

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: P218288

Luminaire Tested: **2SNLED-LD5-23SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218288  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2410.0 lumens  
Efficiency: N/A  
Efficacy: 119.9 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

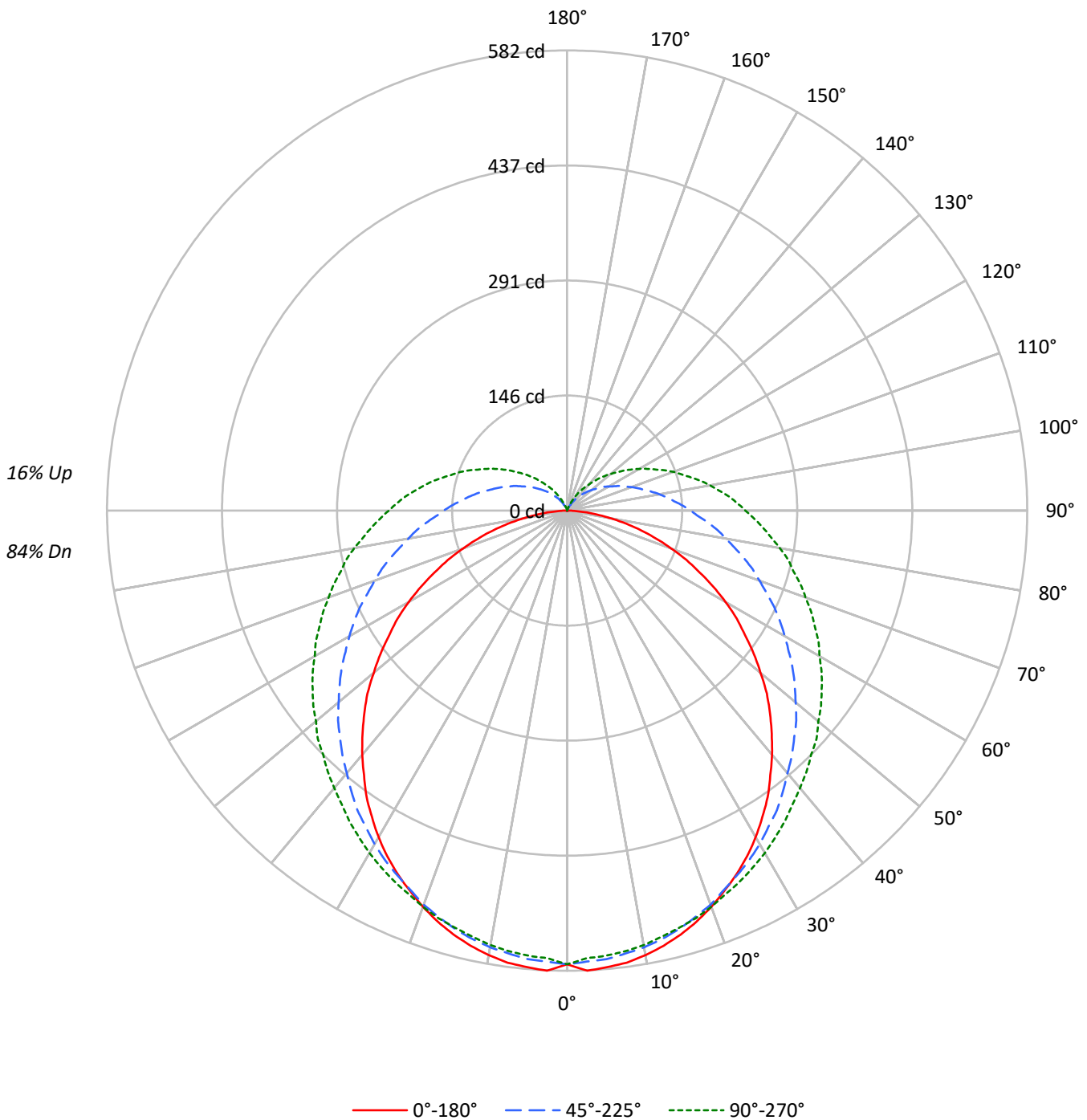
Input Watts (W): 20.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					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°	18492	18492	18492
5°	18614	17266	16810
10°	18411	16168	15520
15°	18112	15164	14375
20°	17750	14224	13409
25°	17363	13330	12547
30°	16934	12567	11798
35°	16440	11843	11105
40°	15856	11103	10481
45°	15261	10480	9947
50°	14564	9886	9489
55°	13785	9345	9096
60°	13025	8808	8696
65°	11965	8341	8376
70°	10745	7851	8069
75°	9190	7463	7797
80°	6914	7076	7600
85°	4106	6791	7395



