

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: P218280

Luminaire Tested: **2SNLED-LD5-16SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218280
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: 2SNLED-LD5-16SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1825.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

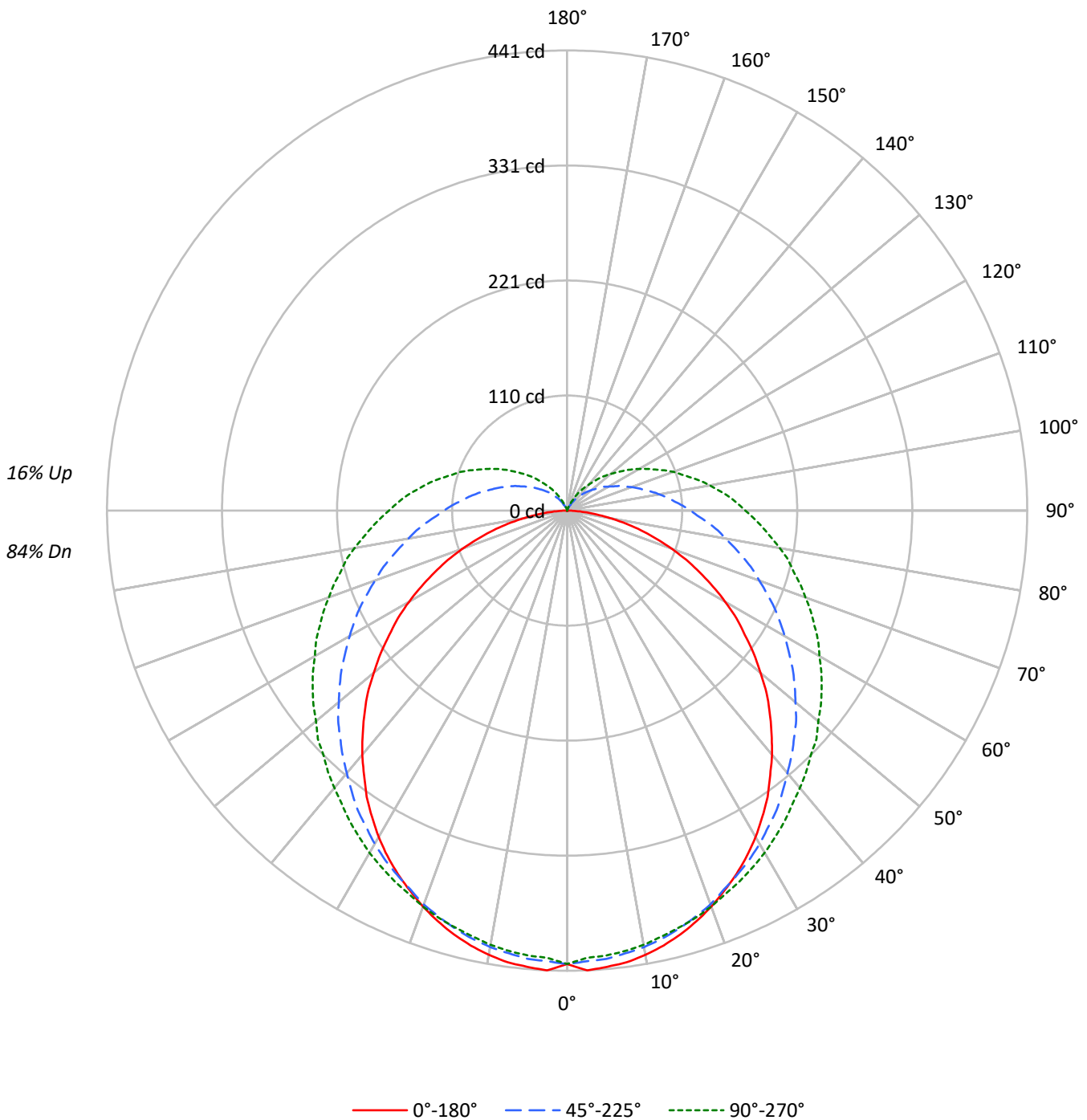
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14003	14003	14003
5°	14096	13073	12732
10°	13942	12244	11754
15°	13716	11482	10886
20°	13443	10773	10156
25°	13150	10094	9501
30°	12823	9515	8934
35°	12448	8967	8409
40°	12007	8409	7938
45°	11555	7938	7531
50°	11030	7488	7185
55°	10442	7078	6889
60°	9860	6670	6585
65°	9061	6316	6344
70°	8140	5945	6110
75°	6959	5649	5905
80°	5239	5358	5756
85°	3103	5143	5602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	2.3
10°-20°	117.7	6.4
20°-30°	178.9	9.8
30°-40°	218.9	12.0
40°-50°	236.3	13.0
50°-60°	232.0	12.7
60°-70°	209.0	11.4
70°-80°	173.0	9.5
80°-90°	133.1	7.3
90°-100°	100.3	5.5
100°-110°	73.8	4.0
110°-120°	50.9	2.8
120°-130°	32.3	1.8
130°-140°	17.9	1.0
140°-150°	7.7	0.4
150°-160°	1.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	337.7	18.5
0°-40°	556.6	30.5
0°-60°	1024.9	56.2
0°-90°	1540.0	84.4
90°-120°	225.1	12.3
90°-150°	283.0	15.5
90°-180°	285.0	15.6
0°-180°	1825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	439	437	431	431	428	42
15°	420	419	415	417	414	118
25°	384	384	385	393	392	177
35°	335	338	350	361	363	209
45°	275	287	308	326	330	212
55°	208	231	264	290	298	187
65°	140	172	219	252	262	139
75°	73	117	175	212	224	78
85°	16	72	136	176	188	19
90°	0	56	118	159	171	1
95°	1	44	103	142	155	0
105°	0	27	77	112	123	0
115°	0	18	56	84	93	0
125°	0	11	38	60	67	0
135°	0	7	24	39	44	0
145°	0	2	12	22	24	0
155°	0	1	3	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°	434.5	434.5	434.5	434.5	434.5
2.5°	441.1	437.8	432.3	432.3	429.0
5°	438.9	436.7	431.2	431.2	428.0
7.5°	436.7	434.5	428.0	429.0	425.8
10°	432.3	430.1	424.7	425.8	422.5
