

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: P218302

Luminaire Tested: **4SNLED-LD5-20SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218302
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-LD5-20SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2347.0 lumens
Efficiency: N/A
Efficacy: 146.7 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

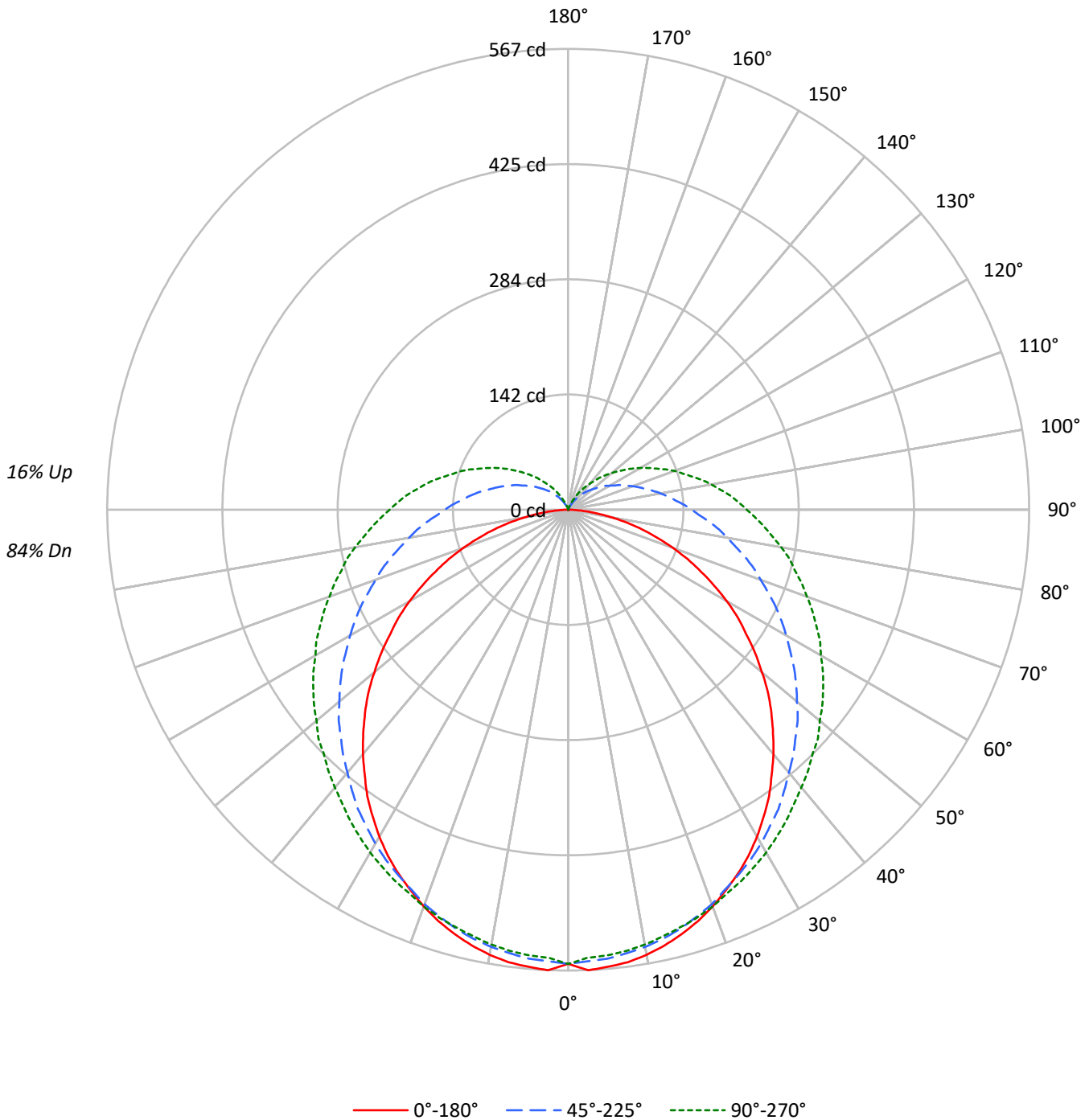
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	65				
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°	9004	9004	9004
5°	9096	8428	8187
10°	9031	7908	7557
15°	8917	7433	7001
20°	8773	6986	6530
25°	8617	6557	6110
30°	8439	6192	5745
35°	8232	5845	5407
40°	7981	5490	5103
45°	7728	5190	4844
50°	7429	4905	4621
55°	7089	4644	4430
60°	6768	4385	4234
65°	6306	4161	4079
70°	5769	3926	3929
75°	5080	3740	3797
80°	4014	3558	3700
85°	2641	3425	3601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	2.3
10°-20°	151.3	6.4
20°-30°	230.0	9.8
30°-40°	281.5	12.0
40°-50°	303.9	13.0
50°-60°	298.4	12.7
60°-70°	268.7	11.5
70°-80°	222.5	9.5
80°-90°	171.1	7.3
90°-100°	129.0	5.5
100°-110°	94.9	4.0
110°-120°	65.5	2.8
120°-130°	41.5	1.8
130°-140°	23.0	1.0
140°-150°	10.0	0.4
150°-160°	2.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	434.3	18.5
0°-40°	715.8	30.5
0°-60°	1318.1	56.2
0°-90°	1980.5	84.4
90°-120°	289.4	12.3
90°-150°	363.9	15.5
90°-180°	366.0	15.6
0°-180°	2347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	564	562	555	555	550	54
15°	540	539	534	536	532	152
25°	494	494	496	505	504	228
35°	431	435	450	464	467	269
45°	353	369	396	420	425	272
55°	267	297	339	373	383	240
65°	180	221	282	324	336	179
75°	94	151	225	273	289	100
85°	21	93	174	227	242	24
90°	0	72	152	204	220	1
95°	1	56	132	183	200	0
105°	0	35	98	144	158	0
115°	0	22	72	108	120	0
125°	0	14	49	77	86	0
135°	0	8	31	51	56	0
145°	0	3	16	28	31	0
155°	0	1	4	8	10	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°	558.8	558.8	558.8	558.8	558.8
2.5°	567.2	563.0	556.0	556.0	551.8
5°	564.4	561.6	554.6	554.6	550.4
7.5°	561.6	558.8	550.4	551.8	547.5
