

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: P218044

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2357.9 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

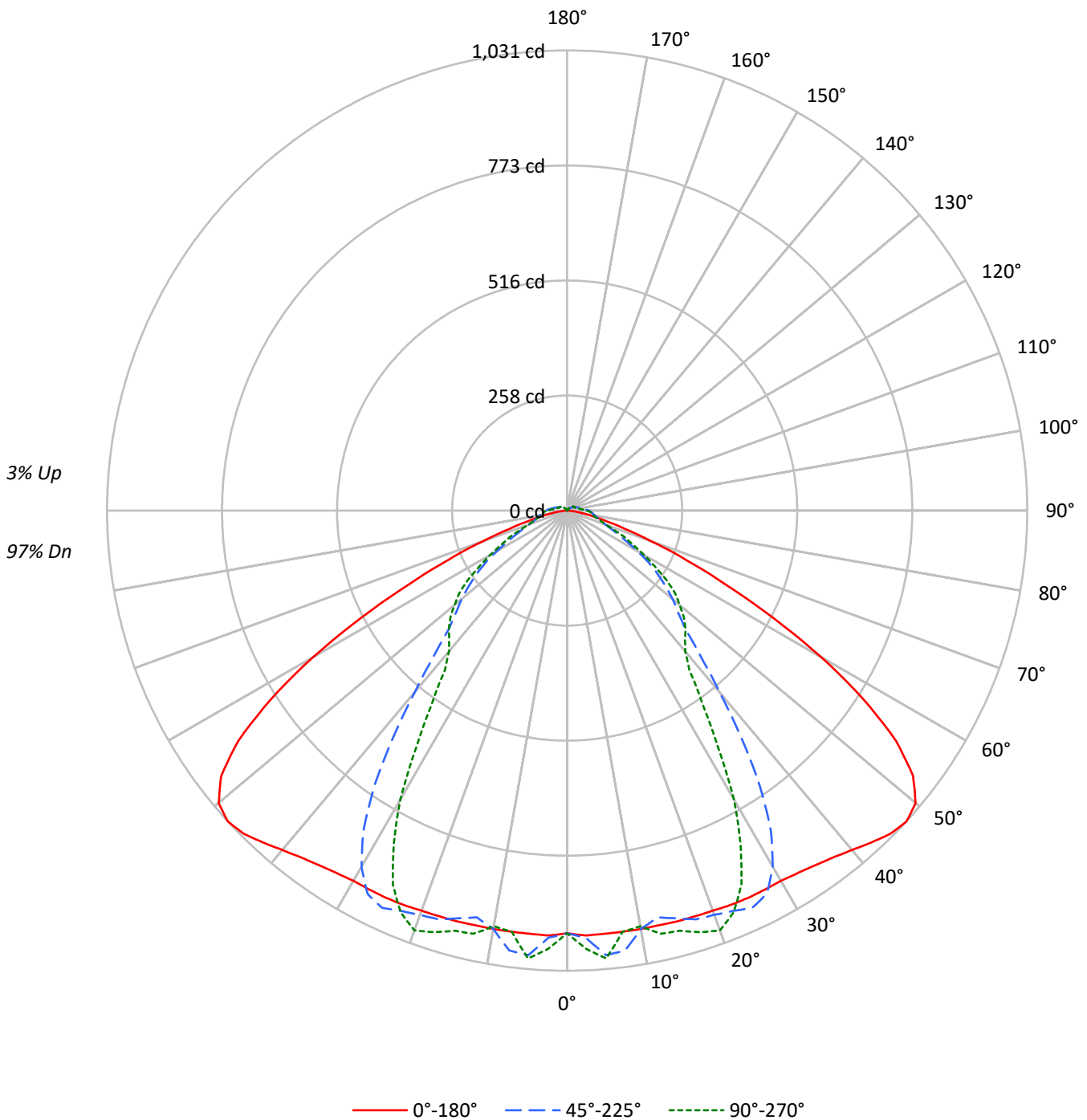
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30516	30516	30516
5°	30565	30315	29962
10°	30692	27437	26309
15°	31097	26178	25645
20°	31756	25847	25172
25°	32778	25722	22408
30°	34000	23775	17642
35°	36047	19273	12225
40°	39028	13590	9409
45°	43078	9649	8548
50°	46475	8093	7533
55°	45170	6635	6280
60°	37086	5011	4695
65°	25275	3618	3451
70°	15436	2746	2366
75°	8478	2336	1874
80°	4559	2177	1611
85°	1816	2103	1615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	3.9
10°-20°	274.1	11.6
20°-30°	435.6	18.5
30°-40°	469.7	19.9
40°-50°	404.8	17.2
50°-60°	306.4	13.0
60°-70°	165.6	7.0
70°-80°	78.6	3.3
80°-90°	49.4	2.1
90°-100°	31.4	1.3
100°-110°	20.1	0.9
110°-120°	13.5	0.6
120°-130°	8.9	0.4
130°-140°	4.3	0.2
140°-150°	1.8	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	802.8	34.0
0°-40°	1272.4	54.0
0°-60°	1983.7	84.1
0°-90°	2277.2	96.6
90°-120°	65.0	2.8
90°-150°	80.0	3.4
90°-180°	81.0	3.4
0°-180°	2357.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	952	972	1000	1013	1007	91
15°	953	978	946	978	975	270
25°	958	940	982	955	924	443
35°	970	934	753	575	528	611
45°	1024	642	374	370	375	788
55°	900	277	247	270	271	783
65°	391	118	125	141	142	401
75°	89	62	72	72	71	105
85°	10	37	56	56	54	14
90°	0	29	48	47	43	0
95°	0	23	39	35	33	0
105°	0	14	26	24	22	0
115°	0	8	18	18	18	0
125°	0	5	12	16	14	0
135°	0	2	7	8	8	0
145°	0	1	4	5	4	0
155°	0	1	1	2	1	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°	946.9	946.9	946.9	946.9	946.9
