

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: P218180

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218180
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: 4SNLED-LD5-22SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2313.0 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

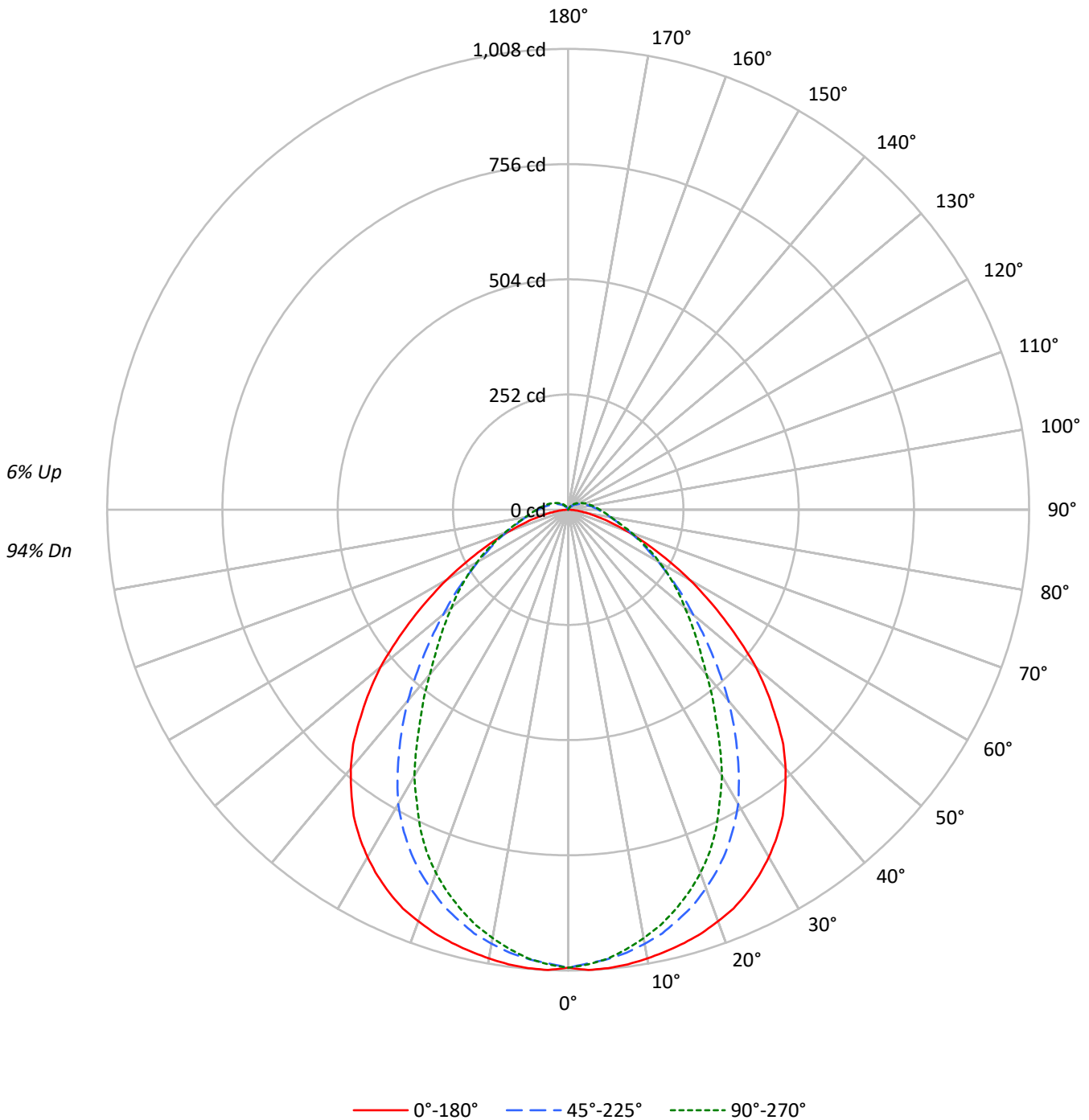
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	16141	16141	16141
5°	16223	15000	14664
10°	16191	13959	13238
15°	16184	12937	11912
20°	16178	11915	10632
25°	16130	10853	9294
30°	15941	9705	7935
35°	15628	8365	6528
40°	15033	7081	5380
45°	14048	5821	4513
50°	12805	4750	3805
55°	11016	3921	3243
60°	9230	3210	2717
65°	7335	2666	2246
70°	5718	2240	1854
75°	4331	1903	1539
80°	3016	1681	1323
85°	1827	1531	1196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	4.1
10°-20°	264.3	11.4
20°-30°	382.7	16.5
30°-40°	416.6	18.0
40°-50°	370.0	16.0
50°-60°	281.6	12.2
60°-70°	187.0	8.1
70°-80°	113.9	4.9
80°-90°	70.6	3.1
90°-100°	48.2	2.1
100°-110°	33.8	1.5
110°-120°	23.0	1.0
120°-130°	14.6	0.6
130°-140°	8.3	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°	741.2	32.0
0°-40°	1157.8	50.1
0°-60°	1809.3	78.2
0°-90°	2180.8	94.3
90°-120°	105.1	4.5
90°-150°	131.9	5.7
90°-180°	132.0	5.7
0°-180°	2313.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	1007	1000	987	992	986	96
15°	981	964	929	918	905	277
25°	925	884	820	787	766	426
35°	818	745	645	589	564	509
45°	642	546	444	406	396	495
55°	416	338	286	282	280	373
65°	210	180	180	188	185	211
75°	80	91	115	121	117	87
85°	15	46	78	83	80	17
90°	0	34	66	72	70	1
95°	0	27	56	62	61	0
105°	0	17	40	46	46	0
115°	0	11	29	35	34	0
125°	0	7	20	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°	1001.7	1001.7	1001.7	1001.7	1001.7
2.5°	1007.8	1002.9	993.2	999.3	995.6
5°	1006.6	1000.5	987.1	992.0	985.9
7.5°	1002.9	995.6	977.3	979.8	970.0
10°	996.8	987.1	963.9	961.5	951.7
