

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: P218062

Luminaire Tested: **4SNLED-LD5-22SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218062
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: 4SNLED-LD5-22SL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2628.0 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

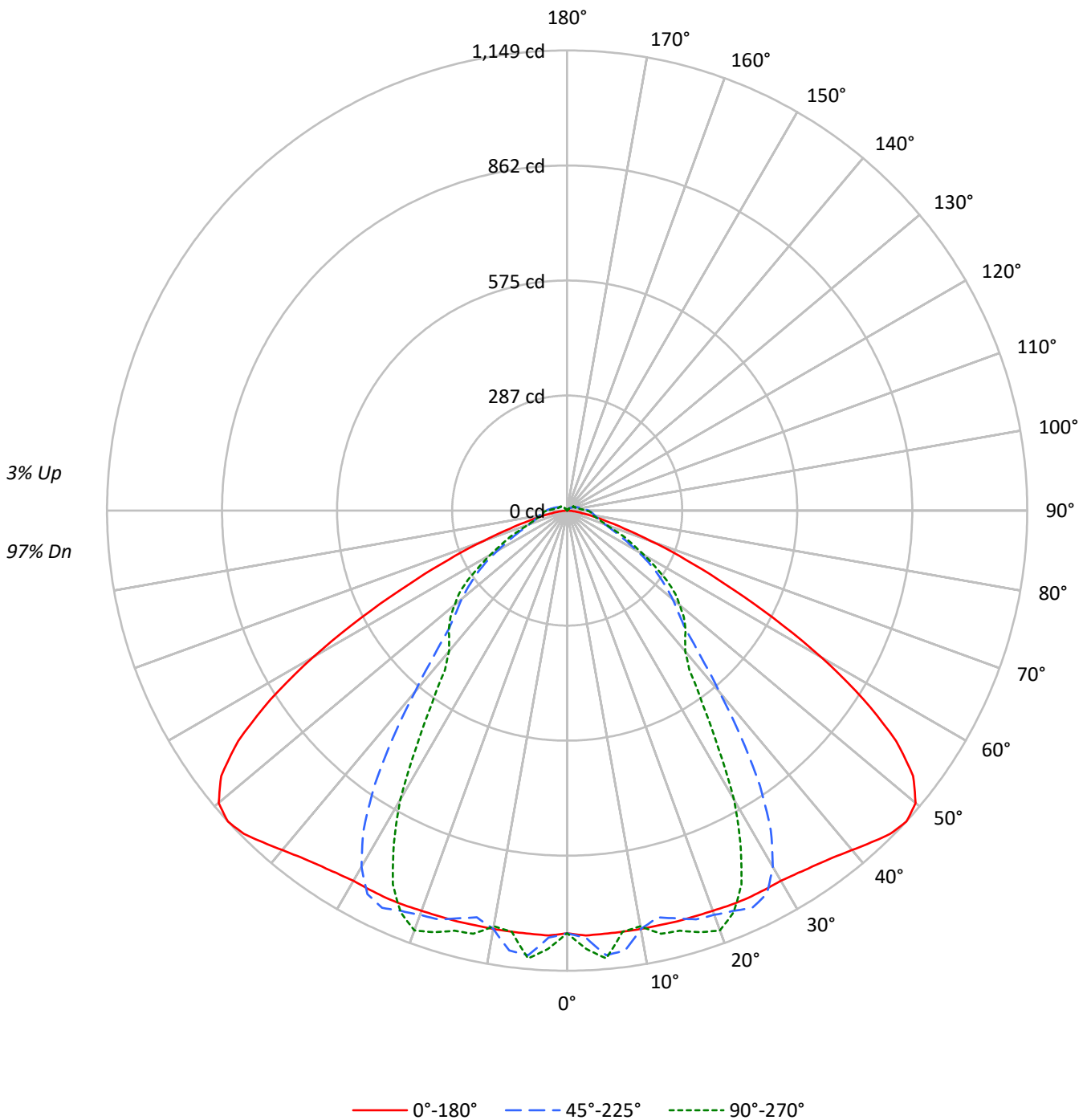
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17005	17005	17005
5°	17095	16934	16696
10°	17229	15360	14659
15°	17520	14683	14291
20°	17962	14524	14028
25°	18615	14482	12485
30°	19393	13408	9832
35°	20657	10887	6812
40°	22485	7689	5243
45°	24966	5468	4764
50°	27126	4593	4198
55°	26589	3773	3500
60°	22060	2855	2616
65°	15244	2066	1923
70°	9489	1571	1319
75°	5360	1340	1043
80°	3024	1253	897
85°	1352	1213	900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.7	3.9
10°-20°	305.5	11.6
20°-30°	485.5	18.5
30°-40°	523.4	19.9
40°-50°	451.1	17.2
50°-60°	341.5	13.0
60°-70°	184.5	7.0
70°-80°	87.6	3.3
80°-90°	55.0	2.1
90°-100°	35.0	1.3
100°-110°	22.4	0.9
110°-120°	15.0	0.6
120°-130°	9.9	0.4
130°-140°	4.8	0.2
140°-150°	2.1	0.1
150°-160°	0.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	894.7	34.0
0°-40°	1418.1	54.0
0°-60°	2210.8	84.1
0°-90°	2538.0	96.6
90°-120°	72.5	2.8
90°-150°	89.2	3.4
90°-180°	90.0	3.4
0°-180°	2628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1055	1055	1055	1055	1055	
5°	1061	1084	1114	1129	1122	101
15°	1062	1090	1054	1090	1086	301
25°	1067	1047	1094	1065	1030	494
35°	1081	1040	839	641	589	681
45°	1141	715	417	413	418	879
55°	1003	309	276	301	302	872
65°	436	132	140	157	159	447
75°	100	69	81	81	79	117
85°	11	42	62	62	60	16
90°	0	32	54	52	48	1
95°	0	26	43	39	36	0
105°	0	16	30	27	24	0
115°	0	9	20	20	20	0
125°	0	5	13	18	16	0
135°	0	3	8	9	9	0
145°	0	1	4	5	4	0
155°	0	1	1	3	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°	1055.3	1055.3	1055.3	1055.3	1055.3
2.5°	1062.0	1063.4	1067.4	1087.6	1095.6
5°	1060.7	1083.5	1114.4	1129.2	1122.5
7.5°	1060.7	1107.7	1107.7	1079.5	1060.7
10°	1060.7	1121.2	1060.7	1055.3	1053.9