2.5°	952.9	954.1	957.7	975.8	983.1
5°	951.7	972.2	999.9	1013.2	1007.2
7.5°	951.7	993.9	993.9	968.6	951.7
10°	951.7	1006.0	951.7	946.9	945.7
12.5°	951.7	998.7	933.6	967.4	971.0
15°	952.9	978.2	945.7	978.2	974.6
17.5°	952.9	954.1	960.1	985.5	990.3
20°	954.1	938.4	963.8	1004.8	1001.1
22.5°	956.5	936.0	971.0	996.3	974.6
25°	957.7	939.6	981.8	955.3	924.0
27.5°	957.7	944.5	968.6	892.6	840.7
30°	957.7	946.9	921.5	805.7	747.8
32.5°	962.5	944.5	849.2	692.4	629.6
35°	969.8	933.6	752.7	575.4	528.3
37.5°	979.4	904.7	639.3	481.3	449.9
40°	992.7	841.9	530.7	421.0	411.3
42.5°	1008.4	750.3	441.5	390.8	390.8
45°	1024.1	641.7	373.9	370.3	375.1
47.5°	1031.3	535.6	336.5	349.8	354.6
50°	1019.2	436.6	308.8	326.9	329.3
52.5°	977.0	348.6	277.4	299.1	305.2
55°	899.8	277.4	247.3	270.2	271.4
57.5°	787.6	220.7	215.9	234.0	232.8
60°	658.6	178.5	180.9	199.0	199.0
62.5°	519.9	144.7	152.0	167.7	166.5
65°	390.8	118.2	125.4	141.1	142.3
67.5°	288.3	97.7	106.1	117.0	114.6
70°	201.4	82.0	90.5	96.5	94.1
72.5°	133.9	70.0	79.6	82.0	80.8
75°	89.3	61.5	72.4	72.4	71.2
77.5°	57.9	54.3	67.5	66.3	63.9
80°	36.2	48.2	62.7	60.3	57.9
82.5°	21.7	42.2	59.1	56.7	54.3
85°	9.6	37.4	55.5	55.5	54.3
87.5°	3.6	33.8	51.9	53.1	50.7
90°	0.0	28.9	48.2	47.0	43.4
92.5°	0.0	26.5	43.4	39.8	37.4
95°	0.0	22.9	38.6	35.0	32.6
97.5°	0.0	20.5	35.0	31.4	28.9
100°	0.0	18.1	31.4	27.7	25.3
102.5°	0.0	15.7	28.9	25.3	24.1
105°	0.0	14.5	26.5	24.1	21.7
107.5°	0.0	13.3	24.1	21.7	20.5
110°	0.0	10.9	21.7	20.5	19.3



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CANDELA DISTRIBUTION (continued):

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