

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: P218287

Luminaire Tested: **2SNLED-LD5-23SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218287
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2269.0 lumens
Efficiency: N/A
Efficacy: 112.9 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

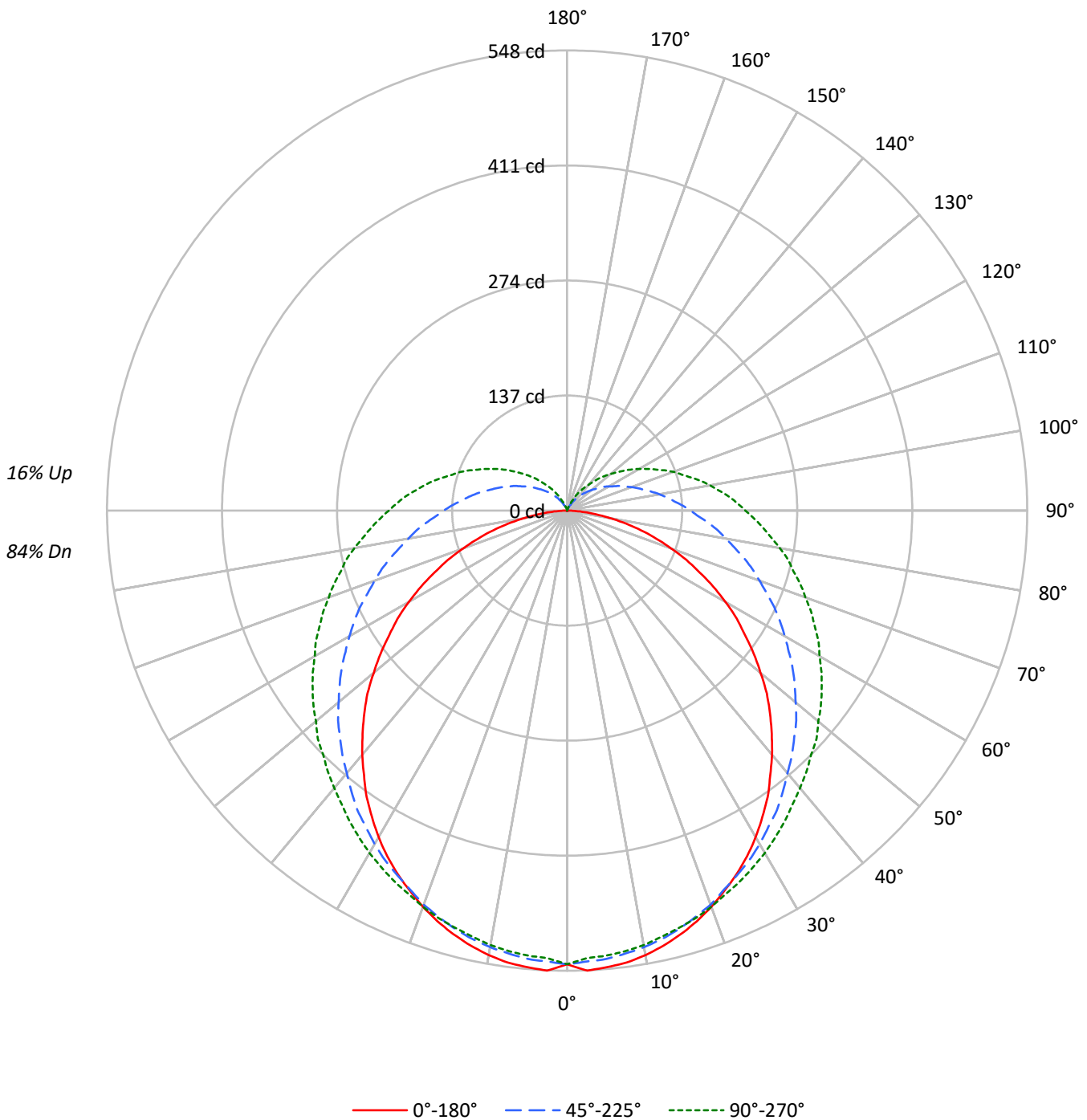
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	17409	17409	17409
5°	17526	16254	15829
10°	17334	15222	14613
15°	17051	14275	13536
20°	16712	13393	12625
25°	16346	12549	11815
30°	15944	11832	11107
35°	15477	11151	10455
40°	14928	10453	9868
45°	14369	9868	9366
50°	13712	9309	8933
55°	12977	8798	8564
60°	12259	8293	8186
65°	11266	7854	7886
70°	10117	7392	7596
75°	8658	7024	7341
80°	6511	6663	7155
85°	3860	6393	6964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	2.3
10°-20°	146.3	6.4
20°-30°	222.4	9.8
30°-40°	272.2	12.0
40°-50°	293.8	12.9
50°-60°	288.5	12.7
60°-70°	259.8	11.5
70°-80°	215.1	9.5
80°-90°	165.5	7.3
90°-100°	124.7	5.5
100°-110°	91.8	4.0
110°-120°	63.3	2.8
120°-130°	40.1	1.8
130°-140°	22.2	1.0
140°-150°	9.6	0.4
150°-160°	2.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	419.8	18.5
0°-40°	692.0	30.5
0°-60°	1274.3	56.2
0°-90°	1914.7	84.4
90°-120°	279.8	12.3
90°-150°	351.8	15.5
90°-180°	354.0	15.6
0°-180°	2269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	540	540	540	540	540	
5°	546	543	536	536	532	52
15°	522	521	516	518	514	147
25°	478	478	479	488	487	220
35°	416	420	436	449	452	260
45°	342	356	382	406	411	263
55°	258	287	328	361	370	232
65°	174	214	272	313	325	173
75°	91	146	218	264	279	97
85°	20	90	169	219	234	23
90°	0	69	147	197	212	1
95°	1	54	128	177	193	0
105°	0	34	95	139	152	0
115°	0	22	69	105	116	0
125°	0	14	48	75	83	0
135°	0	8	30	49	54	0
145°	0	3	15	27	30	0
155°	0	1	4	8	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°	540.2	540.2	540.2	540.2	540.2
2.5°	548.4	544.3	537.5	537.5	533.4
5°	545.7	543.0	536.1	536.1	532.1
7.5°	543.0	540.2	532.1	533.4	529.3
10°	537.5	534.8	528.0	529.3	525.3
