

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: P218061

Luminaire Tested: **4SNLED-LD5-22SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218061
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2429.9 lumens
Efficiency: N/A
Efficacy: 151.9 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

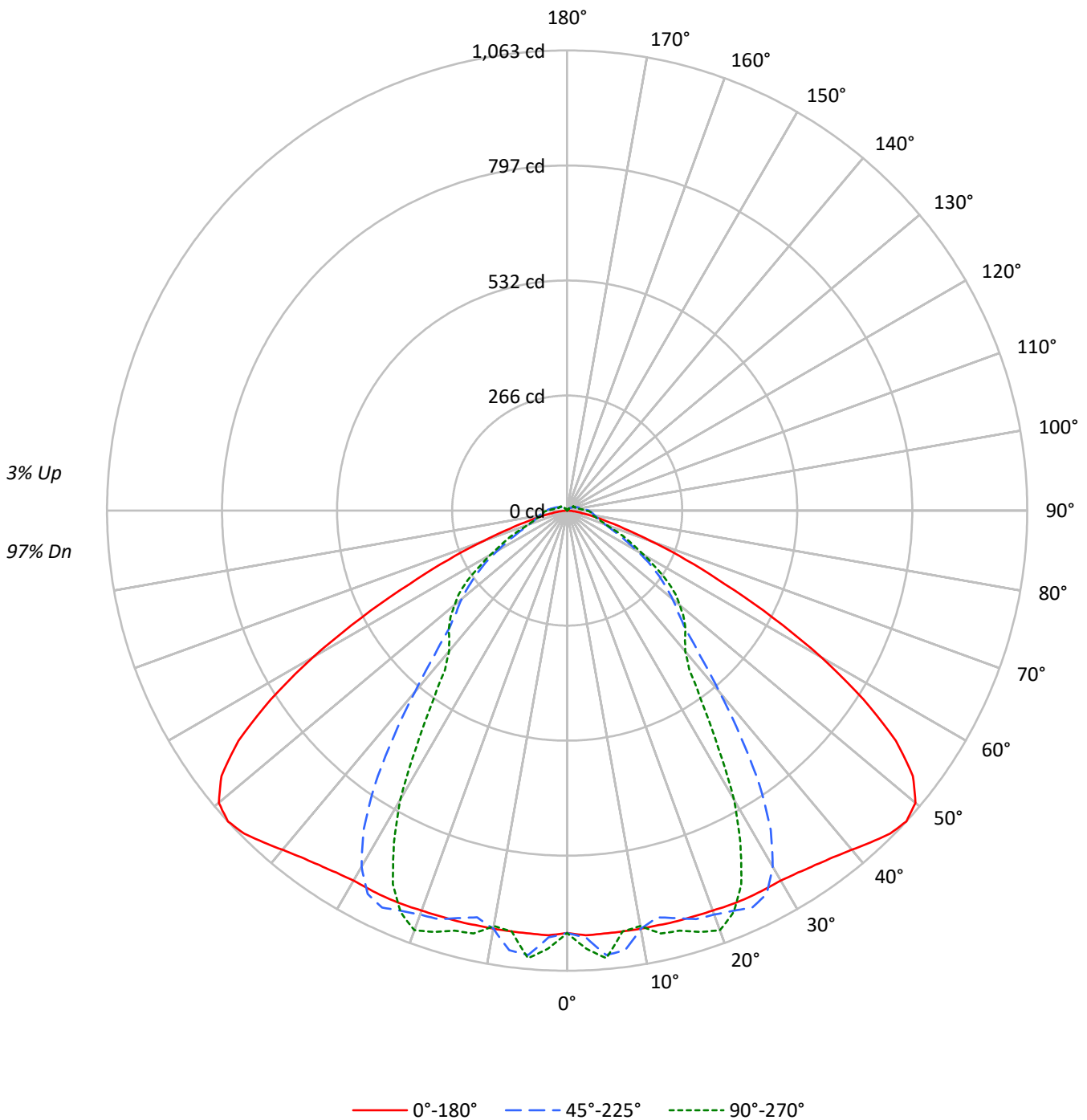
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	15724	15724	15724
5°	15807	15659	15438
10°	15931	14203	13555
15°	16201	13577	13215
20°	16607	13430	12970
25°	17213	13390	11546
30°	17932	12398	9091
35°	19101	10067	6299
40°	20790	7110	4848
45°	23085	5056	4405
50°	25084	4248	3881
55°	24585	3488	3236
60°	20398	2641	2419
65°	14092	1911	1779
70°	8774	1452	1219
75°	4956	1239	964
80°	2799	1158	830
85°	1239	1123	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	3.9
10°-20°	282.5	11.6
20°-30°	448.9	18.5
30°-40°	484.0	19.9
40°-50°	417.1	17.2
50°-60°	315.8	13.0
60°-70°	170.6	7.0
70°-80°	81.0	3.3
80°-90°	50.9	2.1
90°-100°	32.4	1.3
100°-110°	20.7	0.9
110°-120°	13.9	0.6
120°-130°	9.2	0.4
130°-140°	4.5	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°	827.3	34.0
0°-40°	1311.3	54.0
0°-60°	2044.2	84.1
0°-90°	2346.8	96.6
90°-120°	66.9	2.8
90°-150°	82.5	3.4
90°-180°	83.0	3.4
0°-180°	2429.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	981	1002	1030	1044	1038	94
15°	982	1008	974	1008	1004	278
25°	987	968	1012	984	952	457
35°	999	962	776	593	544	630
45°	1055	661	385	382	387	812
55°	927	286	255	278	280	807
65°	403	122	129	145	147	414
75°	92	63	75	75	73	108
85°	10	38	57	57	56	14
90°	0	30	50	48	45	1
95°	0	24	40	36	34	0
105°	0	15	27	25	22	0
115°	0	9	19	19	19	0
125°	0	5	12	16	15	0
135°	0	2	8	9	9	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°	975.8	975.8	975.8	975.8	975.8
2.5°	982.0	983.2	987.0	1005.6	1013.1
5°	980.8	1001.9	1030.5	1044.1	1037.9
7.5°	980.8	1024.3	1024.3	998.2	980.8
10°	980.8	1036.7	980.8	975.8	974.5