12.5°	989.5	977.3	949.3	940.8	931.0
15°	981.0	963.9	928.6	917.6	905.4
17.5°	971.2	948.1	907.9	890.8	877.4
20°	957.8	929.8	881.1	860.3	845.7
22.5°	944.4	907.9	853.0	825.0	809.2
25°	924.9	883.5	820.1	787.2	766.5
27.5°	903.0	855.5	783.6	740.9	717.8
30°	877.4	822.6	743.4	693.4	672.7
32.5°	849.4	786.0	694.6	641.0	617.8
35°	817.7	744.6	644.6	588.6	564.2
37.5°	778.7	699.5	594.7	537.4	517.9
40°	739.7	652.0	544.7	491.1	470.4
42.5°	695.8	599.6	493.5	444.8	430.2
45°	642.2	545.9	443.6	405.8	396.1
47.5°	589.8	491.1	398.5	371.7	363.1
50°	536.2	437.5	355.8	338.8	332.7
52.5°	474.0	385.1	320.5	309.5	307.1
55°	415.5	337.6	286.4	281.5	280.3
57.5°	359.5	292.5	254.7	258.3	255.9
60°	307.1	251.0	226.7	231.5	230.3
62.5°	255.9	213.3	201.1	210.8	208.4
65°	209.6	180.4	180.4	187.7	185.2
67.5°	169.4	153.5	160.9	168.2	165.7
70°	135.3	129.2	143.8	149.9	147.5
72.5°	104.8	108.5	126.7	134.0	130.4
75°	80.4	91.4	114.6	120.6	117.0
77.5°	57.3	76.8	103.6	108.5	104.8
80°	40.2	64.6	93.8	98.7	95.1
82.5°	25.6	54.8	85.3	90.2	87.7
85°	14.6	46.3	78.0	82.9	80.4
87.5°	7.3	40.2	70.7	76.8	74.3
90°	0.0	34.1	65.8	71.9	69.5
92.5°	0.0	30.5	60.9	67.0	64.6
95°	0.0	26.8	56.1	62.1	60.9
97.5°	0.0	24.4	52.4	58.5	56.1
100°	0.0	20.7	47.5	53.6	52.4
102.5°	0.0	19.5	43.9	50.0	48.7
105°	0.0	17.1	40.2	46.3	46.3
107.5°	0.0	15.8	37.8	43.9	42.7
110°	0.0	13.4	34.1	40.2	40.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.2	31.7	37.8	36.6
115°	0.0	11.0	29.2	35.3	34.1
117.5°	0.0	11.0	26.8	31.7	31.7
120°	0.0	9.7	24.4	29.2	29.2
122.5°	0.0	8.5	21.9	26.8	26.8
125°	0.0	7.3	19.5	24.4	24.4
127.5°	0.0	7.3	18.3	23.2	23.2
130°	0.0	6.1	15.8	20.7	20.7
132.5°	0.0	4.9	14.6	18.3	18.3
135°	0.0	4.9	13.4	17.1	17.1
137.5°	0.0	3.7	11.0	14.6	14.6
140°	0.0	3.7	9.7	13.4	13.4
142.5°	0.0	2.4	8.5	12.2	11.0
145°	0.0	2.4	7.3	9.7	9.7
147.5°	0.0	1.2	6.1	8.5	8.5
150°	0.0	1.2	4.9	7.3	6.1
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)