

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: P218164

Luminaire Tested: **2SNLED-LD5-22SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2289.0 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

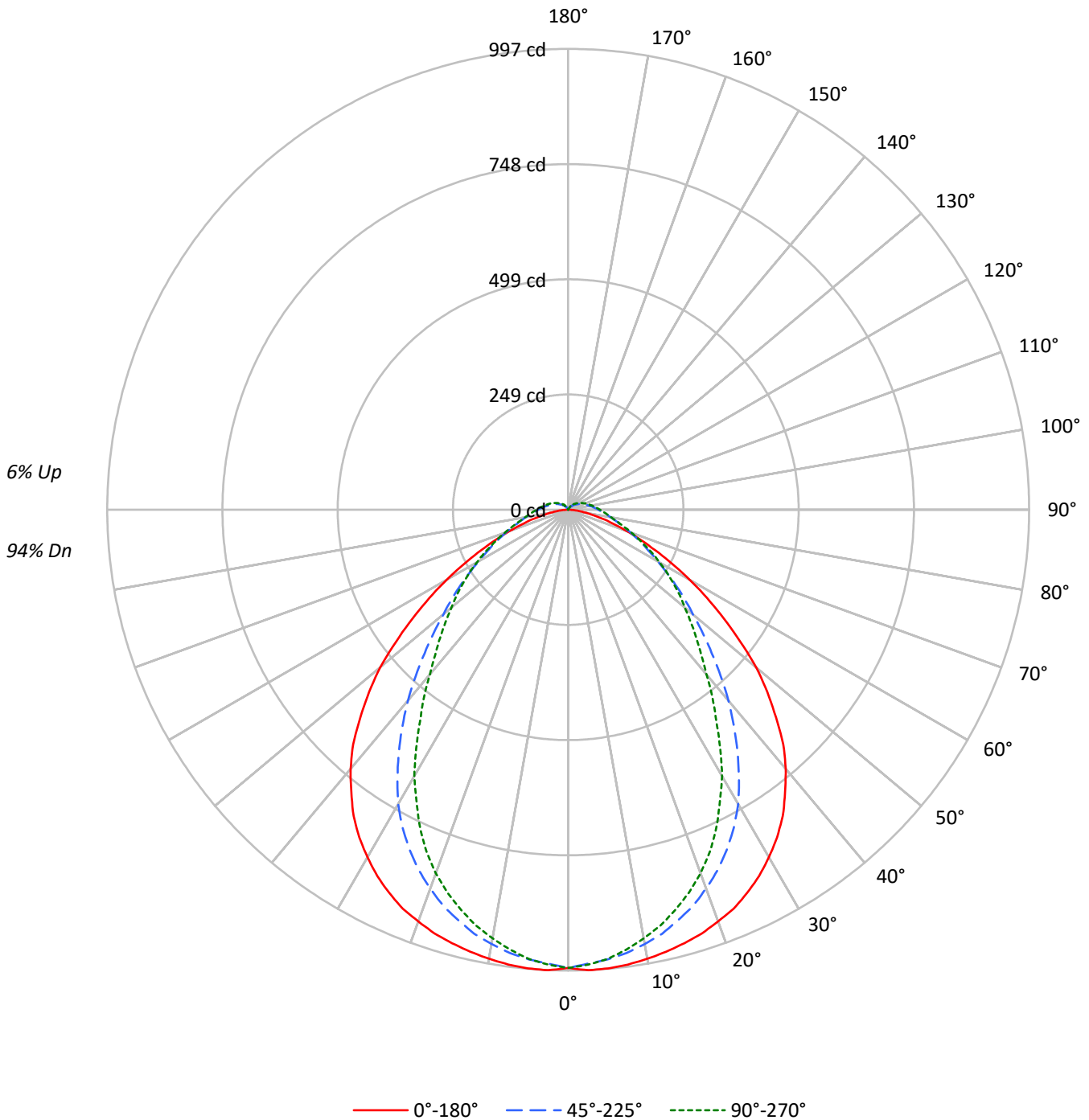
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31947	31947	31947
5°	31991	29615	29022
10°	31814	27501	26203
15°	31681	25439	23577
20°	31550	23382	21043
25°	31327	21263	18397
30°	30826	18979	15705
35°	30077	16336	12921
40°	28779	13805	10648
45°	26732	11329	8931
50°	24195	9228	7531
55°	20642	7604	6419
60°	17113	6213	5377
65°	13414	5150	4445
70°	10263	4318	3668
75°	7557	3659	3047
80°	5013	3226	2618
85°	2743	2926	2368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	4.1
10°-20°	261.6	11.4
20°-30°	378.8	16.5
30°-40°	412.2	18.0
40°-50°	366.1	16.0
50°-60°	278.7	12.2
60°-70°	185.0	8.1
70°-80°	112.7	4.9
80°-90°	69.9	3.1
90°-100°	47.7	2.1
100°-110°	33.5	1.5
110°-120°	22.8	1.0
120°-130°	14.5	0.6
130°-140°	8.2	0.4
140°-150°	3.9	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	733.5	32.0
0°-40°	1145.7	50.1
0°-60°	1790.5	78.2
0°-90°	2158.1	94.3
90°-120°	104.0	4.5
90°-150°	130.6	5.7
90°-180°	131.0	5.7
0°-180°	2289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	996	990	977	982	976	95
15°	971	954	919	908	896	274
25°	915	874	812	779	759	421
35°	809	737	638	582	558	504
45°	636	540	439	402	392	489
55°	411	334	283	279	277	369
65°	207	178	178	186	183	209
75°	80	90	113	119	116	86
85°	14	46	77	82	80	17
90°	0	34	65	71	69	1
95°	0	26	56	62	60	0
105°	0	17	40	46	46	0
115°	0	11	29	35	34	0
125°	0	7	19	24	24	0
135°	0	5	13	17	17	0
145°	0	2	7	10	10	0
155°	0	0	0	0	0	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°	991.3	991.3	991.3	991.3	991.3
2.5°	997.3	992.5	982.9	988.9	985.3
5°	996.1	990.1	976.8	981.7	975.6
7.5°	992.5	985.3	967.2	969.6	960.0
10°	986.5	976.8	953.9	951.5	941.9
