

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: P218292

Luminaire Tested: **2SNLED-LD5-30HL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218292  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2936.0 lumens  
Efficiency: N/A  
Efficacy: 113.4 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

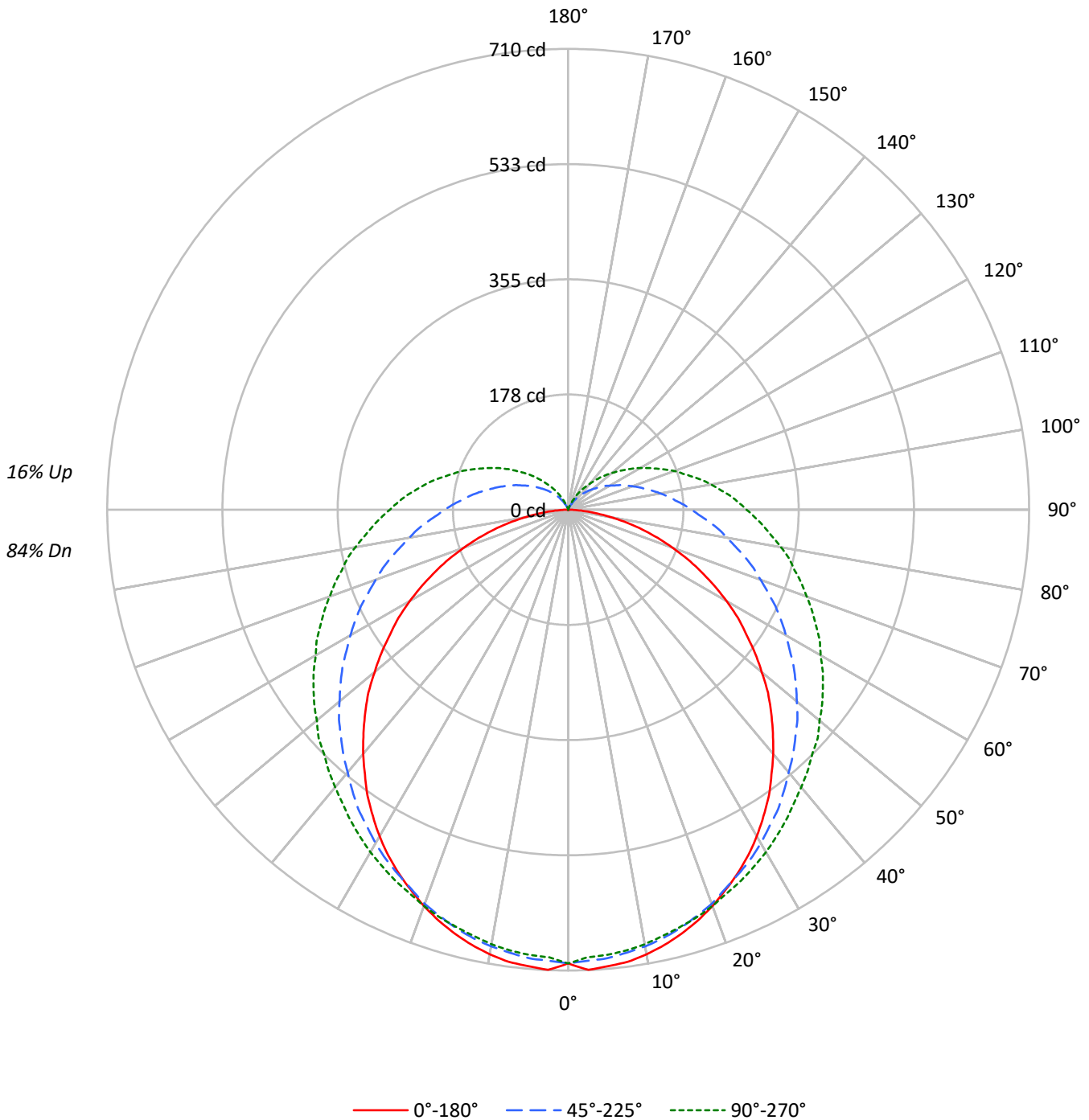
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	22527	22527	22527
5°	22677	21035	20481
10°	22430	19696	18909
15°	22064	18472	17514
20°	21625	17329	16336
25°	21152	16238	15288
30°	20630	15310	14372
35°	20027	14429	13527
40°	19316	13526	12769
45°	18592	12769	12119
50°	17743	12045	11561
55°	16797	11387	11082
60°	15863	10730	10593
65°	14578	10162	10205
70°	13091	9565	9829
75°	11202	9089	9499
80°	8426	8621	9258
85°	4995	8273	9011



