

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: P218290

Luminaire Tested: **2SNLED-LD5-23SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218290
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-LD5-23SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2659.0 lumens
Efficiency: N/A
Efficacy: 132.3 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

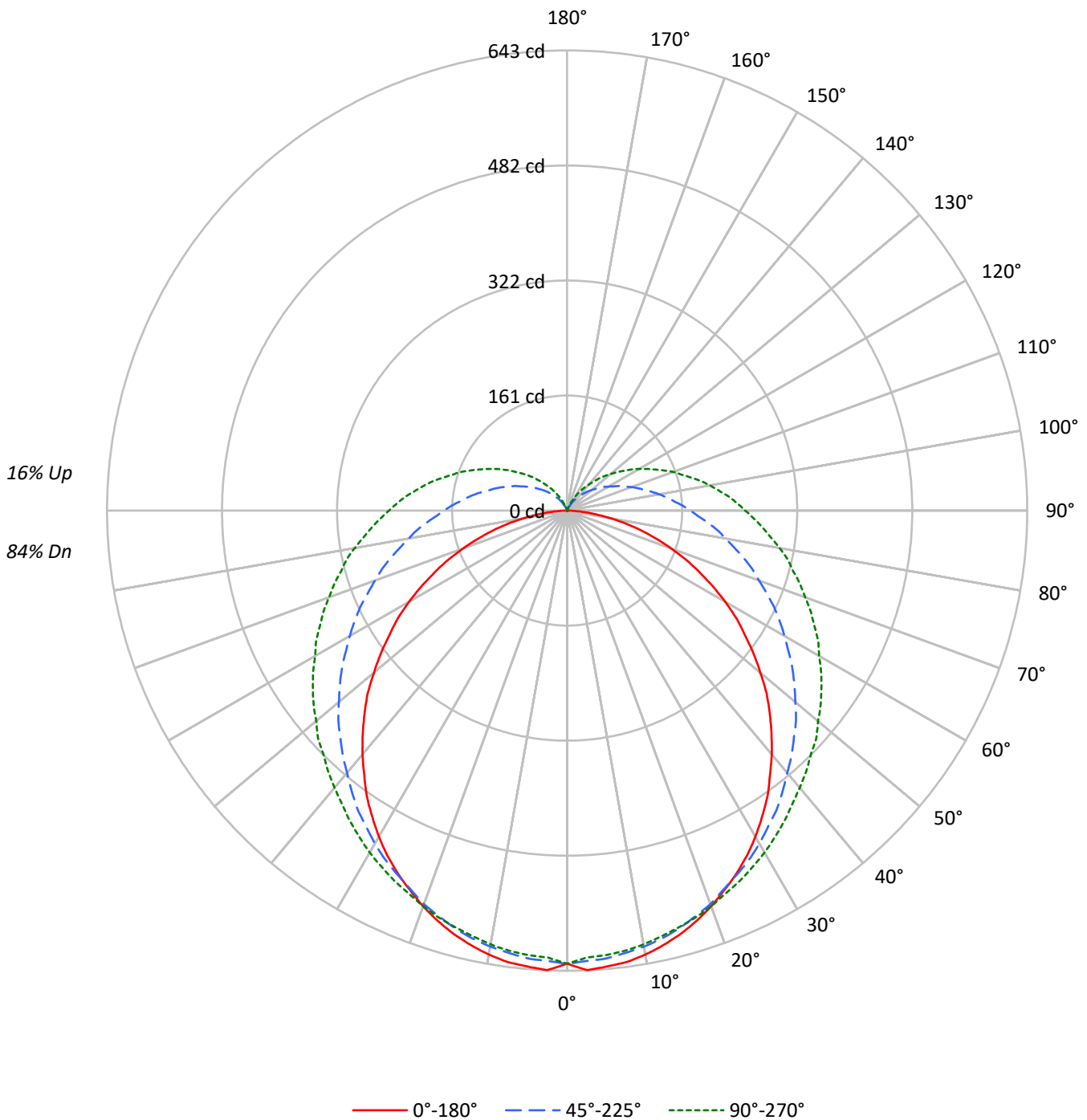
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	20403	20403	20403
5°	20538	19049	18548
10°	20314	17837	17123
15°	19985	16731	15862
20°	19584	15694	14795
25°	19156	14705	13845
30°	18681	13865	13018
35°	18139	13067	12250
40°	17491	12251	11563
45°	16838	11563	10975
50°	16069	10908	10470
55°	15211	10311	10038
60°	14365	9717	9593
65°	13200	9201	9242
70°	11857	8661	8901
75°	10139	8231	8602
80°	7632	7805	8385
85°	4522	7492	8160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	2.3
10°-20°	171.5	6.4
20°-30°	260.6	9.8
30°-40°	318.9	12.0
40°-50°	344.3	12.9
50°-60°	338.1	12.7
60°-70°	304.5	11.4
70°-80°	252.1	9.5
80°-90°	193.9	7.3
90°-100°	146.2	5.5
100°-110°	107.6	4.0
110°-120°	74.2	2.8
120°-130°	47.1	1.8
130°-140°	26.1	1.0
140°-150°	11.3	0.4
150°-160°	2.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	492.0	18.5
0°-40°	810.9	30.5
0°-60°	1493.3	56.2
0°-90°	2243.8	84.4
90°-120°	327.9	12.3
90°-150°	412.3	15.5
90°-180°	415.0	15.6
0°-180°	2659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	640	636	628	628	624	61
15°	612	611	604	608	603	173
25°	560	560	561	572	571	258
35°	488	493	510	526	529	305
45°	400	418	448	475	482	309
55°	303	336	384	423	434	272
65°	204	250	319	367	381	203
75°	107	171	255	309	327	113
85°	24	105	198	257	274	27
90°	0	81	172	231	249	1
95°	2	64	150	207	226	0
105°	0	40	112	163	179	0
115°	0	26	81	123	136	0
125°	0	16	56	88	97	0
135°	0	10	35	57	64	0
145°	0	3	18	32	35	0
155°	0	2	5	10	11	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°	633.1	633.1	633.1	633.1	633.1
2.5°	642.7	637.9	629.9	629.9	625.1
5°	639.5	636.3	628.3	628.3	623.5
7.5°	636.3	633.1	623.5	625.1	620.3
10°	629.9	626.7	618.7	620.3	615.5