12.5°	530.7	528.0	522.5	523.9	519.8
15°	522.5	521.2	515.7	518.5	514.4
17.5°	513.0	511.7	507.6	511.7	508.9
20°	502.1	502.1	499.4	504.9	502.1
22.5°	489.9	489.9	488.5	496.7	494.0
25°	477.6	477.6	479.0	488.5	487.2
27.5°	464.0	465.4	469.5	480.4	479.0
30°	449.1	451.8	458.6	470.8	470.8
32.5°	432.7	435.5	446.3	461.3	461.3
35°	416.4	420.5	435.5	449.1	451.8
37.5°	397.3	404.2	421.8	438.2	440.9
40°	379.7	389.2	408.2	427.3	431.4
42.5°	360.6	372.9	396.0	417.8	421.8
45°	341.6	356.5	382.4	405.5	411.0
47.5°	322.5	338.8	370.1	394.6	402.8
50°	300.7	321.1	355.2	383.7	390.5
52.5°	280.3	303.5	341.6	371.5	381.0
55°	258.5	287.1	327.9	360.6	370.1
57.5°	239.5	268.1	313.0	349.7	359.2
60°	217.7	249.0	299.4	336.1	347.0
62.5°	196.0	232.7	285.8	325.2	337.5
65°	174.2	213.6	272.2	313.0	325.2
67.5°	153.8	196.0	257.2	300.7	314.3
70°	132.0	178.3	243.6	288.5	302.1
72.5°	111.6	161.9	231.3	276.2	291.2
75°	91.2	145.6	217.7	264.0	279.0
77.5°	72.1	130.6	204.1	253.1	269.4
80°	51.7	115.7	191.9	240.9	257.2
82.5°	35.4	102.1	181.0	230.0	244.9
85°	20.4	89.8	168.7	219.1	234.1
87.5°	8.2	78.9	156.5	206.8	223.2
90°	0.0	69.4	147.0	197.3	212.3
92.5°	0.0	61.2	137.4	186.4	202.8
95°	1.4	54.4	127.9	176.9	193.2
97.5°	0.0	47.6	119.7	167.4	182.3
100°	0.0	43.5	111.6	157.9	172.8
102.5°	0.0	38.1	103.4	148.3	163.3
105°	0.0	34.0	95.3	138.8	152.4
107.5°	0.0	31.3	88.5	130.6	142.9
110°	0.0	27.2	81.6	122.5	134.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.5	74.8	112.9	125.2
115°	0.0	21.8	69.4	104.8	115.7
117.5°	0.0	20.4	62.6	96.6	107.5
120°	0.0	17.7	57.2	89.8	99.3
122.5°	0.0	16.3	53.1	81.6	91.2
125°	0.0	13.6	47.6	74.8	83.0
127.5°	0.0	12.2	42.2	68.0	74.8
130°	0.0	10.9	38.1	61.2	68.0
132.5°	0.0	9.5	34.0	54.4	61.2
135°	0.0	8.2	29.9	49.0	54.4
137.5°	0.0	6.8	25.9	42.2	47.6
140°	0.0	5.4	21.8	36.7	40.8
142.5°	0.0	4.1	19.1	31.3	35.4
145°	0.0	2.7	15.0	27.2	29.9
147.5°	0.0	2.7	12.2	21.8	24.5
150°	0.0	1.4	8.2	17.7	19.1
152.5°	0.0	1.4	6.8	13.6	13.6
155°	0.0	1.4	4.1	8.2	9.5
157.5°	0.0	0.0	2.7	5.4	5.4
160°	0.0	0.0	1.4	2.7	4.1
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)