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.2	2.3
10°-20°	189.3	6.4
20°-30°	287.7	9.8
30°-40°	352.2	12.0
40°-50°	380.2	12.9
50°-60°	373.3	12.7
60°-70°	336.2	11.5
70°-80°	278.4	9.5
80°-90°	214.1	7.3
90°-100°	161.4	5.5
100°-110°	118.8	4.0
110°-120°	81.9	2.8
120°-130°	51.9	1.8
130°-140°	28.7	1.0
140°-150°	12.5	0.4
150°-160°	3.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	543.3	18.5
0°-40°	895.4	30.5
0°-60°	1648.9	56.2
0°-90°	2477.5	84.4
90°-120°	362.1	12.3
90°-150°	455.2	15.5
90°-180°	458.0	15.6
0°-180°	2936.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	699	699	699	699	699	
5°	706	703	694	694	688	67
15°	676	674	667	671	666	191
25°	618	618	620	632	630	285
35°	539	544	564	581	585	336
45°	442	461	495	525	532	341
55°	335	372	424	467	479	300
65°	225	276	352	405	421	224
75°	118	188	282	342	361	125
85°	26	116	218	284	303	30
90°	0	90	190	255	275	1
95°	2	70	166	229	250	0
105°	0	44	123	180	197	0
115°	0	28	90	136	150	0
125°	0	18	62	97	107	0
135°	0	11	39	63	70	0
145°	0	4	19	35	39	0
155°	0	2	5	11	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°	699.0	699.0	699.0	699.0	699.0
2.5°	709.6	704.3	695.5	695.5	690.2
5°	706.1	702.6	693.8	693.8	688.5
7.5°	702.6	699.0	688.5	690.2	685.0
10°	695.5	692.0	683.2	685.0	679.7
12.5°	686.7	683.2	676.1	677.9	672.6
15°	676.1	674.4	667.3	670.9	665.6
17.5°	663.8	662.1	656.8	662.1	658.5
20°	649.7	649.7	646.2	653.3	649.7
22.5°	633.9	633.9	632.1	642.7	639.2
25°	618.0	618.0	619.8	632.1	630.4
27.5°	600.4	602.2	607.5	621.6	619.8
30°	581.1	584.6	593.4	609.2	609.2
32.5°	559.9	563.5	577.5	596.9	596.9
35°	538.8	544.1	563.5	581.1	584.6
37.5°	514.2	523.0	545.8	567.0	570.5
40°	491.3	503.6	528.2	552.9	558.2
42.5°	466.6	482.5	512.4	540.6	545.8
45°	442.0	461.3	494.8	524.7	531.8
47.5°	417.3	438.4	478.9	510.6	521.2
50°	389.1	415.5	459.6	496.5	505.4
52.5°	362.7	392.7	442.0	480.7	493.0
55°	334.6	371.5	424.4	466.6	478.9
57.5°	309.9	346.9	405.0	452.5	464.9
60°	281.7	322.2	387.4	434.9	449.0
62.5°	253.6	301.1	369.8	420.8	436.7
65°	225.4	276.4	352.2	405.0	420.8
67.5°	199.0	253.6	332.8	389.1	406.7
70°	170.8	230.7	315.2	373.3	390.9
72.5°	144.4	209.5	299.3	357.4	376.8
75°	118.0	188.4	281.7	341.6	361.0
77.5°	93.3	169.0	264.1	327.5	348.6
80°	66.9	149.7	248.3	311.7	332.8
82.5°	45.8	132.1	234.2	297.6	316.9
85°	26.4	116.2	218.3	283.5	302.9
87.5°	10.6	102.1	202.5	267.6	288.8
90°	0.0	89.8	190.2	255.3	274.7
92.5°	0.0	79.2	177.8	241.2	262.4
95°	1.8	70.4	165.5	228.9	250.0
97.5°	0.0	61.6	155.0	216.6	235.9
100°	0.0	56.3	144.4	204.3	223.6
102.5°	0.0	49.3	133.8	191.9	211.3
105°	0.0	44.0	123.3	179.6	197.2
107.5°	0.0	40.5	114.5	169.0	184.9
110°	0.0	35.2	105.6	158.5	174.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.7	96.8	146.1	162.0
115°	0.0	28.2	89.8	135.6	149.7
117.5°	0.0	26.4	81.0	125.0	139.1
120°	0.0	22.9	74.0	116.2	128.5
122.5°	0.0	21.1	68.7	105.6	118.0
125°	0.0	17.6	61.6	96.8	107.4
127.5°	0.0	15.8	54.6	88.0	96.8
130°	0.0	14.1	49.3	79.2	88.0
132.5°	0.0	12.3	44.0	70.4	79.2
135°	0.0	10.6	38.7	63.4	70.4
137.5°	0.0	8.8	33.5	54.6	61.6
140°	0.0	7.0	28.2	47.5	52.8
142.5°	0.0	5.3	24.7	40.5	45.8
145°	0.0	3.5	19.4	35.2	38.7
147.5°	0.0	3.5	15.8	28.2	31.7
150°	0.0	1.8	10.6	22.9	24.7
152.5°	0.0	1.8	8.8	17.6	17.6
155°	0.0	1.8	5.3	10.6	12.3
157.5°	0.0	0.0	3.5	7.0	7.0
160°	0.0	0.0	1.8	3.5	5.3
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)