10°	556.0	553.2	546.1	547.5	543.3
12.5°	549.0	546.1	540.5	541.9	537.7
15°	540.5	539.1	533.5	536.3	532.1
17.5°	530.7	529.2	525.0	529.2	526.4
20°	519.4	519.4	516.6	522.2	519.4
22.5°	506.7	506.7	505.3	513.8	510.9
25°	494.1	494.1	495.5	505.3	503.9
27.5°	480.0	481.4	485.6	496.9	495.5
30°	464.5	467.3	474.3	487.0	487.0
32.5°	447.6	450.4	461.7	477.2	477.2
35°	430.7	434.9	450.4	464.5	467.3
37.5°	411.0	418.0	436.3	453.2	456.1
40°	392.7	402.6	422.3	442.0	446.2
42.5°	373.0	385.7	409.6	432.1	436.3
45°	353.3	368.8	395.5	419.5	425.1
47.5°	333.6	350.5	382.9	408.2	416.6
50°	311.1	332.2	367.4	396.9	404.0
52.5°	290.0	313.9	353.3	384.3	394.1
55°	267.4	297.0	339.2	373.0	382.9
57.5°	247.7	277.3	323.7	361.7	371.6
60°	225.2	257.6	309.7	347.7	358.9
62.5°	202.7	240.7	295.6	336.4	349.1
65°	180.2	221.0	281.5	323.7	336.4
67.5°	159.1	202.7	266.0	311.1	325.1
70°	136.5	184.4	252.0	298.4	312.5
72.5°	115.4	167.5	239.3	285.7	301.2
75°	94.3	150.6	225.2	273.1	288.6
77.5°	74.6	135.1	211.1	261.8	278.7
80°	53.5	119.6	198.5	249.1	266.0
82.5°	36.6	105.6	187.2	237.9	253.4
85°	21.1	92.9	174.5	226.6	242.1
87.5°	8.4	81.6	161.9	213.9	230.8
90°	0.0	71.8	152.0	204.1	219.6
92.5°	0.0	63.3	142.2	192.8	209.7
95°	1.4	56.3	132.3	183.0	199.9
97.5°	0.0	49.3	123.9	173.1	188.6
100°	0.0	45.0	115.4	163.3	178.8
102.5°	0.0	39.4	107.0	153.4	168.9
105°	0.0	35.2	98.5	143.6	157.6
107.5°	0.0	32.4	91.5	135.1	147.8
110°	0.0	28.2	84.5	126.7	139.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.3	77.4	116.8	129.5
115°	0.0	22.5	71.8	108.4	119.6
117.5°	0.0	21.1	64.7	99.9	111.2
120°	0.0	18.3	59.1	92.9	102.8
122.5°	0.0	16.9	54.9	84.5	94.3
125°	0.0	14.1	49.3	77.4	85.9
127.5°	0.0	12.7	43.6	70.4	77.4
130°	0.0	11.3	39.4	63.3	70.4
132.5°	0.0	9.9	35.2	56.3	63.3
135°	0.0	8.4	31.0	50.7	56.3
137.5°	0.0	7.0	26.7	43.6	49.3
140°	0.0	5.6	22.5	38.0	42.2
142.5°	0.0	4.2	19.7	32.4	36.6
145°	0.0	2.8	15.5	28.2	31.0
147.5°	0.0	2.8	12.7	22.5	25.3
150°	0.0	1.4	8.4	18.3	19.7
152.5°	0.0	1.4	7.0	14.1	14.1
155°	0.0	1.4	4.2	8.4	9.9
157.5°	0.0	0.0	2.8	5.6	5.6
160°	0.0	0.0	1.4	2.8	4.2
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)