

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: P218291

Luminaire Tested: **2SNLED-LD5-30HL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218291
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: 2SNLED-LD5-30HL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2764.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

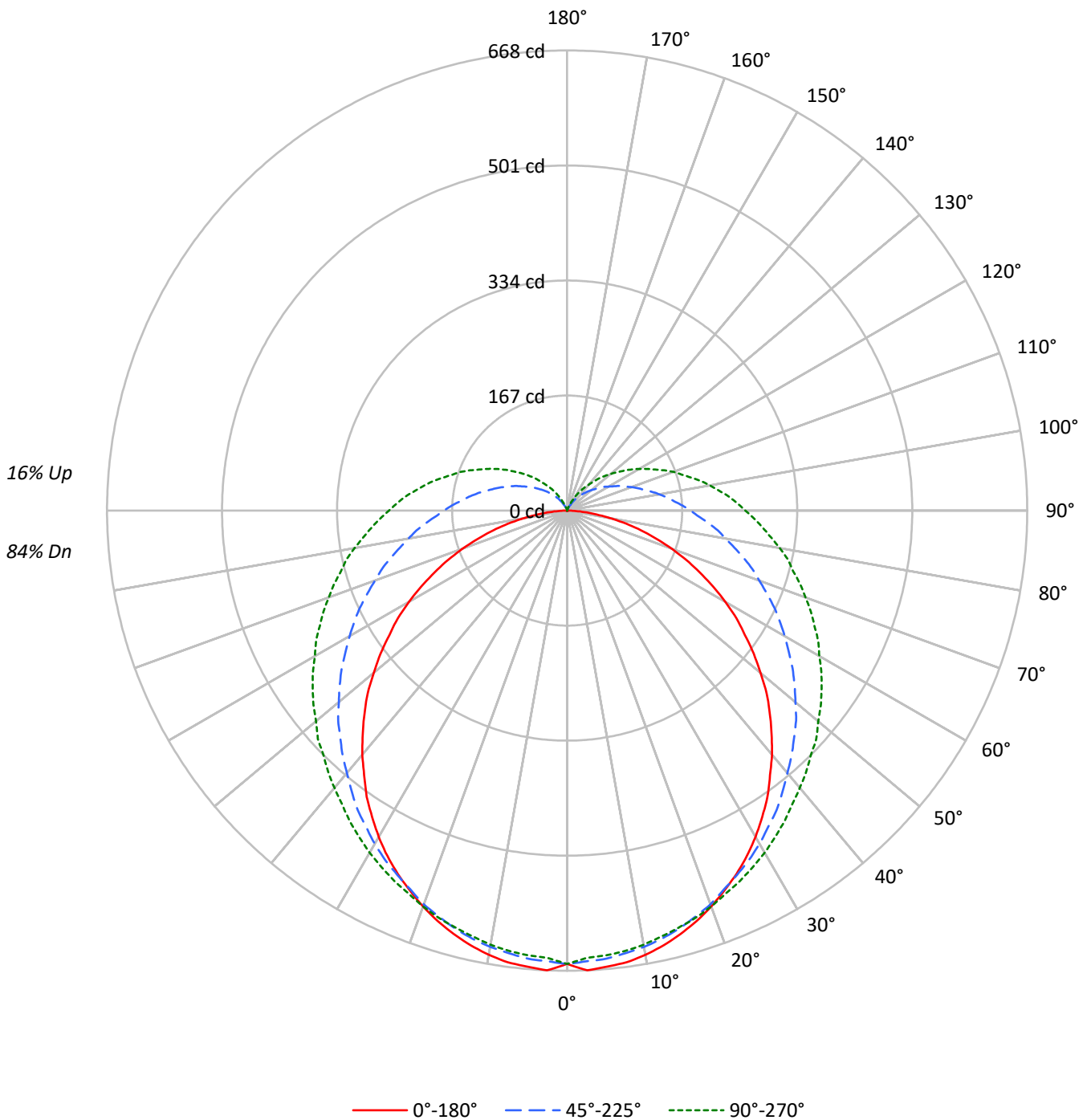
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21209	21209	21209
5°	21347	19801	19280
10°	21117	18543	17801
15°	20772	17389	16488
20°	20360	16316	15381
25°	19913	15287	14390
30°	19419	14412	13530
35°	18852	13581	12734
40°	18183	12735	12021
45°	17503	12020	11408
50°	16703	11337	10882
55°	15813	10719	10434
60°	14934	10102	9972
65°	13724	9564	9608
70°	12324	9004	9253
75°	10547	8556	8941
80°	7935	8114	8716
85°	4711	7788	8481



