

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: P218311

Luminaire Tested: **4SNLED-LD5-30SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218311
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-LD5-30SL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2999.0 lumens
Efficiency: N/A
Efficacy: 120.4 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

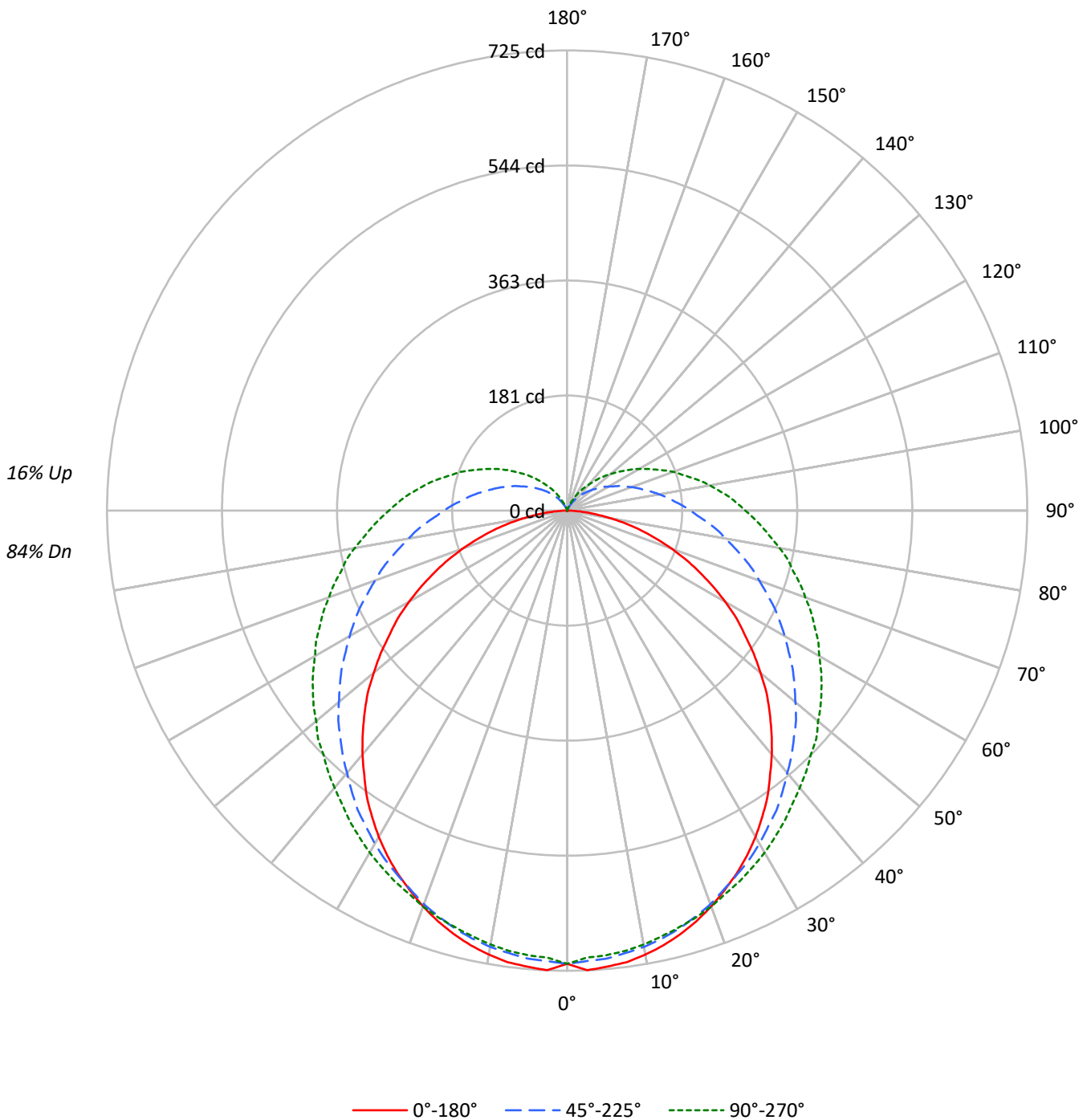
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	11505	11505	11505
5°	11623	10768	10459
10°	11539	10106	9657
15°	11395	9498	8945
20°	11211	8926	8344
25°	11010	8378	7807
30°	10783	7912	7341
35°	10519	7469	6908
40°	10198	7015	6522
45°	9874	6632	6189
50°	9492	6266	5904
55°	9059	5935	5660
60°	8650	5603	5410
65°	8056	5316	5213
70°	7375	5015	5020
75°	6491	4779	4851
80°	5125	4545	4728
85°	3379	4377	4602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	2.3
10°-20°	193.4	6.4
20°-30°	293.9	9.8
30°-40°	359.7	12.0
40°-50°	388.4	12.9
50°-60°	381.3	12.7
60°-70°	343.4	11.5
70°-80°	284.3	9.5
80°-90°	218.7	7.3
90°-100°	164.9	5.5
100°-110°	121.3	4.0
110°-120°	83.7	2.8
120°-130°	53.1	1.8
130°-140°	29.4	1.0
140°-150°	12.7	0.4
150°-160°	3.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	554.9	18.5
0°-40°	914.6	30.5
0°-60°	1684.3	56.2
0°-90°	2530.7	84.4
90°-120°	369.9	12.3
90°-150°	465.1	15.5
90°-180°	468.0	15.6
0°-180°	2999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	714	714	714	714	714	
5°	721	718	709	709	703	69
15°	691	689	682	685	680	195
25°	631	631	633	646	644	291
35°	550	556	576	594	597	344
45°	451	471	505	536	543	348
55°	342	380	434	477	489	307
65°	230	282	360	414	430	228
75°	120	192	288	349	369	128
85°	27	119	223	290	309	31
90°	0	92	194	261	281	1
95°	2	72	169	234	255	0
105°	0	45	126	184	201	0
115°	0	29	92	138	153	0
125°	0	18	63	99	110	0
135°	0	11	40	65	72	0
145°	0	4	20	36	40	0
155°	0	2	5	11	13	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°	714.0	714.0	714.0	714.0	714.0
2.5°	724.8	719.4	710.4	710.4	705.0
5°	721.2	717.6	708.6	708.6	703.2
7.5°	717.6	714.0	703.2	705.0	699.7
10°	710.4	706.8	697.9	699.7	694.3
