

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: P218298

Luminaire Tested: **4SNLED-LD5-16SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-16SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1926.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

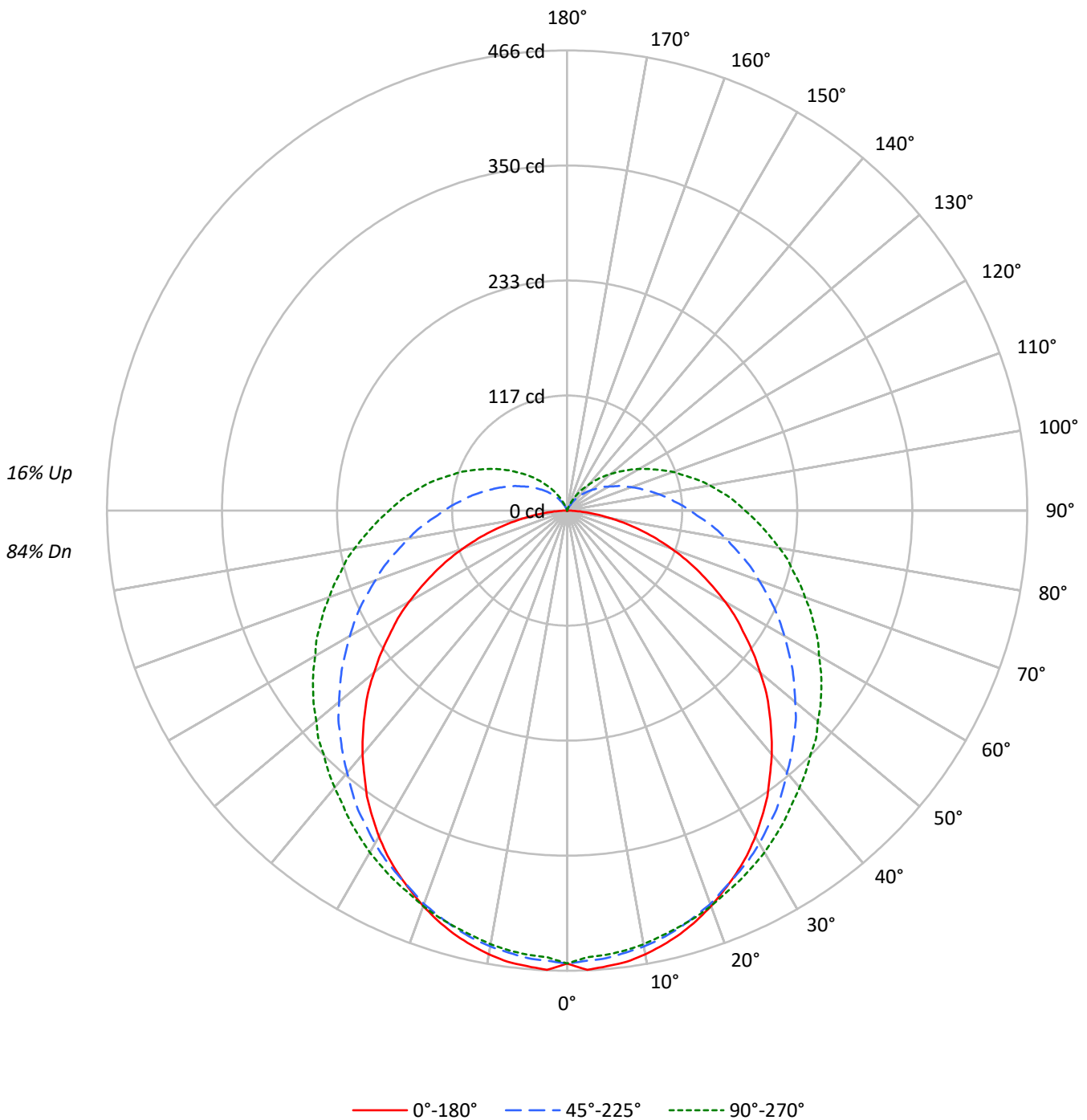
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7390	7390	7390
5°	7465	6916	6717
10°	7412	6491	6202
15°	7318	6099	5744
20°	7199	5732	5358
25°	7070	5381	5014
30°	6926	5082	4715
35°	6756	4796	4437
40°	6550	4504	4188
45°	6342	4259	3974
50°	6097	4025	3792
55°	5819	3811	3635
60°	5554	3598	3474
65°	5176	3414	3348
70°	4734	3222	3223
75°	4169	3069	3116
80°	3294	2920	3036
85°	2165	2811	2955



