

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: P218297

Luminaire Tested: **4SNLED-LD5-16SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218297
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1781.0 lumens
Efficiency: N/A
Efficacy: 122.0 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

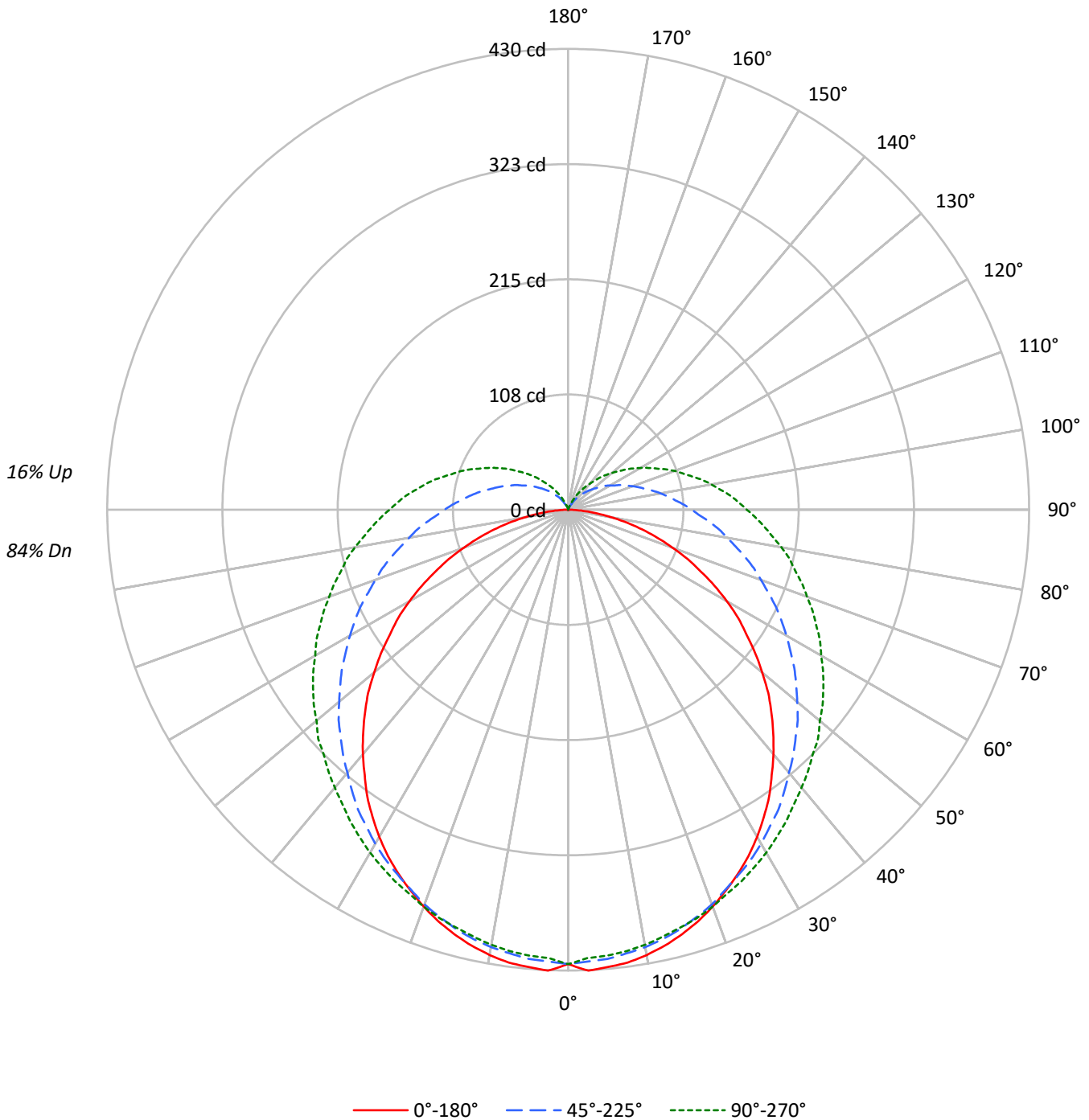
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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°	6832	6832	6832
5°	6903	6394	6211
10°	6853	6001	5735
15°	6767	5640	5311
20°	6657	5301	4955
25°	6538	4976	4637
30°	6404	4700	4360
35°	6246	4436	4103
40°	6056	4165	3873
45°	5865	3938	3676
50°	5638	3722	3506
55°	5379	3524	3361
60°	5136	3328	3213
65°	4784	3157	3096
70°	4379	2979	2981
75°	3857	2838	2881
80°	3046	2699	2808
85°	2003	2599	2732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	2.3
10°-20°	114.8	6.4
20°-30°	174.5	9.8
30°-40°	213.6	12.0
40°-50°	230.6	12.9
50°-60°	226.4	12.7
60°-70°	203.9	11.5
70°-80°	168.9	9.5
80°-90°	129.9	7.3
90°-100°	97.9	5.5
100°-110°	72.0	4.0
110°-120°	49.7	2.8
120°-130°	31.5	1.8
130°-140°	17.4	1.0
140°-150°	7.6	0.4
150°-160°	1.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	329.5	18.5
0°-40°	543.2	30.5
0°-60°	1000.2	56.2
0°-90°	1502.9	84.4
90°-120°	219.7	12.3
90°-150°	276.2	15.5
90°-180°	278.0	15.6
0°-180°	1781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	428	426	421	421	418	41
15°	410	409	405	407	404	116
25°	375	375	376	384	382	173
35°	327	330	342	352	355	204
45°	268	280	300	318	323	207
55°	203	225	257	283	290	182
65°	137	168	214	246	255	136
75°	72	114	171	207	219	76
85°	16	70	132	172	184	18
90°	0	54	115	155	167	1
95°	1	43	100	139	152	0
105°	0	27	75	109	120	0
115°	0	17	54	82	91	0
125°	0	11	37	59	65	0
135°	0	6	24	38	43	0
145°	0	2	12	21	24	0
155°	0	1	3	6	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°	424.0	424.0	424.0	424.0	424.0
2.5°	430.5	427.2	421.9	421.9	418.7
5°	428.3	426.2	420.8	420.8	417.6
7.5°	426.2	424.0	417.6	418.7	415.5
10°	421.9	419.8	414.4	415.5	412.3
