

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: P218314

Luminaire Tested: **4SNLED-LD5-30SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218314  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3515.0 lumens  
Efficiency: N/A  
Efficacy: 141.2 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

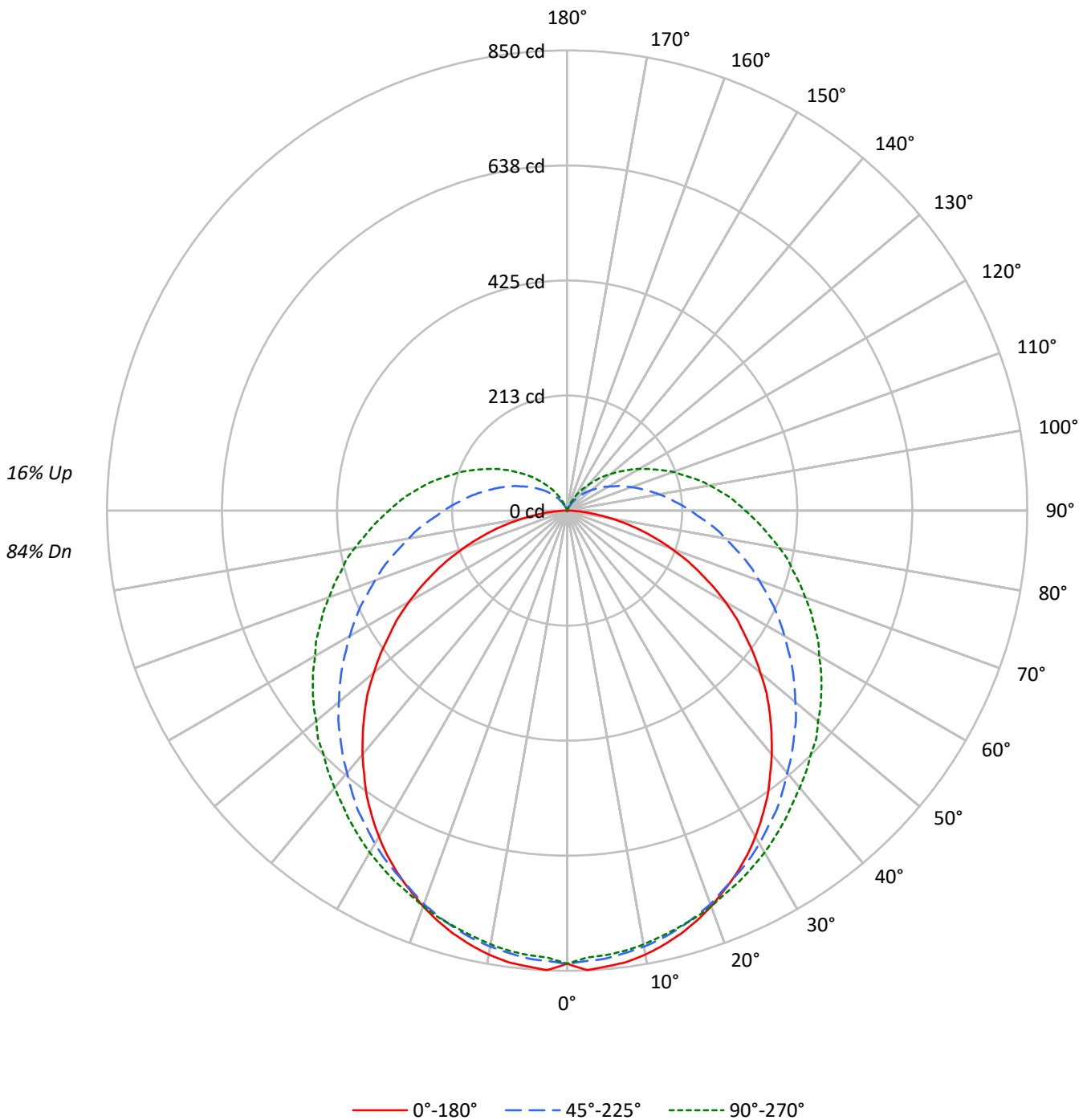
Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
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	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°	13486	13486	13486
5°	13623	12622	12259
10°	13525	11844	11318
15°	13355	11132	10483
20°	13140	10462	9780
25°	12904	9819	9151
30°	12640	9274	8604
35°	12329	8755	8098
40°	11952	8221	7644
45°	11574	7774	7253
50°	11126	7345	6920
55°	10618	6955	6634
60°	10137	6568	6342
65°	9442	6231	6109
70°	8643	5878	5884
75°	7606	5601	5685
80°	6010	5326	5542
85°	3955	5131	5393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.3	2.3
10°-20°	226.6	6.4
20°-30°	344.5	9.8
30°-40°	421.6	12.0
40°-50°	455.2	12.9
50°-60°	446.9	12.7
60°-70°	402.5	11.5
70°-80°	333.3	9.5
80°-90°	256.3	7.3
90°-100°	193.2	5.5
100°-110°	142.2	4.0
110°-120°	98.1	2.8
120°-130°	62.2	1.8
130°-140°	34.4	1.0
140°-150°	14.9	0.4
150°-160°	3.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	650.4	18.5
0°-40°	1072.0	30.5
0°-60°	1974.1	56.2
0°-90°	2966.2	84.4
90°-120°	433.5	12.3
90°-150°	545.0	15.5
90°-180°	549.0	15.6
0°-180°	3515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	845	841	831	831	824	80
15°	810	807	799	803	797	228
25°	740	740	742	757	755	341
35°	645	651	675	696	700	403
45°	529	552	592	628	637	408
55°	400	445	508	559	573	359
65°	270	331	422	485	504	268
75°	141	226	337	409	432	150
85°	32	139	261	339	363	36
90°	0	108	228	306	329	2
95°	2	84	198	274	299	1
105°	0	53	148	215	236	0
115°	0	34	108	162	179	0
125°	0	21	74	116	129	0
135°	0	13	46	76	84	0
145°	0	4	23	42	46	0
155°	0	2	6	13	15	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°	836.9	836.9	836.9	836.9	836.9
2.5°	849.5	843.2	832.7	832.7	826.4
5°	845.3	841.1	830.6	830.6	824.2
7.5°	841.1	836.9	824.2	826.4	820.0