12.5°	701.4	697.9	690.7	692.5	687.1
15°	690.7	688.9	681.7	685.3	679.9
17.5°	678.1	676.3	670.9	676.3	672.7
20°	663.7	663.7	660.1	667.3	663.7
22.5°	647.5	647.5	645.7	656.5	652.9
25°	631.3	631.3	633.1	645.7	643.9
27.5°	613.3	615.1	620.5	634.9	633.1
30°	593.5	597.1	606.1	622.3	622.3
32.5°	572.0	575.5	589.9	609.7	609.7
35°	550.4	555.8	575.5	593.5	597.1
37.5°	525.2	534.2	557.6	579.1	582.7
40°	501.8	514.4	539.6	564.8	570.2
42.5°	476.6	492.8	523.4	552.2	557.6
45°	451.4	471.2	505.4	536.0	543.2
47.5°	426.3	447.8	489.2	521.6	532.4
50°	397.5	424.5	469.4	507.2	516.2
52.5°	370.5	401.1	451.4	491.0	503.6
55°	341.7	379.5	433.5	476.6	489.2
57.5°	316.6	354.3	413.7	462.2	474.8
60°	287.8	329.1	395.7	444.3	458.6
62.5°	259.0	307.6	377.7	429.9	446.0
65°	230.2	282.4	359.7	413.7	429.9
67.5°	203.2	259.0	339.9	397.5	415.5
70°	174.5	235.6	321.9	381.3	399.3
72.5°	147.5	214.0	305.8	365.1	384.9
75°	120.5	192.4	287.8	348.9	368.7
77.5°	95.3	172.7	269.8	334.5	356.1
80°	68.3	152.9	253.6	318.4	339.9
82.5°	46.8	134.9	239.2	304.0	323.7
85°	27.0	118.7	223.0	289.6	309.4
87.5°	10.8	104.3	206.8	273.4	295.0
90°	0.0	91.7	194.2	260.8	280.6
92.5°	0.0	80.9	181.7	246.4	268.0
95°	1.8	71.9	169.1	233.8	255.4
97.5°	0.0	63.0	158.3	221.2	241.0
100°	0.0	57.6	147.5	208.6	228.4
102.5°	0.0	50.4	136.7	196.0	215.8
105°	0.0	45.0	125.9	183.5	201.4
107.5°	0.0	41.4	116.9	172.7	188.9
110°	0.0	36.0	107.9	161.9	178.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.4	98.9	149.3	165.5
115°	0.0	28.8	91.7	138.5	152.9
117.5°	0.0	27.0	82.7	127.7	142.1
120°	0.0	23.4	75.5	118.7	131.3
122.5°	0.0	21.6	70.1	107.9	120.5
125°	0.0	18.0	63.0	98.9	109.7
127.5°	0.0	16.2	55.8	89.9	98.9
130°	0.0	14.4	50.4	80.9	89.9
132.5°	0.0	12.6	45.0	71.9	80.9
135°	0.0	10.8	39.6	64.7	71.9
137.5°	0.0	9.0	34.2	55.8	63.0
140°	0.0	7.2	28.8	48.6	54.0
142.5°	0.0	5.4	25.2	41.4	46.8
145°	0.0	3.6	19.8	36.0	39.6
147.5°	0.0	3.6	16.2	28.8	32.4
150°	0.0	1.8	10.8	23.4	25.2
152.5°	0.0	1.8	9.0	18.0	18.0
155°	0.0	1.8	5.4	10.8	12.6
157.5°	0.0	0.0	3.6	7.2	7.2
160°	0.0	0.0	1.8	3.6	5.4
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)