

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: P218313

Luminaire Tested: **4SNLED-LD5-30SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218313
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3249.0 lumens
Efficiency: N/A
Efficacy: 130.5 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

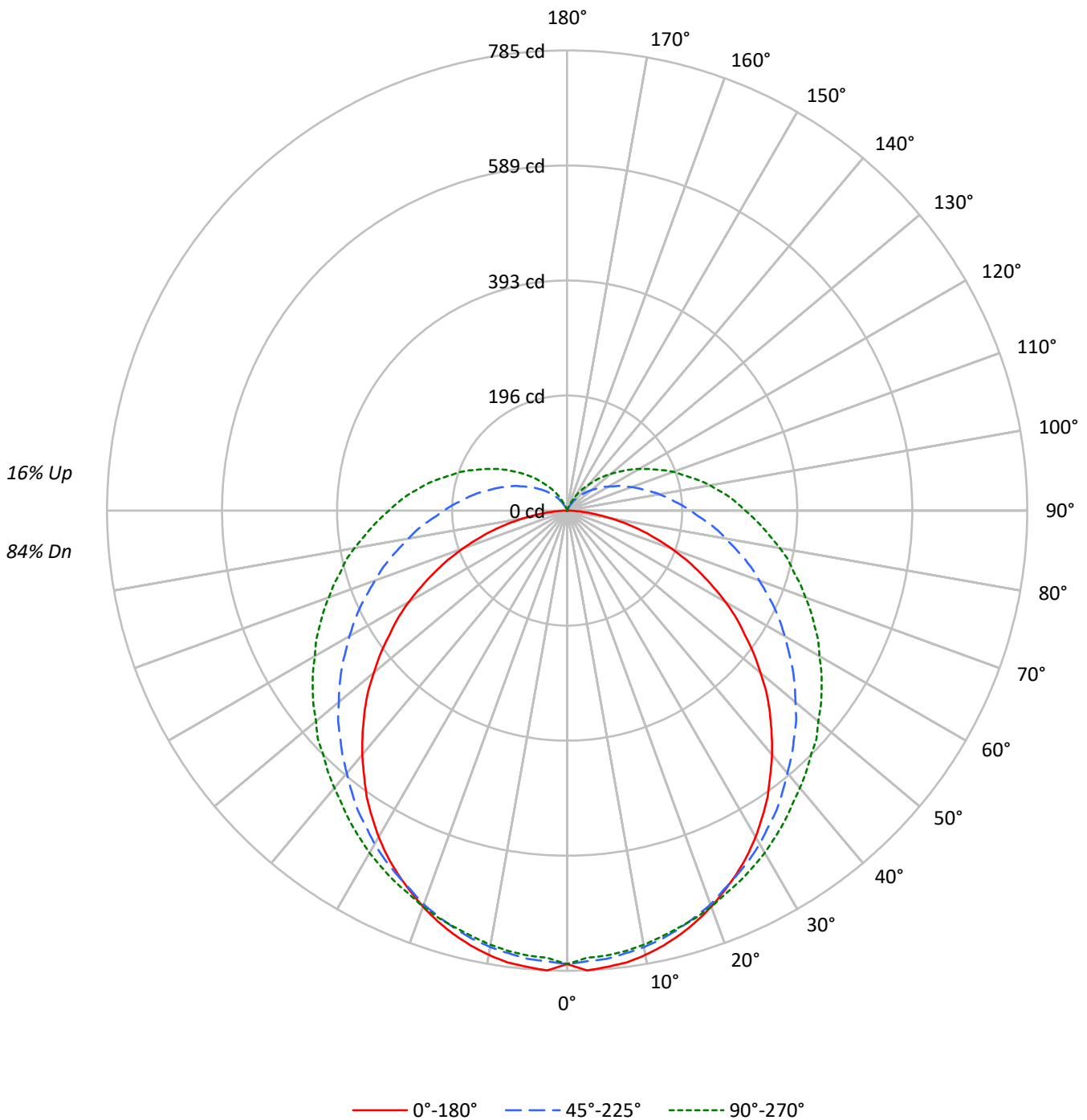
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	12466	12466	12466
5°	12593	11666	11332
10°	12502	10948	10461
15°	12343	10289	9690
20°	12145	9670	9039
25°	11927	9077	8459
30°	11682	8573	7953
35°	11395	8091	7485
40°	11048	7600	7065
45°	10699	7184	6705
50°	10283	6789	6396
55°	9815	6429	6132
60°	9371	6071	5861
65°	8728	5760	5647
70°	7988	5434	5439
75°	7035	5178	5255
80°	5552	4923	5123
85°	3655	4742	4984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	2.3
10°-20°	209.5	6.4
20°-30°	318.4	9.8
30°-40°	389.7	12.0
40°-50°	420.7	12.9
50°-60°	413.1	12.7
60°-70°	372.0	11.5
70°-80°	308.1	9.5
80°-90°	236.9	7.3
90°-100°	178.6	5.5
100°-110°	131.4	4.0
110°-120°	90.7	2.8
120°-130°	57.5	1.8
130°-140°	31.8	1.0
140°-150°	13.8	0.4
150°-160°	3.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	601.2	18.5
0°-40°	990.9	30.5
0°-60°	1824.7	56.2
0°-90°	2741.7	84.4
90°-120°	400.7	12.3
90°-150°	503.8	15.5
90°-180°	507.0	15.6
0°-180°	3249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	781	778	768	768	762	74
15°	748	746	738	742	736	211
25°	684	684	686	700	698	315
35°	596	602	624	643	647	372
45°	489	510	548	581	588	377
55°	370	411	470	516	530	332
65°	249	306	390	448	466	248
75°	131	208	312	378	399	138
85°	29	129	242	314	335	33
90°	0	99	210	282	304	2
95°	2	78	183	253	277	1
105°	0	49	136	199	218	0
115°	0	31	99	150	166	0
125°	0	20	68	107	119	0
135°	0	12	43	70	78	0
145°	0	4	21	39	43	0
155°	0	2	6	12	14	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°	773.6	773.6	773.6	773.6	773.6
2.5°	785.3	779.4	769.7	769.7	763.8
5°	781.4	777.5	767.7	767.7	761.9
7.5°	777.5	773.6	761.9	763.8	758.0
10°	769.7	765.8	756.0	758.0	752.1
12.5°	759.9	756.0	748.2	750.2	744.3
