

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: P218060

Luminaire Tested: **4SNLED-LD5-22SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218060
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2382.0 lumens
Efficiency: N/A
Efficacy: 148.9 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

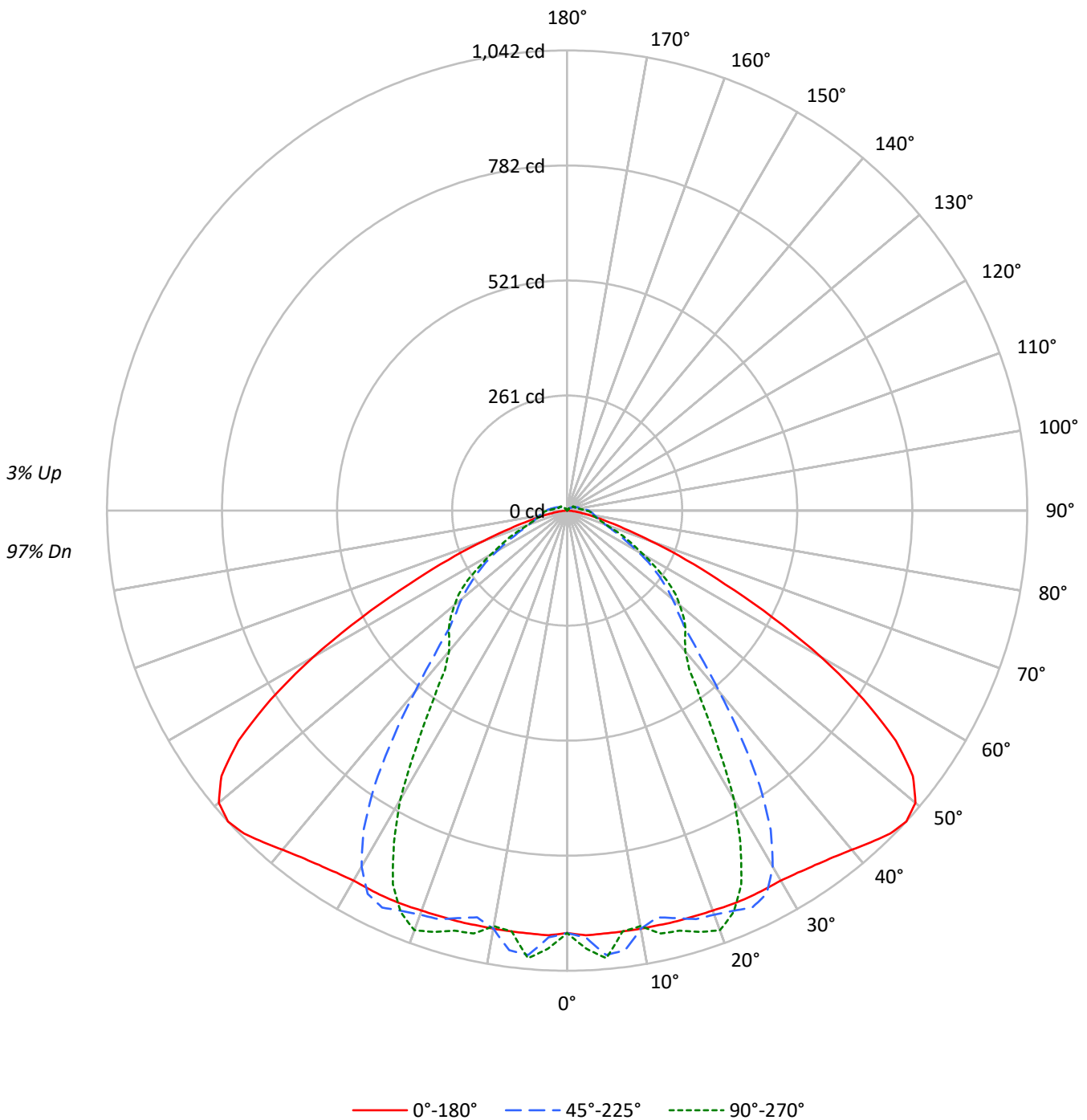
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	57	65	60	57	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°	15413	15413	15413
5°	15494	15349	15133
10°	15616	13922	13288
15°	15881	13309	12953
20°	16280	13165	12714
25°	16873	13125	11318
30°	17578	12152	8912
35°	18724	9867	6175
40°	20380	6969	4752
45°	22630	4956	4317
50°	24587	4164	3804
55°	24100	3420	3172
60°	19995	2589	2371
65°	13816	1873	1744
70°	8601	1424	1194
75°	4859	1214	946
80°	2746	1136	814
85°	1214	1101	815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	3.9
10°-20°	276.9	11.6
20°-30°	440.0	18.5
30°-40°	474.4	19.9
40°-50°	408.9	17.2
50°-60°	309.6	13.0
60°-70°	167.2	7.0
70°-80°	79.4	3.3
80°-90°	49.9	2.1
90°-100°	31.7	1.3
100°-110°	20.3	0.9
110°-120°	13.6	0.6
120°-130°	9.0	0.4
130°-140°	4.4	0.2
140°-150°	1.9	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	810.9	34.0
0°-40°	1285.4	54.0
0°-60°	2003.9	84.1
0°-90°	2300.4	96.6
90°-120°	65.6	2.8
90°-150°	80.9	3.4
90°-180°	82.0	3.4
0°-180°	2382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	961	982	1010	1024	1017	92
15°	963	988	955	988	984	273
25°	968	949	992	965	933	448
35°	980	943	760	581	534	617
45°	1034	648	378	374	379	796
55°	909	280	250	273	274	791
65°	395	119	127	143	144	405
75°	90	62	73	73	72	106
85°	10	38	56	56	55	14
90°	0	29	49	48	44	1
95°	0	23	39	35	33	0
105°	0	15	27	24	22	0
115°	0	8	18	18	18	0
125°	0	5	12	16	15	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°	956.5	956.5	956.5	956.5	956.5
2.5°	962.6	963.8	967.5	985.7	993.1
5°	961.4	982.1	1010.1	1023.5	1017.4