12.5°	426.9	424.7	420.3	421.4	418.1
15°	420.3	419.2	414.8	417.0	413.7
17.5°	412.6	411.5	408.3	411.5	409.3
20°	403.9	403.9	401.7	406.1	403.9
22.5°	394.0	394.0	392.9	399.5	397.3
25°	384.2	384.2	385.3	392.9	391.8
27.5°	373.2	374.3	377.6	386.4	385.3
30°	361.2	363.4	368.8	378.7	378.7
32.5°	348.1	350.2	359.0	371.0	371.0
35°	334.9	338.2	350.2	361.2	363.4
37.5°	319.6	325.1	339.3	352.4	354.6
40°	305.4	313.0	328.4	343.7	347.0
42.5°	290.0	299.9	318.5	336.0	339.3
45°	274.7	286.8	307.6	326.2	330.5
47.5°	259.4	272.5	297.7	317.4	324.0
50°	241.9	258.3	285.7	308.7	314.1
52.5°	225.5	244.1	274.7	298.8	306.5
55°	208.0	230.9	263.8	290.0	297.7
57.5°	192.6	215.6	251.7	281.3	288.9
60°	175.1	200.3	240.8	270.3	279.1
62.5°	157.6	187.2	229.8	261.6	271.4
65°	140.1	171.8	218.9	251.7	261.6
67.5°	123.7	157.6	206.9	241.9	252.8
70°	106.2	143.4	195.9	232.0	243.0
72.5°	89.7	130.2	186.1	222.2	234.2
75°	73.3	117.1	175.1	212.3	224.4
77.5°	58.0	105.1	164.2	203.6	216.7
80°	41.6	93.0	154.3	193.7	206.9
82.5°	28.5	82.1	145.6	185.0	197.0
85°	16.4	72.2	135.7	176.2	188.3
87.5°	6.6	63.5	125.9	166.4	179.5
90°	0.0	55.8	118.2	158.7	170.7
92.5°	0.0	49.3	110.5	149.9	163.1
95°	1.1	43.8	102.9	142.3	155.4
97.5°	0.0	38.3	96.3	134.6	146.7
100°	0.0	35.0	89.7	127.0	139.0
102.5°	0.0	30.6	83.2	119.3	131.3
105°	0.0	27.4	76.6	111.6	122.6
107.5°	0.0	25.2	71.1	105.1	114.9
110°	0.0	21.9	65.7	98.5	108.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.7	60.2	90.8	100.7
115°	0.0	17.5	55.8	84.3	93.0
117.5°	0.0	16.4	50.3	77.7	86.5
120°	0.0	14.2	46.0	72.2	79.9
122.5°	0.0	13.1	42.7	65.7	73.3
125°	0.0	10.9	38.3	60.2	66.8
127.5°	0.0	9.9	33.9	54.7	60.2
130°	0.0	8.8	30.6	49.3	54.7
132.5°	0.0	7.7	27.4	43.8	49.3
135°	0.0	6.6	24.1	39.4	43.8
137.5°	0.0	5.5	20.8	33.9	38.3
140°	0.0	4.4	17.5	29.6	32.8
142.5°	0.0	3.3	15.3	25.2	28.5
145°	0.0	2.2	12.0	21.9	24.1
147.5°	0.0	2.2	9.9	17.5	19.7
150°	0.0	1.1	6.6	14.2	15.3
152.5°	0.0	1.1	5.5	10.9	10.9
155°	0.0	1.1	3.3	6.6	7.7
157.5°	0.0	0.0	2.2	4.4	4.4
160°	0.0	0.0	1.1	2.2	3.3
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)