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	2.3
10°-20°	124.2	6.4
20°-30°	188.8	9.8
30°-40°	231.0	12.0
40°-50°	249.4	12.9
50°-60°	244.9	12.7
60°-70°	220.5	11.5
70°-80°	182.6	9.5
80°-90°	140.4	7.3
90°-100°	105.9	5.5
100°-110°	77.9	4.0
110°-120°	53.7	2.8
120°-130°	34.1	1.8
130°-140°	18.9	1.0
140°-150°	8.2	0.4
150°-160°	2.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	356.4	18.5
0°-40°	587.4	30.5
0°-60°	1081.7	56.2
0°-90°	1625.3	84.4
90°-120°	237.5	12.3
90°-150°	298.7	15.5
90°-180°	301.0	15.6
0°-180°	1926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	459	459	459	459	459	
5°	463	461	455	455	452	44
15°	444	442	438	440	437	125
25°	405	405	407	415	414	187
35°	354	357	370	381	384	221
45°	290	303	325	344	349	224
55°	220	244	278	306	314	197
65°	148	181	231	266	276	147
75°	77	124	185	224	237	82
85°	17	76	143	186	199	20
90°	0	59	125	168	180	1
95°	1	46	109	150	164	0
105°	0	29	81	118	129	0
115°	0	18	59	89	98	0
125°	0	12	40	64	70	0
135°	0	7	25	42	46	0
145°	0	2	13	23	25	0
155°	0	1	4	7	8	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°	458.6	458.6	458.6	458.6	458.6
2.5°	465.5	462.0	456.3	456.3	452.8
5°	463.2	460.9	455.1	455.1	451.6
7.5°	460.9	458.6	451.6	452.8	449.3
10°	456.3	453.9	448.2	449.3	445.9
12.5°	450.5	448.2	443.6	444.7	441.2
15°	443.6	442.4	437.8	440.1	436.6
17.5°	435.5	434.3	430.8	434.3	432.0
20°	426.2	426.2	423.9	428.5	426.2
22.5°	415.8	415.8	414.7	421.6	419.3
25°	405.4	405.4	406.6	414.7	413.5
27.5°	393.9	395.0	398.5	407.7	406.6
30°	381.2	383.5	389.3	399.7	399.7
32.5°	367.3	369.6	378.9	391.6	391.6
35°	353.5	356.9	369.6	381.2	383.5
37.5°	337.3	343.1	358.1	371.9	374.2
40°	322.3	330.4	346.5	362.7	366.2
42.5°	306.1	316.5	336.1	354.6	358.1
45°	289.9	302.6	324.6	344.2	348.8
47.5°	273.8	287.6	314.2	335.0	341.9
50°	255.3	272.6	301.5	325.7	331.5
52.5°	237.9	257.6	289.9	315.3	323.4
55°	219.5	243.7	278.4	306.1	314.2
57.5°	203.3	227.6	265.7	296.9	304.9
60°	184.8	211.4	254.1	285.3	294.5
62.5°	166.3	197.5	242.6	276.1	286.5
65°	147.9	181.3	231.0	265.7	276.1
67.5°	130.5	166.3	218.3	255.3	266.8
70°	112.0	151.3	206.8	244.9	256.4
72.5°	94.7	137.5	196.4	234.5	247.2
75°	77.4	123.6	184.8	224.1	236.8
77.5°	61.2	110.9	173.3	214.8	228.7
80°	43.9	98.2	162.9	204.4	218.3
82.5°	30.0	86.6	153.6	195.2	207.9
85°	17.3	76.2	143.2	186.0	198.7
87.5°	6.9	67.0	132.8	175.6	189.4
90°	0.0	58.9	124.7	167.5	180.2
92.5°	0.0	52.0	116.7	158.2	172.1
95°	1.2	46.2	108.6	150.2	164.0
97.5°	0.0	40.4	101.6	142.1	154.8
100°	0.0	37.0	94.7	134.0	146.7
102.5°	0.0	32.3	87.8	125.9	138.6
105°	0.0	28.9	80.9	117.8	129.4
107.5°	0.0	26.6	75.1	110.9	121.3
110°	0.0	23.1	69.3	104.0	114.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.8	63.5	95.9	106.3
115°	0.0	18.5	58.9	88.9	98.2
117.5°	0.0	17.3	53.1	82.0	91.3
120°	0.0	15.0	48.5	76.2	84.3
122.5°	0.0	13.9	45.0	69.3	77.4
125°	0.0	11.6	40.4	63.5	70.5
127.5°	0.0	10.4	35.8	57.8	63.5
130°	0.0	9.2	32.3	52.0	57.8
132.5°	0.0	8.1	28.9	46.2	52.0
135°	0.0	6.9	25.4	41.6	46.2
137.5°	0.0	5.8	21.9	35.8	40.4
140°	0.0	4.6	18.5	31.2	34.7
142.5°	0.0	3.5	16.2	26.6	30.0
145°	0.0	2.3	12.7	23.1	25.4
147.5°	0.0	2.3	10.4	18.5	20.8
150°	0.0	1.2	6.9	15.0	16.2
152.5°	0.0	1.2	5.8	11.6	11.6
155°	0.0	1.2	3.5	6.9	8.1
157.5°	0.0	0.0	2.3	4.6	4.6
160°	0.0	0.0	1.2	2.3	3.5
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)