13.7	132.4	262.4	346.9	374.2
90°	0.0	116.4	246.5	330.9	356.0
92.5°	0.0	102.7	230.5	312.6	340.0
95°	2.3	91.3	214.5	296.7	324.0
97.5°	0.0	79.9	200.8	280.7	305.8
100°	0.0	73.0	187.1	264.7	289.8
102.5°	0.0	63.9	173.4	248.7	273.8
105°	0.0	57.0	159.7	232.8	255.6
107.5°	0.0	52.5	148.3	219.1	239.6
110°	0.0	45.6	136.9	205.4	225.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.1	125.5	189.4	209.9
115°	0.0	36.5	116.4	175.7	194.0
117.5°	0.0	34.2	105.0	162.0	180.3
120°	0.0	29.7	95.8	150.6	166.6
122.5°	0.0	27.4	89.0	136.9	152.9
125°	0.0	22.8	79.9	125.5	139.2
127.5°	0.0	20.5	70.7	114.1	125.5
130°	0.0	18.3	63.9	102.7	114.1
132.5°	0.0	16.0	57.0	91.3	102.7
135°	0.0	13.7	50.2	82.2	91.3
137.5°	0.0	11.4	43.4	70.7	79.9
140°	0.0	9.1	36.5	61.6	68.5
142.5°	0.0	6.8	31.9	52.5	59.3
145°	0.0	4.6	25.1	45.6	50.2
147.5°	0.0	4.6	20.5	36.5	41.1
150°	0.0	2.3	13.7	29.7	31.9
152.5°	0.0	2.3	11.4	22.8	22.8
155°	0.0	2.3	6.8	13.7	16.0
157.5°	0.0	0.0	4.6	9.1	9.1
160°	0.0	0.0	2.3	4.6	6.8
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)