12.5°	416.6	414.4	410.2	411.2	408.0
15°	410.2	409.1	404.8	407.0	403.7
17.5°	402.7	401.6	398.4	401.6	399.5
20°	394.1	394.1	392.0	396.3	394.1
22.5°	384.5	384.5	383.5	389.9	387.7
25°	374.9	374.9	376.0	383.5	382.4
27.5°	364.2	365.3	368.5	377.0	376.0
30°	352.5	354.6	360.0	369.6	369.6
32.5°	339.7	341.8	350.3	362.1	362.1
35°	326.8	330.0	341.8	352.5	354.6
37.5°	311.9	317.2	331.1	343.9	346.1
40°	298.0	305.5	320.4	335.4	338.6
42.5°	283.1	292.7	310.8	327.9	331.1
45°	268.1	279.8	300.1	318.3	322.6
47.5°	253.1	266.0	290.5	309.8	316.2
50°	236.1	252.1	278.8	301.2	306.5
52.5°	220.0	238.2	268.1	291.6	299.1
55°	202.9	225.4	257.4	283.1	290.5
57.5°	188.0	210.4	245.7	274.5	282.0
60°	170.9	195.5	235.0	263.8	272.4
62.5°	153.8	182.6	224.3	255.3	264.9
65°	136.7	167.7	213.6	245.7	255.3
67.5°	120.7	153.8	201.9	236.1	246.7
70°	103.6	139.9	191.2	226.4	237.1
72.5°	87.6	127.1	181.6	216.8	228.6
75°	71.6	114.3	170.9	207.2	219.0
77.5°	56.6	102.5	160.2	198.7	211.5
80°	40.6	90.8	150.6	189.1	201.9
82.5°	27.8	80.1	142.1	180.5	192.3
85°	16.0	70.5	132.4	172.0	183.7
87.5°	6.4	62.0	122.8	162.4	175.2
90°	0.0	54.5	115.4	154.9	166.6
92.5°	0.0	48.1	107.9	146.3	159.1
95°	1.1	42.7	100.4	138.9	151.7
97.5°	0.0	37.4	94.0	131.4	143.1
100°	0.0	34.2	87.6	123.9	135.7
102.5°	0.0	29.9	81.2	116.4	128.2
105°	0.0	26.7	74.8	108.9	119.6
107.5°	0.0	24.6	69.4	102.5	112.2
110°	0.0	21.4	64.1	96.1	105.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.2	58.7	88.7	98.3
115°	0.0	17.1	54.5	82.2	90.8
117.5°	0.0	16.0	49.1	75.8	84.4
120°	0.0	13.9	44.9	70.5	78.0
122.5°	0.0	12.8	41.7	64.1	71.6
125°	0.0	10.7	37.4	58.7	65.2
127.5°	0.0	9.6	33.1	53.4	58.7
130°	0.0	8.5	29.9	48.1	53.4
132.5°	0.0	7.5	26.7	42.7	48.1
135°	0.0	6.4	23.5	38.5	42.7
137.5°	0.0	5.3	20.3	33.1	37.4
140°	0.0	4.3	17.1	28.8	32.0
142.5°	0.0	3.2	15.0	24.6	27.8
145°	0.0	2.1	11.7	21.4	23.5
147.5°	0.0	2.1	9.6	17.1	19.2
150°	0.0	1.1	6.4	13.9	15.0
152.5°	0.0	1.1	5.3	10.7	10.7
155°	0.0	1.1	3.2	6.4	7.5
157.5°	0.0	0.0	2.1	4.3	4.3
160°	0.0	0.0	1.1	2.1	3.2
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)