12.5°	1060.7	1113.1	1040.5	1078.1	1082.2
15°	1062.0	1090.2	1053.9	1090.2	1086.2
17.5°	1062.0	1063.4	1070.1	1098.3	1103.7
20°	1063.4	1045.9	1074.1	1119.8	1115.8
22.5°	1066.0	1043.2	1082.2	1110.4	1086.2
25°	1067.4	1047.2	1094.3	1064.7	1029.7
27.5°	1067.4	1052.6	1079.5	994.8	937.0
30°	1067.4	1055.3	1027.1	898.0	833.5
32.5°	1072.8	1052.6	946.4	771.6	701.7
35°	1080.8	1040.5	838.9	641.2	588.8
37.5°	1091.6	1008.2	712.5	536.4	501.4
40°	1106.4	938.3	591.5	469.2	458.4
42.5°	1123.8	836.2	492.0	435.6	435.6
45°	1141.3	715.2	416.7	412.7	418.1
47.5°	1149.4	596.9	375.1	389.9	395.2
50°	1135.9	486.6	344.1	364.3	367.0
52.5°	1088.9	388.5	309.2	333.4	340.1
55°	1002.9	309.2	275.6	301.1	302.5
57.5°	877.8	246.0	240.6	260.8	259.5
60°	734.0	199.0	201.6	221.8	221.8
62.5°	579.4	161.3	169.4	186.9	185.5
65°	435.6	131.7	139.8	157.3	158.6
67.5°	321.3	108.9	118.3	130.4	127.7
70°	224.5	91.4	100.8	107.5	104.9
72.5°	149.2	78.0	88.7	91.4	90.1
75°	99.5	68.6	80.7	80.7	79.3
77.5°	64.5	60.5	75.3	73.9	71.2
80°	40.3	53.8	69.9	67.2	64.5
82.5°	24.2	47.1	65.9	63.2	60.5
85°	10.8	41.7	61.8	61.8	60.5
87.5°	4.0	37.6	57.8	59.1	56.5
90°	0.0	32.3	53.8	52.4	48.4
92.5°	0.0	29.6	48.4	44.4	41.7
95°	0.0	25.5	43.0	39.0	36.3
97.5°	0.0	22.9	39.0	35.0	32.3
100°	0.0	20.2	35.0	30.9	28.2
102.5°	0.0	17.5	32.3	28.2	26.9
105°	0.0	16.1	29.6	26.9	24.2
107.5°	0.0	14.8	26.9	24.2	22.9
110°	0.0	12.1	24.2	22.9	21.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.8	21.5	21.5	21.5
115°	0.0	9.4	20.2	20.2	20.2
117.5°	0.0	8.1	17.5	20.2	20.2
120°	0.0	8.1	16.1	18.8	18.8
122.5°	0.0	6.7	14.8	18.8	18.8
125°	0.0	5.4	13.4	17.5	16.1
127.5°	0.0	4.0	12.1	14.8	14.8
130°	0.0	4.0	10.8	13.4	12.1
132.5°	0.0	2.7	9.4	10.8	10.8
135°	0.0	2.7	8.1	9.4	9.4
137.5°	0.0	2.7	6.7	8.1	6.7
140°	0.0	1.3	5.4	6.7	5.4
142.5°	0.0	1.3	5.4	6.7	5.4
145°	0.0	1.3	4.0	5.4	4.0
147.5°	0.0	1.3	2.7	4.0	4.0
150°	0.0	1.3	2.7	4.0	2.7
152.5°	0.0	1.3	2.7	2.7	1.3
155°	0.0	1.3	1.3	2.7	1.3
157.5°	0.0	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	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)