15°	748.2	746.3	738.5	742.4	736.5
17.5°	734.6	732.6	726.8	732.6	728.7
20°	719.0	719.0	715.1	722.9	719.0
22.5°	701.5	701.5	699.5	711.2	707.3
25°	683.9	683.9	685.9	699.5	697.6
27.5°	664.4	666.4	672.2	687.8	685.9
30°	643.0	646.9	656.7	674.2	674.2
32.5°	619.6	623.5	639.1	660.5	660.5
35°	596.2	602.1	623.5	643.0	646.9
37.5°	569.0	578.7	604.0	627.4	631.3
40°	543.6	557.3	584.6	611.8	617.7
42.5°	516.4	533.9	567.0	598.2	604.0
45°	489.1	510.5	547.5	580.7	588.5
47.5°	461.8	485.2	530.0	565.1	576.8
50°	430.6	459.9	508.6	549.5	559.2
52.5°	401.4	434.5	489.1	531.9	545.6
55°	370.2	411.1	469.6	516.4	530.0
57.5°	342.9	383.9	448.2	500.8	514.4
60°	311.8	356.6	428.7	481.3	496.9
62.5°	280.6	333.2	409.2	465.7	483.2
65°	249.4	305.9	389.7	448.2	465.7
67.5°	220.2	280.6	368.3	430.6	450.1
70°	189.0	255.3	348.8	413.1	432.6
72.5°	159.8	231.9	331.2	395.5	417.0
75°	130.6	208.5	311.8	378.0	399.4
77.5°	103.3	187.1	292.3	362.4	385.8
80°	74.0	165.6	274.7	344.9	368.3
82.5°	50.7	146.1	259.2	329.3	350.7
85°	29.2	128.6	241.6	313.7	335.1
87.5°	11.7	113.0	224.1	296.2	319.6
90°	0.0	99.4	210.4	282.5	304.0
92.5°	0.0	87.7	196.8	266.9	290.3
95°	1.9	77.9	183.2	253.3	276.7
97.5°	0.0	68.2	171.5	239.7	261.1
100°	0.0	62.4	159.8	226.0	247.5
102.5°	0.0	54.6	148.1	212.4	233.8
105°	0.0	48.7	136.4	198.7	218.2
107.5°	0.0	44.8	126.7	187.1	204.6
110°	0.0	39.0	116.9	175.4	192.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.1	107.2	161.7	179.3
115°	0.0	31.2	99.4	150.0	165.6
117.5°	0.0	29.2	89.6	138.3	153.9
120°	0.0	25.3	81.8	128.6	142.2
122.5°	0.0	23.4	76.0	116.9	130.6
125°	0.0	19.5	68.2	107.2	118.9
127.5°	0.0	17.5	60.4	97.4	107.2
130°	0.0	15.6	54.6	87.7	97.4
132.5°	0.0	13.6	48.7	77.9	87.7
135°	0.0	11.7	42.9	70.1	77.9
137.5°	0.0	9.7	37.0	60.4	68.2
140°	0.0	7.8	31.2	52.6	58.5
142.5°	0.0	5.8	27.3	44.8	50.7
145°	0.0	3.9	21.4	39.0	42.9
147.5°	0.0	3.9	17.5	31.2	35.1
150°	0.0	1.9	11.7	25.3	27.3
152.5°	0.0	1.9	9.7	19.5	19.5
155°	0.0	1.9	5.8	11.7	13.6
157.5°	0.0	0.0	3.9	7.8	7.8
160°	0.0	0.0	1.9	3.9	5.8
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)