10°	832.7	828.5	817.9	820.0	813.7
12.5°	822.1	817.9	809.5	811.6	805.3
15°	809.5	807.4	799.0	803.2	796.8
17.5°	794.7	792.6	786.3	792.6	788.4
20°	777.9	777.9	773.7	782.1	777.9
22.5°	758.9	758.9	756.8	769.4	765.2
25°	739.9	739.9	742.0	756.8	754.7
27.5°	718.8	721.0	727.3	744.1	742.0
30°	695.7	699.9	710.4	729.4	729.4
32.5°	670.4	674.6	691.4	714.6	714.6
35°	645.1	651.4	674.6	695.7	699.9
37.5°	615.6	626.1	653.5	678.8	683.0
40°	588.1	602.9	632.4	661.9	668.3
42.5°	558.6	577.6	613.4	647.2	653.5
45°	529.1	552.3	592.4	628.2	636.6
47.5°	499.6	524.9	573.4	611.3	624.0
50°	465.9	497.5	550.2	594.5	605.0
52.5°	434.3	470.1	529.1	575.5	590.3
55°	400.5	444.8	508.0	558.6	573.4
57.5°	371.0	415.3	484.9	541.8	556.5
60°	337.3	385.8	463.8	520.7	537.6
62.5°	303.6	360.5	442.7	503.8	522.8
65°	269.8	331.0	421.6	484.9	503.8
67.5°	238.2	303.6	398.4	465.9	487.0
70°	204.5	276.2	377.3	446.9	468.0
72.5°	172.9	250.9	358.4	427.9	451.1
75°	141.2	225.6	337.3	409.0	432.1
77.5°	111.7	202.4	316.2	392.1	417.4
80°	80.1	179.2	297.2	373.1	398.4
82.5°	54.8	158.1	280.4	356.3	379.4
85°	31.6	139.1	261.4	339.4	362.6
87.5°	12.6	122.3	242.4	320.4	345.7
90°	0.0	107.5	227.7	305.7	328.9
92.5°	0.0	94.9	212.9	288.8	314.1
95°	2.1	84.3	198.2	274.0	299.3
97.5°	0.0	73.8	185.5	259.3	282.5
100°	0.0	67.5	172.9	244.5	267.7
102.5°	0.0	59.0	160.2	229.8	253.0
105°	0.0	52.7	147.6	215.0	236.1
107.5°	0.0	48.5	137.0	202.4	221.3
110°	0.0	42.2	126.5	189.7	208.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.9	115.9	175.0	193.9
115°	0.0	33.7	107.5	162.3	179.2
117.5°	0.0	31.6	97.0	149.7	166.5
120°	0.0	27.4	88.5	139.1	153.9
122.5°	0.0	25.3	82.2	126.5	141.2
125°	0.0	21.1	73.8	115.9	128.6
127.5°	0.0	19.0	65.3	105.4	115.9
130°	0.0	16.9	59.0	94.9	105.4
132.5°	0.0	14.8	52.7	84.3	94.9
135°	0.0	12.6	46.4	75.9	84.3
137.5°	0.0	10.5	40.1	65.3	73.8
140°	0.0	8.4	33.7	56.9	63.2
142.5°	0.0	6.3	29.5	48.5	54.8
145°	0.0	4.2	23.2	42.2	46.4
147.5°	0.0	4.2	19.0	33.7	37.9
150°	0.0	2.1	12.6	27.4	29.5
152.5°	0.0	2.1	10.5	21.1	21.1
155°	0.0	2.1	6.3	12.6	14.8
157.5°	0.0	0.0	4.2	8.4	8.4
160°	0.0	0.0	2.1	4.2	6.3
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)