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	2.3
10°-20°	155.4	6.4
20°-30°	236.2	9.8
30°-40°	289.1	12.0
40°-50°	312.1	12.9
50°-60°	306.4	12.7
60°-70°	275.9	11.4
70°-80°	228.5	9.5
80°-90°	175.7	7.3
90°-100°	132.5	5.5
100°-110°	97.5	4.0
110°-120°	67.3	2.8
120°-130°	42.7	1.8
130°-140°	23.6	1.0
140°-150°	10.2	0.4
150°-160°	2.6	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	445.9	18.5
0°-40°	735.0	30.5
0°-60°	1353.5	56.2
0°-90°	2033.7	84.4
90°-120°	297.2	12.3
90°-150°	373.7	15.5
90°-180°	376.0	15.6
0°-180°	2410.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	574	574	574	574	574	
5°	580	577	570	570	565	55
15°	555	554	548	551	546	156
25°	507	507	509	519	517	234
35°	442	447	462	477	480	276
45°	363	379	406	431	436	280
55°	275	305	348	383	393	246
65°	185	227	289	332	345	184
75°	97	155	231	280	296	103
85°	22	95	179	233	249	25
90°	0	74	156	210	226	1
95°	1	58	136	188	205	0
105°	0	36	101	147	162	0
115°	0	23	74	111	123	0
125°	0	14	51	80	88	0
135°	0	9	32	52	58	0
145°	0	3	16	29	32	0
155°	0	1	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°	573.8	573.8	573.8	573.8	573.8
2.5°	582.5	578.1	570.9	570.9	566.6
5°	579.6	576.7	569.5	569.5	565.1
7.5°	576.7	573.8	565.1	566.6	562.2
10°	570.9	568.0	560.8	562.2	557.9
12.5°	563.7	560.8	555.0	556.5	552.1
15°	555.0	553.6	547.8	550.7	546.3
17.5°	544.9	543.5	539.1	543.5	540.6
20°	533.3	533.3	530.4	536.2	533.3
22.5°	520.3	520.3	518.9	527.6	524.7
25°	507.3	507.3	508.8	518.9	517.4
27.5°	492.9	494.3	498.6	510.2	508.8
30°	477.0	479.9	487.1	500.1	500.1
32.5°	459.6	462.5	474.1	490.0	490.0
35°	442.3	446.6	462.5	477.0	479.9
37.5°	422.0	429.3	448.1	465.4	468.3
40°	403.3	413.4	433.6	453.8	458.2
42.5°	383.0	396.0	420.6	443.7	448.1
45°	362.8	378.7	406.1	430.7	436.5
47.5°	342.5	359.9	393.1	419.2	427.8
50°	319.4	341.1	377.2	407.6	414.8
52.5°	297.7	322.3	362.8	394.6	404.7
55°	274.6	305.0	348.3	383.0	393.1
57.5°	254.4	284.7	332.4	371.5	381.6
60°	231.3	264.5	318.0	357.0	368.6
62.5°	208.1	247.2	303.5	345.4	358.4
65°	185.0	226.9	289.1	332.4	345.4
67.5°	163.3	208.1	273.2	319.4	333.9
70°	140.2	189.3	258.7	306.4	320.9
72.5°	118.5	172.0	245.7	293.4	309.3
75°	96.8	154.7	231.3	280.4	296.3
77.5°	76.6	138.8	216.8	268.8	286.2
80°	54.9	122.9	203.8	255.8	273.2
82.5°	37.6	108.4	192.2	244.3	260.2
85°	21.7	95.4	179.2	232.7	248.6
87.5°	8.7	83.8	166.2	219.7	237.0
90°	0.0	73.7	156.1	209.6	225.5
92.5°	0.0	65.0	146.0	198.0	215.4
95°	1.4	57.8	135.9	187.9	205.2
97.5°	0.0	50.6	127.2	177.8	193.7
100°	0.0	46.3	118.5	167.7	183.6
102.5°	0.0	40.5	109.8	157.5	173.4
105°	0.0	36.1	101.2	147.4	161.9
107.5°	0.0	33.2	93.9	138.8	151.8
110°	0.0	28.9	86.7	130.1	143.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.0	79.5	120.0	133.0
115°	0.0	23.1	73.7	111.3	122.9
117.5°	0.0	21.7	66.5	102.6	114.2
120°	0.0	18.8	60.7	95.4	105.5
122.5°	0.0	17.3	56.4	86.7	96.8
125°	0.0	14.5	50.6	79.5	88.2
127.5°	0.0	13.0	44.8	72.3	79.5
130°	0.0	11.6	40.5	65.0	72.3
132.5°	0.0	10.1	36.1	57.8	65.0
135°	0.0	8.7	31.8	52.0	57.8
137.5°	0.0	7.2	27.5	44.8	50.6
140°	0.0	5.8	23.1	39.0	43.4
142.5°	0.0	4.3	20.2	33.2	37.6
145°	0.0	2.9	15.9	28.9	31.8
147.5°	0.0	2.9	13.0	23.1	26.0
150°	0.0	1.4	8.7	18.8	20.2
152.5°	0.0	1.4	7.2	14.5	14.5
155°	0.0	1.4	4.3	8.7	10.1
157.5°	0.0	0.0	2.9	5.8	5.8
160°	0.0	0.0	1.4	2.9	4.3
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)