12.5°	980.8	1029.2	962.1	996.9	1000.6
15°	982.0	1008.1	974.5	1008.1	1004.4
17.5°	982.0	983.2	989.5	1015.6	1020.5
20°	983.2	967.1	993.2	1035.4	1031.7
22.5°	985.7	964.6	1000.6	1026.7	1004.4
25°	987.0	968.3	1011.8	984.5	952.2
27.5°	987.0	973.3	998.2	919.8	866.4
30°	987.0	975.8	949.7	830.3	770.7
32.5°	991.9	973.3	875.1	713.5	648.9
35°	999.4	962.1	775.7	592.9	544.4
37.5°	1009.3	932.3	658.8	496.0	463.7
40°	1023.0	867.6	546.9	433.8	423.9
42.5°	1039.2	773.2	454.9	402.7	402.7
45°	1055.3	661.3	385.3	381.6	386.6
47.5°	1062.8	551.9	346.8	360.5	365.5
50°	1050.4	450.0	318.2	336.9	339.3
52.5°	1006.9	359.2	285.9	308.3	314.5
55°	927.3	285.9	254.8	278.4	279.7
57.5°	811.7	227.5	222.5	241.1	239.9
60°	678.7	184.0	186.5	205.1	205.1
62.5°	535.7	149.2	156.6	172.8	171.5
65°	402.7	121.8	129.3	145.4	146.7
67.5°	297.1	100.7	109.4	120.6	118.1
70°	207.6	84.5	93.2	99.4	97.0
72.5°	138.0	72.1	82.0	84.5	83.3
75°	92.0	63.4	74.6	74.6	73.3
77.5°	59.7	55.9	69.6	68.4	65.9
80°	37.3	49.7	64.6	62.2	59.7
82.5°	22.4	43.5	60.9	58.4	55.9
85°	9.9	38.5	57.2	57.2	55.9
87.5°	3.7	34.8	53.5	54.7	52.2
90°	0.0	29.8	49.7	48.5	44.7
92.5°	0.0	27.3	44.7	41.0	38.5
95°	0.0	23.6	39.8	36.0	33.6
97.5°	0.0	21.1	36.0	32.3	29.8
100°	0.0	18.6	32.3	28.6	26.1
102.5°	0.0	16.2	29.8	26.1	24.9
105°	0.0	14.9	27.3	24.9	22.4
107.5°	0.0	13.7	24.9	22.4	21.1
110°	0.0	11.2	22.4	21.1	19.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.9	19.9	19.9	19.9
115°	0.0	8.7	18.6	18.6	18.6
117.5°	0.0	7.5	16.2	18.6	18.6
120°	0.0	7.5	14.9	17.4	17.4
122.5°	0.0	6.2	13.7	17.4	17.4
125°	0.0	5.0	12.4	16.2	14.9
127.5°	0.0	3.7	11.2	13.7	13.7
130°	0.0	3.7	9.9	12.4	11.2
132.5°	0.0	2.5	8.7	9.9	9.9
135°	0.0	2.5	7.5	8.7	8.7
137.5°	0.0	2.5	6.2	7.5	6.2
140°	0.0	1.2	5.0	6.2	5.0
142.5°	0.0	1.2	5.0	6.2	5.0
145°	0.0	1.2	3.7	5.0	3.7
147.5°	0.0	1.2	2.5	3.7	3.7
150°	0.0	1.2	2.5	3.7	2.5
152.5°	0.0	1.2	2.5	2.5	1.2
155°	0.0	1.2	1.2	2.5	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)