

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: P218294

Luminaire Tested: **2SNLED-LD5-30HL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218294  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3240.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 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

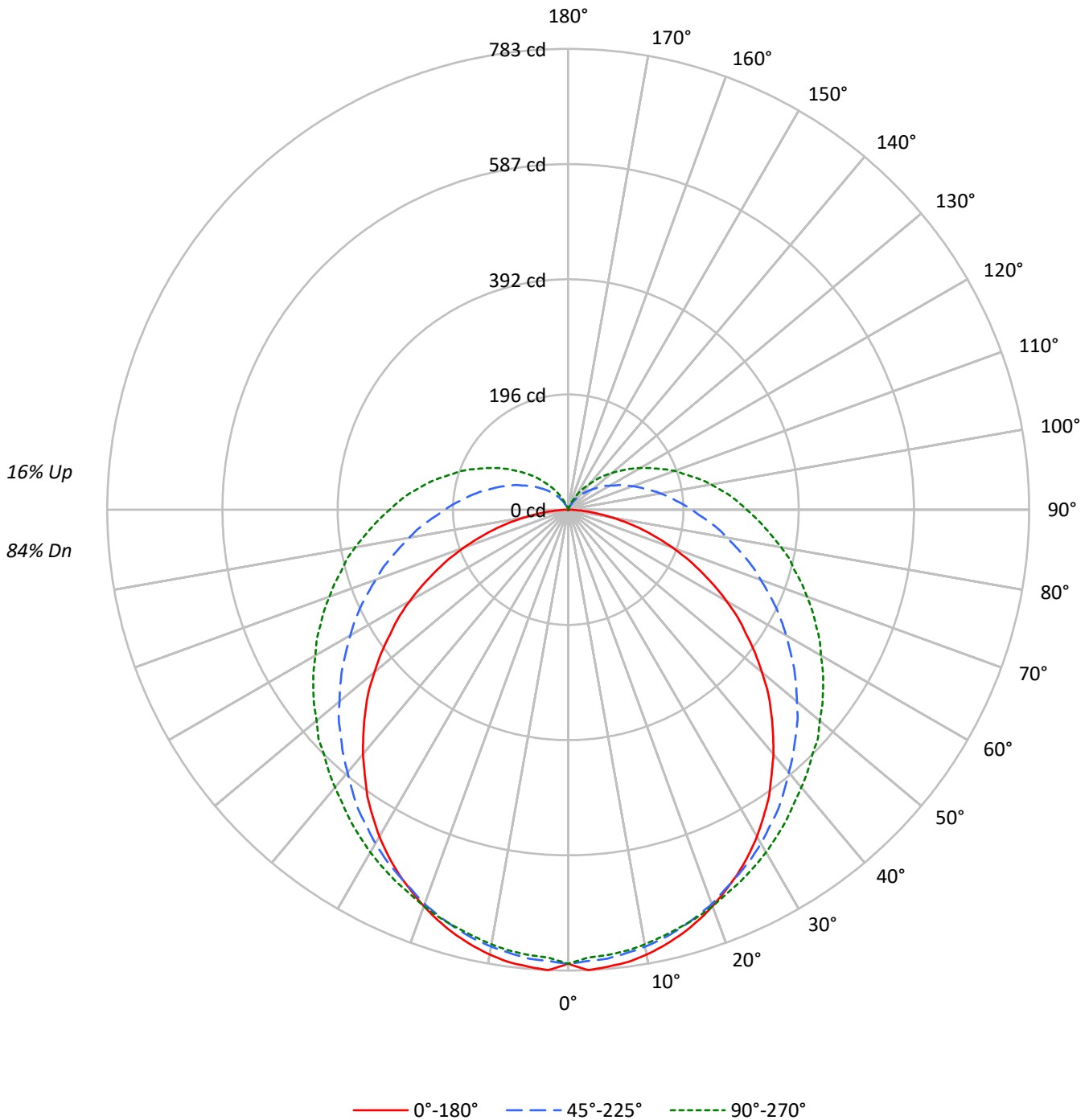
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	24860	24860	24860
5°	25025	23212	22602
10°	24752	21735	20864
15°	24351	20385	19327
20°	23865	19123	18028
25°	23342	17920	16869
30°	22763	16894	15861
35°	22101	15922	14927
40°	21313	14927	14091
45°	20515	14090	13372
50°	19580	13292	12757
55°	18534	12564	12229
60°	17507	11841	11690
65°	16085	11212	11262
70°	14447	10555	10847
75°	12360	10031	10481
80°	9295	9514	10218
85°	5506	9129	9942



