

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: P218289

Luminaire Tested: **2SNLED-LD5-23SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218289
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2459.0 lumens
Efficiency: N/A
Efficacy: 122.3 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

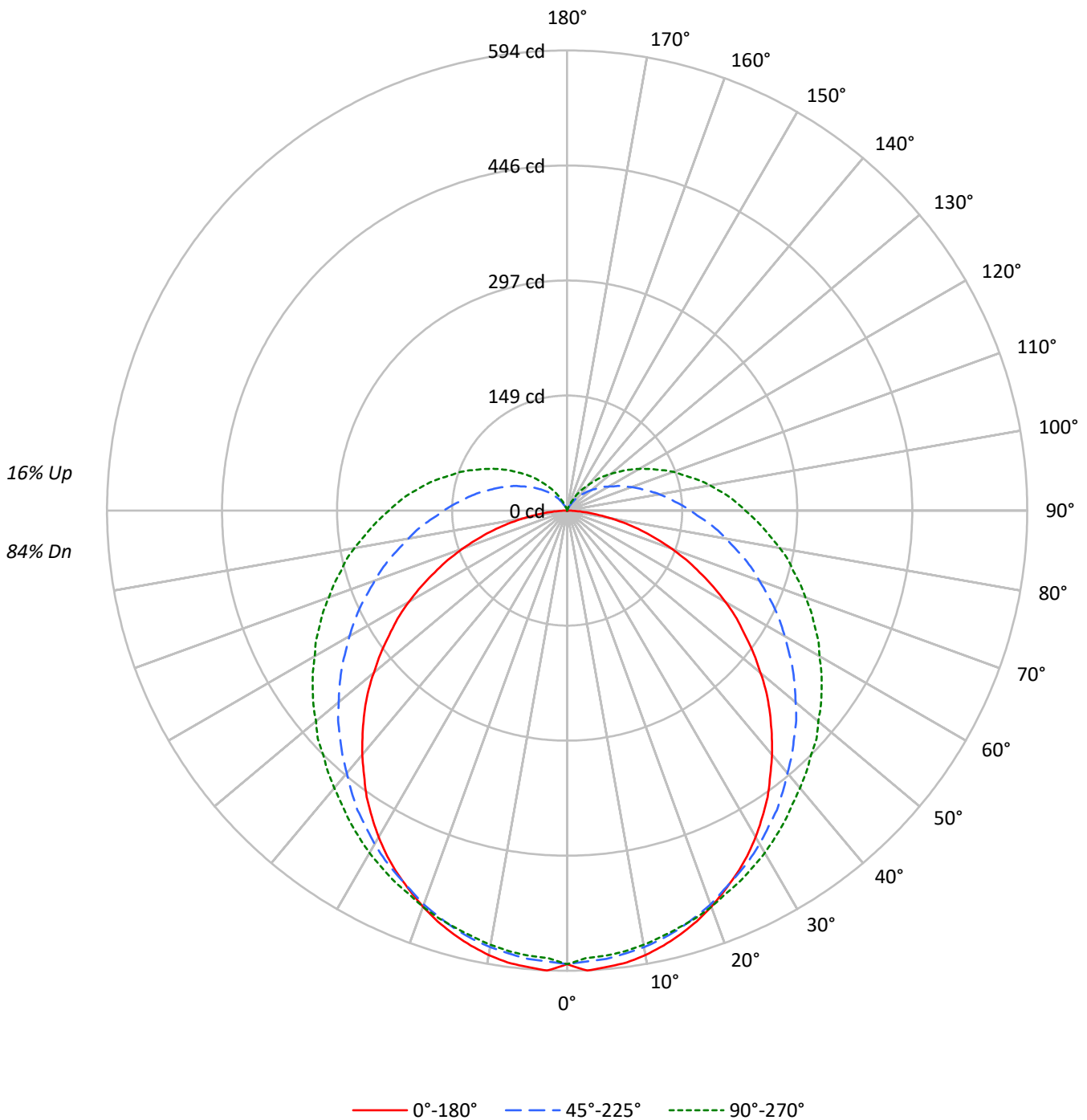
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	18869	18869	18869
5°	18993	17615	17153
10°	18785	16496	15835
15°	18481	15471	14667
20°	18113	14514	13683
25°	17715	13600	12804
30°	17279	12823	12039
35°	16774	12083	11329
40°	16178	11329	10694
45°	15572	10694	10150
50°	14861	10087	9681
55°	14066	9535	9281
60°	13289	8985	8873
65°	12211	8508	8548
70°	10960	8012	8232
75°	9379	7614	7955
80°	7053	7219	7753
85°	4181	6931	7547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	2.3
10°-20°	158.6	6.4
20°-30°	241.0	9.8
30°-40°	294.9	12.0
40°-50°	318.4	12.9
50°-60°	312.6	12.7
60°-70°	281.6	11.5
70°-80°	233.2	9.5
80°-90°	179.3	7.3
90°-100°	135.2	5.5
100°-110°	99.5	4.0
110°-120°	68.6	2.8
120°-130°	43.5	1.8
130°-140°	24.1	1.0
140°-150°	10.4	0.4
150°-160°	2.6	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	455.0	18.5
0°-40°	749.9	30.5
0°-60°	1381.0	56.2
0°-90°	2075.0	84.4
90°-120°	303.3	12.3
90°-150°	381.3	15.5
90°-180°	384.0	15.6
0°-180°	2459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	586	586	586	586	586	
5°	591	588	581	581	577	56
15°	566	565	559	562	557	160
25°	518	518	519	529	528	238
35°	451	456	472	487	490	282
45°	370	386	414	440	445	285
55°	280	311	355	391	401	251
65°	189	232	295	339	352	187
75°	99	158	236	286	302	105
85°	22	97	183	237	254	25
90°	0	75	159	214	230	1
95°	2	59	139	192	209	0
105°	0	37	103	150	165	0
115°	0	24	75	114	125	0
125°	0	15	52	81	90	0
135°	0	9	32	53	59	0
145°	0	3	16	30	32	0
155°	0	2	4	9	10	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°	585.5	585.5	585.5	585.5	585.5
2.5°	594.3	589.9	582.5	582.5	578.1
5°	591.4	588.4	581.0	581.0	576.6
7.5°	588.4	585.5	576.6	578.1	573.7
10°	582.5	579.6	572.2	573.7	569.2
