

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: P218312

Luminaire Tested: **4SNLED-LD5-30SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218312
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3186.0 lumens
Efficiency: N/A
Efficacy: 128.0 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

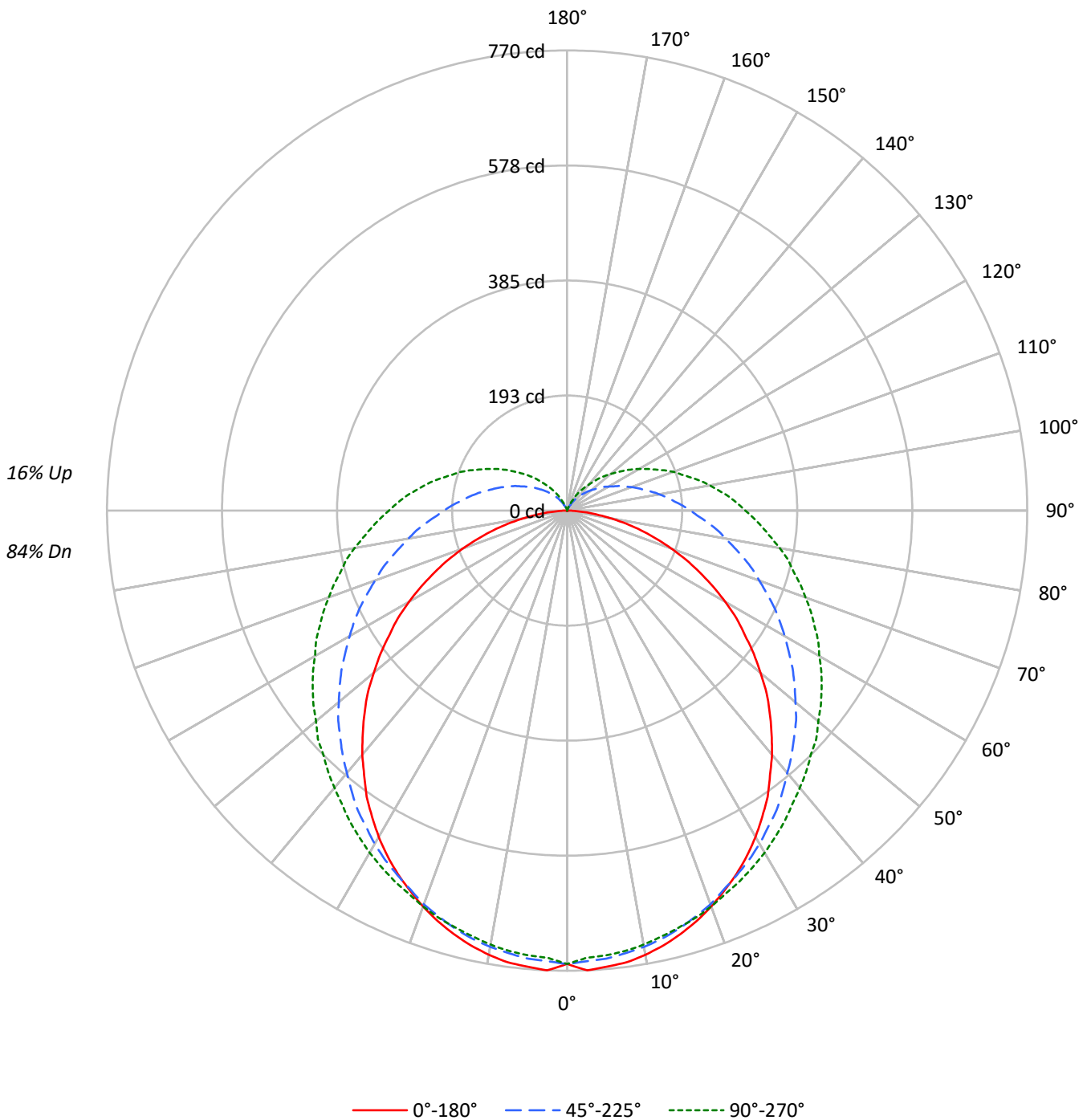
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	12224	12224	12224
5°	12348	11439	11112
10°	12258	10736	10258
15°	12104	10090	9503
20°	11910	9482	8864
25°	11697	8901	8294
30°	11455	8406	7798
35°	11175	7934	7340
40°	10834	7451	6928
45°	10491	7045	6574
50°	10085	6657	6272
55°	9624	6305	6013
60°	9188	5953	5747
65°	8560	5647	5538
70°	7832	5329	5333
75°	6895	5076	5153
80°	5447	4828	5023
85°	3592	4650	4888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	2.3
10°-20°	205.4	6.4
20°-30°	312.3	9.8
30°-40°	382.1	12.0
40°-50°	412.6	12.9
50°-60°	405.1	12.7
60°-70°	364.8	11.5
70°-80°	302.1	9.5
80°-90°	232.3	7.3
90°-100°	175.1	5.5
100°-110°	128.9	4.0
110°-120°	88.9	2.8
120°-130°	56.4	1.8
130°-140°	31.2	1.0
140°-150°	13.5	0.4
150°-160°	3.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	589.5	18.5
0°-40°	971.7	30.5
0°-60°	1789.3	56.2
0°-90°	2688.5	84.4
90°-120°	392.9	12.3
90°-150°	494.0	15.5
90°-180°	497.0	15.6
0°-180°	3186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	766	762	753	753	747	73
15°	734	732	724	728	722	207
25°	671	671	673	686	684	309
35°	585	590	611	630	634	365
45°	480	501	537	569	577	370
55°	363	403	460	506	520	326
65°	245	300	382	440	457	243
75°	128	204	306	371	392	136
85°	29	126	237	308	329	33
90°	0	97	206	277	298	2
95°	2	76	180	248	271	1
105°	0	48	134	195	214	0
115°	0	31	97	147	162	0
125°	0	19	67	105	117	0
135°	0	12	42	69	76	0
145°	0	4	21	38	42	0
155°	0	2	6	12	13	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°	758.6	758.6	758.6	758.6	758.6
2.5°	770.0	764.3	754.7	754.7	749.0
5°	766.2	762.4	752.8	752.8	747.1
7.5°	762.4	758.6	747.1	749.0	743.3
10°	754.7	750.9	741.4	743.3	737.5
12.5°	745.2	741.4	733.7	735.6	729.9