7.5°	961.4	1004.0	1004.0	978.4	961.4
10°	961.4	1016.2	961.4	956.5	955.3
12.5°	961.4	1008.9	943.1	977.2	980.9
15°	962.6	988.2	955.3	988.2	984.5
17.5°	962.6	963.8	969.9	995.5	1000.4
20°	963.8	948.0	973.6	1015.0	1011.3
22.5°	966.3	945.5	980.9	1006.5	984.5
25°	967.5	949.2	991.8	965.0	933.4
27.5°	967.5	954.1	978.4	901.7	849.3
30°	967.5	956.5	930.9	813.9	755.5
32.5°	972.3	954.1	857.8	699.4	636.0
35°	979.7	943.1	760.3	581.2	533.7
37.5°	989.4	913.9	645.8	486.2	454.5
40°	1002.8	850.5	536.1	425.2	415.5
42.5°	1018.6	757.9	446.0	394.8	394.8
45°	1034.5	648.2	377.7	374.1	378.9
47.5°	1041.8	541.0	340.0	353.4	358.2
50°	1029.6	441.1	311.9	330.2	332.6
52.5°	987.0	352.1	280.3	302.2	308.3
55°	909.0	280.3	249.8	272.9	274.2
57.5°	795.7	223.0	218.1	236.4	235.2
60°	665.3	180.3	182.8	201.0	201.0
62.5°	525.2	146.2	153.5	169.4	168.2
65°	394.8	119.4	126.7	142.6	143.8
67.5°	291.2	98.7	107.2	118.2	115.8
70°	203.5	82.9	91.4	97.5	95.0
72.5°	135.3	70.7	80.4	82.9	81.6
75°	90.2	62.1	73.1	73.1	71.9
77.5°	58.5	54.8	68.2	67.0	64.6
80°	36.6	48.7	63.4	60.9	58.5
82.5°	21.9	42.6	59.7	57.3	54.8
85°	9.7	37.8	56.1	56.1	54.8
87.5°	3.7	34.1	52.4	53.6	51.2
90°	0.0	29.2	48.7	47.5	43.9
92.5°	0.0	26.8	43.9	40.2	37.8
95°	0.0	23.2	39.0	35.3	32.9
97.5°	0.0	20.7	35.3	31.7	29.2
100°	0.0	18.3	31.7	28.0	25.6
102.5°	0.0	15.8	29.2	25.6	24.4
105°	0.0	14.6	26.8	24.4	21.9
107.5°	0.0	13.4	24.4	21.9	20.7
110°	0.0	11.0	21.9	20.7	19.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.7	19.5	19.5	19.5
115°	0.0	8.5	18.3	18.3	18.3
117.5°	0.0	7.3	15.8	18.3	18.3
120°	0.0	7.3	14.6	17.1	17.1
122.5°	0.0	6.1	13.4	17.1	17.1
125°	0.0	4.9	12.2	15.8	14.6
127.5°	0.0	3.7	11.0	13.4	13.4
130°	0.0	3.7	9.7	12.2	11.0
132.5°	0.0	2.4	8.5	9.7	9.7
135°	0.0	2.4	7.3	8.5	8.5
137.5°	0.0	2.4	6.1	7.3	6.1
140°	0.0	1.2	4.9	6.1	4.9
142.5°	0.0	1.2	4.9	6.1	4.9
145°	0.0	1.2	3.7	4.9	3.7
147.5°	0.0	1.2	2.4	3.7	3.7
150°	0.0	1.2	2.4	3.7	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)