12.5°	979.3	967.2	939.5	931.0	921.4
15°	970.8	953.9	919.0	908.1	896.0
17.5°	961.2	938.2	898.5	881.6	868.3
20°	947.9	920.2	871.9	851.4	836.9
22.5°	934.6	898.5	844.2	816.4	800.8
25°	915.3	874.3	811.6	779.1	758.6
27.5°	893.6	846.6	775.4	733.2	710.3
30°	868.3	814.0	735.6	686.2	665.7
32.5°	840.6	777.9	687.4	634.3	611.4
35°	809.2	736.8	638.0	582.5	558.4
37.5°	770.6	692.2	588.5	531.8	512.5
40°	732.0	645.2	539.1	486.0	465.5
42.5°	688.6	593.3	488.4	440.2	425.7
45°	635.5	540.3	439.0	401.6	391.9
47.5°	583.7	486.0	394.4	367.8	359.4
50°	530.6	432.9	352.1	335.3	329.2
52.5°	469.1	381.1	317.2	306.3	303.9
55°	411.2	334.1	283.4	278.6	277.4
57.5°	355.8	289.4	252.0	255.7	253.3
60°	303.9	248.4	224.3	229.1	227.9
62.5°	253.3	211.0	199.0	208.6	206.2
65°	207.4	178.5	178.5	185.7	183.3
67.5°	167.6	152.0	159.2	166.4	164.0
70°	133.9	127.8	142.3	148.3	145.9
72.5°	103.7	107.3	125.4	132.7	129.0
75°	79.6	90.4	113.4	119.4	115.8
77.5°	56.7	76.0	102.5	107.3	103.7
80°	39.8	63.9	92.9	97.7	94.1
82.5°	25.3	54.3	84.4	89.2	86.8
85°	14.5	45.8	77.2	82.0	79.6
87.5°	7.2	39.8	69.9	76.0	73.6
90°	0.0	33.8	65.1	71.2	68.7
92.5°	0.0	30.1	60.3	66.3	63.9
95°	0.0	26.5	55.5	61.5	60.3
97.5°	0.0	24.1	51.9	57.9	55.5
100°	0.0	20.5	47.0	53.1	51.9
102.5°	0.0	19.3	43.4	49.4	48.2
105°	0.0	16.9	39.8	45.8	45.8
107.5°	0.0	15.7	37.4	43.4	42.2
110°	0.0	13.3	33.8	39.8	39.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.1	31.4	37.4	36.2
115°	0.0	10.9	28.9	35.0	33.8
117.5°	0.0	10.9	26.5	31.4	31.4
120°	0.0	9.6	24.1	28.9	28.9
122.5°	0.0	8.4	21.7	26.5	26.5
125°	0.0	7.2	19.3	24.1	24.1
127.5°	0.0	7.2	18.1	22.9	22.9
130°	0.0	6.0	15.7	20.5	20.5
132.5°	0.0	4.8	14.5	18.1	18.1
135°	0.0	4.8	13.3	16.9	16.9
137.5°	0.0	3.6	10.9	14.5	14.5
140°	0.0	3.6	9.6	13.3	13.3
142.5°	0.0	2.4	8.4	12.1	10.9
145°	0.0	2.4	7.2	9.6	9.6
147.5°	0.0	1.2	6.0	8.4	8.4
150°	0.0	1.2	4.8	7.2	6.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)