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.1	2.3
10°-20°	208.9	6.4
20°-30°	317.5	9.8
30°-40°	388.6	12.0
40°-50°	419.6	12.9
50°-60°	411.9	12.7
60°-70°	371.0	11.5
70°-80°	307.2	9.5
80°-90°	236.3	7.3
90°-100°	178.1	5.5
100°-110°	131.1	4.0
110°-120°	90.4	2.8
120°-130°	57.3	1.8
130°-140°	31.7	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°	599.5	18.5
0°-40°	988.1	30.5
0°-60°	1819.6	56.2
0°-90°	2734.0	84.4
90°-120°	399.6	12.3
90°-150°	502.4	15.5
90°-180°	506.0	15.6
0°-180°	3240.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	779	775	766	766	760	74
15°	746	744	736	740	734	210
25°	682	682	684	698	696	314
35°	595	600	622	641	645	371
45°	488	509	546	579	587	376
55°	369	410	468	515	528	331
65°	249	305	389	447	464	247
75°	130	208	311	377	398	138
85°	29	128	241	313	334	33
90°	0	99	210	282	303	2
95°	2	78	183	253	276	1
105°	0	49	136	198	218	0
115°	0	31	99	150	165	0
125°	0	19	68	107	118	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°	771.4	771.4	771.4	771.4	771.4
2.5°	783.1	777.2	767.5	767.5	761.7
5°	779.2	775.3	765.6	765.6	759.8
7.5°	775.3	771.4	759.8	761.7	755.9
10°	767.5	763.6	753.9	755.9	750.0
12.5°	757.8	753.9	746.2	748.1	742.3
15°	746.2	744.2	736.4	740.3	734.5
17.5°	732.6	730.6	724.8	730.6	726.7
20°	717.0	717.0	713.1	720.9	717.0
22.5°	699.5	699.5	697.6	709.2	705.4
25°	682.0	682.0	684.0	697.6	695.6
27.5°	662.6	664.5	670.4	685.9	684.0
30°	641.2	645.1	654.8	672.3	672.3
32.5°	617.9	621.8	637.3	658.7	658.7
35°	594.6	600.4	621.8	641.2	645.1
37.5°	567.4	577.1	602.4	625.7	629.6
40°	542.1	555.7	582.9	610.1	616.0
42.5°	514.9	532.4	565.4	596.5	602.4
45°	487.7	509.1	546.0	579.1	586.8
47.5°	460.5	483.8	528.5	563.5	575.2
50°	429.4	458.6	507.2	548.0	557.7
52.5°	400.3	433.3	487.7	530.5	544.1
55°	369.2	410.0	468.3	514.9	528.5
57.5°	342.0	382.8	446.9	499.4	513.0
60°	310.9	355.6	427.5	480.0	495.5
62.5°	279.8	332.3	408.1	464.4	481.9
65°	248.7	305.1	388.6	446.9	464.4
67.5°	219.6	279.8	367.3	429.4	448.9
70°	188.5	254.5	347.8	411.9	431.4
72.5°	159.3	231.2	330.3	394.5	415.8
75°	130.2	207.9	310.9	377.0	398.3
77.5°	103.0	186.5	291.5	361.4	384.7
80°	73.8	165.2	274.0	343.9	367.3
82.5°	50.5	145.7	258.4	328.4	349.8
85°	29.1	128.2	240.9	312.8	334.2
87.5°	11.7	112.7	223.5	295.4	318.7
90°	0.0	99.1	209.9	281.8	303.1
92.5°	0.0	87.4	196.3	266.2	289.5
95°	1.9	77.7	182.7	252.6	275.9
97.5°	0.0	68.0	171.0	239.0	260.4
100°	0.0	62.2	159.3	225.4	246.8
102.5°	0.0	54.4	147.7	211.8	233.2
105°	0.0	48.6	136.0	198.2	217.6
107.5°	0.0	44.7	126.3	186.5	204.0
110°	0.0	38.9	116.6	174.9	192.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.0	106.9	161.3	178.8
115°	0.0	31.1	99.1	149.6	165.2
117.5°	0.0	29.1	89.4	138.0	153.5
120°	0.0	25.3	81.6	128.2	141.8
122.5°	0.0	23.3	75.8	116.6	130.2
125°	0.0	19.4	68.0	106.9	118.5
127.5°	0.0	17.5	60.2	97.2	106.9
130°	0.0	15.5	54.4	87.4	97.2
132.5°	0.0	13.6	48.6	77.7	87.4
135°	0.0	11.7	42.7	70.0	77.7
137.5°	0.0	9.7	36.9	60.2	68.0
140°	0.0	7.8	31.1	52.5	58.3
142.5°	0.0	5.8	27.2	44.7	50.5
145°	0.0	3.9	21.4	38.9	42.7
147.5°	0.0	3.9	17.5	31.1	35.0
150°	0.0	1.9	11.7	25.3	27.2
152.5°	0.0	1.9	9.7	19.4	19.4
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)