12.5°	621.9	618.7	612.4	614.0	609.2
15°	612.4	610.8	604.4	607.6	602.8
17.5°	601.2	599.6	594.8	599.6	596.4
20°	588.4	588.4	585.2	591.6	588.4
22.5°	574.1	574.1	572.5	582.1	578.9
25°	559.7	559.7	561.3	572.5	570.9
27.5°	543.8	545.4	550.2	562.9	561.3
30°	526.2	529.4	537.4	551.8	551.8
32.5°	507.1	510.3	523.1	540.6	540.6
35°	488.0	492.8	510.3	526.2	529.4
37.5°	465.6	473.6	494.4	513.5	516.7
40°	444.9	456.1	478.4	500.7	505.5
42.5°	422.6	436.9	464.1	489.6	494.4
45°	400.3	417.8	448.1	475.2	481.6
47.5°	377.9	397.1	433.8	462.5	472.0
50°	352.4	376.3	416.2	449.7	457.7
52.5°	328.5	355.6	400.3	435.3	446.5
55°	303.0	336.5	384.3	422.6	433.8
57.5°	280.7	314.2	366.8	409.8	421.0
60°	255.1	291.8	350.8	393.9	406.6
62.5°	229.6	272.7	334.9	381.1	395.5
65°	204.1	250.4	318.9	366.8	381.1
67.5°	180.2	229.6	301.4	352.4	368.4
70°	154.7	208.9	285.4	338.1	354.0
72.5°	130.8	189.8	271.1	323.7	341.3
75°	106.8	170.6	255.1	309.4	326.9
77.5°	84.5	153.1	239.2	296.6	315.7
80°	60.6	135.5	224.8	282.3	301.4
82.5°	41.5	119.6	212.1	269.5	287.0
85°	23.9	105.2	197.7	256.7	274.3
87.5°	9.6	92.5	183.4	242.4	261.5
90°	0.0	81.3	172.2	231.2	248.8
92.5°	0.0	71.8	161.1	218.5	237.6
95°	1.6	63.8	149.9	207.3	226.4
97.5°	0.0	55.8	140.3	196.1	213.7
100°	0.0	51.0	130.8	185.0	202.5
102.5°	0.0	44.7	121.2	173.8	191.4
105°	0.0	39.9	111.6	162.7	178.6
107.5°	0.0	36.7	103.7	153.1	167.4
110°	0.0	31.9	95.7	143.5	157.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.7	87.7	132.4	146.7
115°	0.0	25.5	81.3	122.8	135.5
117.5°	0.0	23.9	73.4	113.2	126.0
120°	0.0	20.7	67.0	105.2	116.4
122.5°	0.0	19.1	62.2	95.7	106.8
125°	0.0	15.9	55.8	87.7	97.3
127.5°	0.0	14.4	49.4	79.7	87.7
130°	0.0	12.8	44.7	71.8	79.7
132.5°	0.0	11.2	39.9	63.8	71.8
135°	0.0	9.6	35.1	57.4	63.8
137.5°	0.0	8.0	30.3	49.4	55.8
140°	0.0	6.4	25.5	43.1	47.8
142.5°	0.0	4.8	22.3	36.7	41.5
145°	0.0	3.2	17.5	31.9	35.1
147.5°	0.0	3.2	14.4	25.5	28.7
150°	0.0	1.6	9.6	20.7	22.3
152.5°	0.0	1.6	8.0	15.9	15.9
155°	0.0	1.6	4.8	9.6	11.2
157.5°	0.0	0.0	3.2	6.4	6.4
160°	0.0	0.0	1.6	3.2	4.8
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)