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	2.3
10°-20°	178.2	6.4
20°-30°	270.9	9.8
30°-40°	331.5	12.0
40°-50°	357.9	13.0
50°-60°	351.4	12.7
60°-70°	316.5	11.5
70°-80°	262.1	9.5
80°-90°	201.5	7.3
90°-100°	151.9	5.5
100°-110°	111.8	4.0
110°-120°	77.1	2.8
120°-130°	48.9	1.8
130°-140°	27.1	1.0
140°-150°	11.7	0.4
150°-160°	2.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	511.4	18.5
0°-40°	842.9	30.5
0°-60°	1552.3	56.2
0°-90°	2332.4	84.4
90°-120°	340.9	12.3
90°-150°	428.6	15.5
90°-180°	432.0	15.6
0°-180°	2764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	665	661	653	653	648	63
15°	636	635	628	632	627	179
25°	582	582	584	595	593	268
35°	507	512	530	547	550	317
45°	416	434	466	494	501	321
55°	315	350	400	439	451	283
65°	212	260	332	381	396	211
75°	111	177	265	322	340	118
85°	25	109	206	267	285	28
90°	0	84	179	240	259	1
95°	2	66	156	216	235	0
105°	0	41	116	169	186	0
115°	0	26	84	128	141	0
125°	0	17	58	91	101	0
135°	0	10	36	60	66	0
145°	0	3	18	33	36	0
155°	0	2	5	10	12	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°	658.1	658.1	658.1	658.1	658.1
2.5°	668.0	663.1	654.8	654.8	649.8
5°	664.7	661.4	653.1	653.1	648.1
7.5°	661.4	658.1	648.1	649.8	644.8
10°	654.8	651.5	643.2	644.8	639.9
12.5°	646.5	643.2	636.5	638.2	633.2
15°	636.5	634.9	628.2	631.6	626.6
17.5°	624.9	623.3	618.3	623.3	620.0
20°	611.7	611.7	608.4	615.0	611.7
22.5°	596.8	596.8	595.1	605.0	601.7
25°	581.8	581.8	583.5	595.1	593.4
27.5°	565.3	566.9	571.9	585.2	583.5
30°	547.0	550.3	558.6	573.5	573.5
32.5°	527.1	530.4	543.7	561.9	561.9
35°	507.2	512.2	530.4	547.0	550.3
37.5°	484.0	492.3	513.9	533.8	537.1
40°	462.5	474.1	497.3	520.5	525.5
42.5°	439.3	454.2	482.4	508.9	513.9
45°	416.1	434.3	465.8	494.0	500.6
47.5°	392.9	412.8	450.9	480.7	490.7
50°	366.3	391.2	432.6	467.5	475.7
52.5°	341.5	369.7	416.1	452.5	464.1
55°	315.0	349.8	399.5	439.3	450.9
57.5°	291.7	326.6	381.3	426.0	437.6
60°	265.2	303.4	364.7	409.4	422.7
62.5°	238.7	283.5	348.1	396.2	411.1
65°	212.2	260.3	331.5	381.3	396.2
67.5°	187.3	238.7	313.3	366.3	382.9
70°	160.8	217.2	296.7	351.4	368.0
72.5°	135.9	197.3	281.8	336.5	354.7
75°	111.1	177.4	265.2	321.6	339.8
77.5°	87.9	159.1	248.6	308.3	328.2
80°	63.0	140.9	233.7	293.4	313.3
82.5°	43.1	124.3	220.5	280.1	298.4
85°	24.9	109.4	205.5	266.9	285.1
87.5°	9.9	96.1	190.6	252.0	271.9
90°	0.0	84.5	179.0	240.4	258.6
92.5°	0.0	74.6	167.4	227.1	247.0
95°	1.7	66.3	155.8	215.5	235.4
97.5°	0.0	58.0	145.9	203.9	222.1
100°	0.0	53.0	135.9	192.3	210.5
102.5°	0.0	46.4	126.0	180.7	198.9
105°	0.0	41.4	116.0	169.1	185.7
107.5°	0.0	38.1	107.7	159.1	174.1
110°	0.0	33.2	99.5	149.2	164.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.8	91.2	137.6	152.5
115°	0.0	26.5	84.5	127.6	140.9
117.5°	0.0	24.9	76.3	117.7	131.0
120°	0.0	21.5	69.6	109.4	121.0
122.5°	0.0	19.9	64.6	99.5	111.1
125°	0.0	16.6	58.0	91.2	101.1
127.5°	0.0	14.9	51.4	82.9	91.2
130°	0.0	13.3	46.4	74.6	82.9
132.5°	0.0	11.6	41.4	66.3	74.6
135°	0.0	9.9	36.5	59.7	66.3
137.5°	0.0	8.3	31.5	51.4	58.0
140°	0.0	6.6	26.5	44.8	49.7
142.5°	0.0	5.0	23.2	38.1	43.1
145°	0.0	3.3	18.2	33.2	36.5
147.5°	0.0	3.3	14.9	26.5	29.8
150°	0.0	1.7	9.9	21.5	23.2
152.5°	0.0	1.7	8.3	16.6	16.6
155°	0.0	1.7	5.0	9.9	11.6
157.5°	0.0	0.0	3.3	6.6	6.6
160°	0.0	0.0	1.7	3.3	5.0
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)