12.5°	575.1	572.2	566.3	567.8	563.3
15°	566.3	564.8	558.9	561.9	557.4
17.5°	556.0	554.5	550.1	554.5	551.6
20°	544.2	544.2	541.2	547.1	544.2
22.5°	530.9	530.9	529.4	538.3	535.3
25°	517.6	517.6	519.1	529.4	528.0
27.5°	502.9	504.4	508.8	520.6	519.1
30°	486.7	489.6	497.0	510.3	510.3
32.5°	469.0	471.9	483.7	499.9	499.9
35°	451.3	455.7	471.9	486.7	489.6
37.5°	430.6	438.0	457.2	474.9	477.8
40°	411.5	421.8	442.4	463.1	467.5
42.5°	390.8	404.1	429.1	452.7	457.2
45°	370.2	386.4	414.4	439.5	445.4
47.5°	349.5	367.2	401.1	427.7	436.5
50°	325.9	348.0	384.9	415.9	423.2
52.5°	303.8	328.9	370.2	402.6	412.9
55°	280.2	311.2	355.4	390.8	401.1
57.5°	259.6	290.5	339.2	379.0	389.3
60°	236.0	269.9	324.4	364.3	376.1
62.5°	212.4	252.2	309.7	352.5	365.7
65°	188.8	231.5	294.9	339.2	352.5
67.5°	166.6	212.4	278.7	325.9	340.7
70°	143.0	193.2	264.0	312.6	327.4
72.5°	120.9	175.5	250.7	299.4	315.6
75°	98.8	157.8	236.0	286.1	302.3
77.5°	78.2	141.6	221.2	274.3	292.0
80°	56.0	125.4	207.9	261.0	278.7
82.5°	38.3	110.6	196.1	249.2	265.5
85°	22.1	97.3	182.9	237.4	253.7
87.5°	8.8	85.5	169.6	224.2	241.9
90°	0.0	75.2	159.3	213.8	230.1
92.5°	0.0	66.4	148.9	202.0	219.7
95°	1.5	59.0	138.6	191.7	209.4
97.5°	0.0	51.6	129.8	181.4	197.6
100°	0.0	47.2	120.9	171.1	187.3
102.5°	0.0	41.3	112.1	160.7	177.0
105°	0.0	36.9	103.2	150.4	165.2
107.5°	0.0	33.9	95.9	141.6	154.8
110°	0.0	29.5	88.5	132.7	146.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.5	81.1	122.4	135.7
115°	0.0	23.6	75.2	113.6	125.4
117.5°	0.0	22.1	67.8	104.7	116.5
120°	0.0	19.2	61.9	97.3	107.7
122.5°	0.0	17.7	57.5	88.5	98.8
125°	0.0	14.7	51.6	81.1	90.0
127.5°	0.0	13.3	45.7	73.7	81.1
130°	0.0	11.8	41.3	66.4	73.7
132.5°	0.0	10.3	36.9	59.0	66.4
135°	0.0	8.8	32.4	53.1	59.0
137.5°	0.0	7.4	28.0	45.7	51.6
140°	0.0	5.9	23.6	39.8	44.2
142.5°	0.0	4.4	20.6	33.9	38.3
145°	0.0	2.9	16.2	29.5	32.4
147.5°	0.0	2.9	13.3	23.6	26.5
150°	0.0	1.5	8.8	19.2	20.6
152.5°	0.0	1.5	7.4	14.7	14.7
155°	0.0	1.5	4.4	8.8	10.3
157.5°	0.0	0.0	2.9	5.9	5.9
160°	0.0	0.0	1.5	2.9	4.4
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)