15°	733.7	731.8	724.2	728.0	722.3
17.5°	720.3	718.4	712.7	718.4	714.6
20°	705.1	705.1	701.2	708.9	705.1
22.5°	687.9	687.9	686.0	697.4	693.6
25°	670.7	670.7	672.6	686.0	684.0
27.5°	651.6	653.5	659.2	674.5	672.6
30°	630.5	634.4	643.9	661.1	661.1
32.5°	607.6	611.4	626.7	647.7	647.7
35°	584.7	590.4	611.4	630.5	634.4
37.5°	557.9	567.5	592.3	615.3	619.1
40°	533.1	546.5	573.2	600.0	605.7
42.5°	506.3	523.5	556.0	586.6	592.3
45°	479.6	500.6	536.9	569.4	577.0
47.5°	452.8	475.8	519.7	554.1	565.6
50°	422.3	450.9	498.7	538.8	548.4
52.5°	393.6	426.1	479.6	521.6	535.0
55°	363.0	403.2	460.5	506.3	519.7
57.5°	336.3	376.4	439.5	491.1	504.4
60°	305.7	349.7	420.4	472.0	487.2
62.5°	275.1	326.7	401.3	456.7	473.9
65°	244.6	300.0	382.1	439.5	456.7
67.5°	215.9	275.1	361.1	422.3	441.4
70°	185.3	250.3	342.0	405.1	424.2
72.5°	156.7	227.4	324.8	387.9	408.9
75°	128.0	204.4	305.7	370.7	391.7
77.5°	101.3	183.4	286.6	355.4	378.3
80°	72.6	162.4	269.4	338.2	361.1
82.5°	49.7	143.3	254.1	322.9	343.9
85°	28.7	126.1	236.9	307.6	328.6
87.5°	11.5	110.8	219.7	290.4	313.4
90°	0.0	97.4	206.4	277.1	298.1
92.5°	0.0	86.0	193.0	261.8	284.7
95°	1.9	76.4	179.6	248.4	271.3
97.5°	0.0	66.9	168.1	235.0	256.0
100°	0.0	61.1	156.7	221.6	242.7
102.5°	0.0	53.5	145.2	208.3	229.3
105°	0.0	47.8	133.8	194.9	214.0
107.5°	0.0	43.9	124.2	183.4	200.6
110°	0.0	38.2	114.6	172.0	189.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.4	105.1	158.6	175.8
115°	0.0	30.6	97.4	147.1	162.4
117.5°	0.0	28.7	87.9	135.7	150.9
120°	0.0	24.8	80.3	126.1	139.5
122.5°	0.0	22.9	74.5	114.6	128.0
125°	0.0	19.1	66.9	105.1	116.6
127.5°	0.0	17.2	59.2	95.5	105.1
130°	0.0	15.3	53.5	86.0	95.5
132.5°	0.0	13.4	47.8	76.4	86.0
135°	0.0	11.5	42.0	68.8	76.4
137.5°	0.0	9.6	36.3	59.2	66.9
140°	0.0	7.6	30.6	51.6	57.3
142.5°	0.0	5.7	26.8	43.9	49.7
145°	0.0	3.8	21.0	38.2	42.0
147.5°	0.0	3.8	17.2	30.6	34.4
150°	0.0	1.9	11.5	24.8	26.8
152.5°	0.0	1.9	9.6	19.1	19.1
155°	0.0	1.9	5.7	11.5	13.4
157.5°	0.0	0.0	3.8	7.6	7.6
160°	0.0	0.0	1.9	3.8	5.7
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)