

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: P218310

Luminaire Tested: **4SNLED-LD5-27SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218310
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-LD5-27SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3153.0 lumens
Efficiency: N/A
Efficacy: 142.7 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

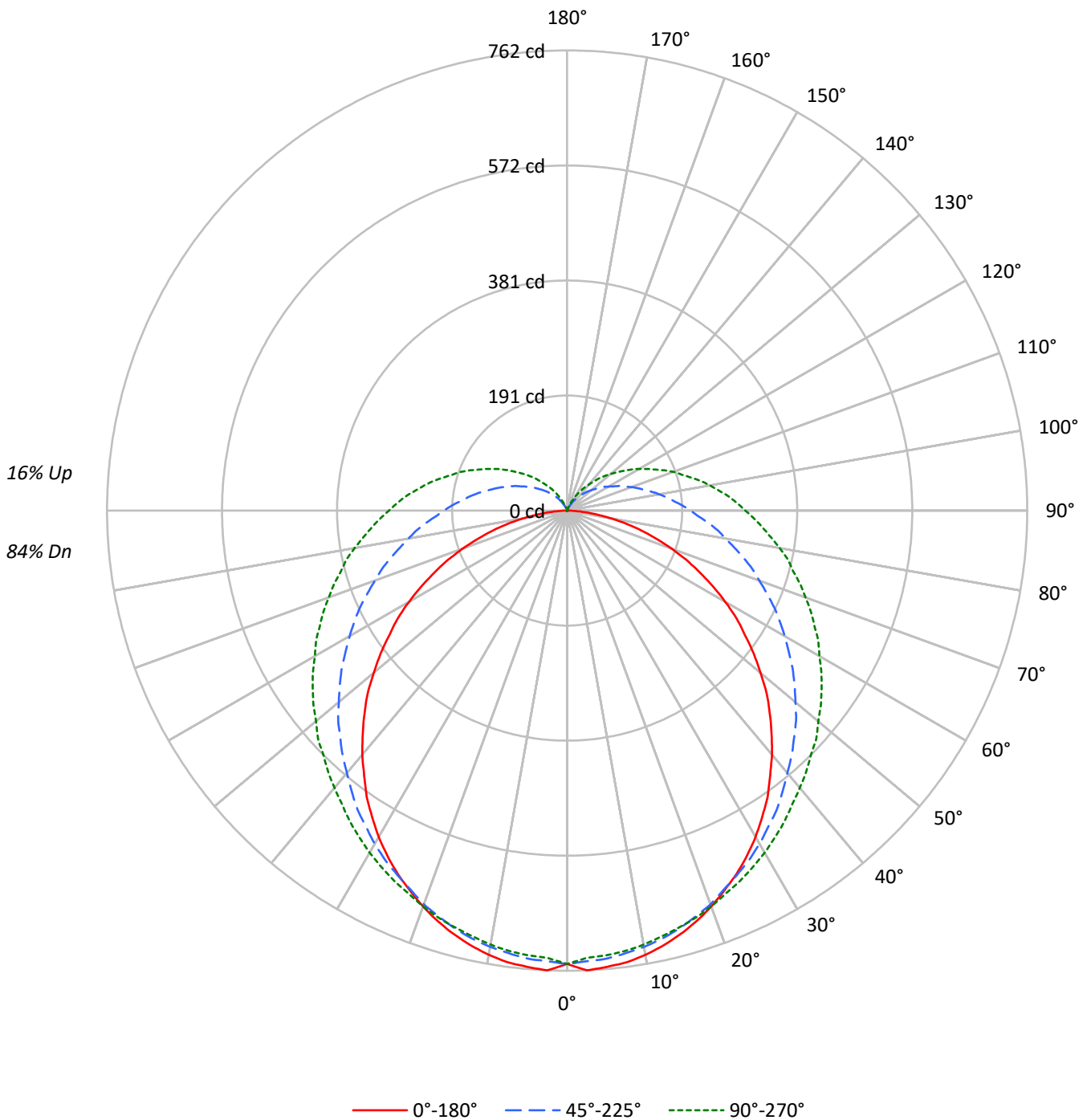
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	12097	12097	12097
5°	12221	11321	10998
10°	12132	10625	10153
15°	11979	9985	9404
20°	11787	9384	8773
25°	11575	8808	8209
30°	11337	8318	7718
35°	11058	7853	7264
40°	10722	7375	6856
45°	10382	6973	6507
50°	9980	6588	6207
55°	9526	6239	5950
60°	9094	5891	5688
65°	8469	5590	5479
70°	7751	5274	5278
75°	6825	5025	5100
80°	5395	4778	4971
85°	3554	4603	4837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	2.3
10°-20°	203.3	6.4
20°-30°	309.0	9.8
30°-40°	378.2	12.0
40°-50°	408.3	12.9
50°-60°	400.9	12.7
60°-70°	361.0	11.5
70°-80°	298.9	9.5
80°-90°	229.9	7.3
90°-100°	173.3	5.5
100°-110°	127.5	4.0
110°-120°	88.0	2.8
120°-130°	55.8	1.8
130°-140°	30.9	1.0
140°-150°	13.4	0.4
150°-160°	3.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	583.4	18.5
0°-40°	961.6	30.5
0°-60°	1770.7	56.2
0°-90°	2660.6	84.4
90°-120°	388.9	12.3
90°-150°	488.9	15.5
90°-180°	492.0	15.6
0°-180°	3153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	758	754	745	745	739	72
15°	726	724	717	720	715	205
25°	664	664	666	679	677	306
35°	579	584	605	624	628	361
45°	475	495	531	564	571	366
55°	359	399	456	501	514	322
65°	242	297	378	435	452	240
75°	127	202	303	367	388	134
85°	28	125	234	304	325	32
90°	0	96	204	274	295	2
95°	2	76	178	246	268	1
105°	0	47	132	193	212	0
115°	0	30	96	146	161	0
125°	0	19	66	104	115	0
135°	0	11	42	68	76	0
145°	0	4	21	38	42	0
155°	0	2	6	11	13	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°	750.7	750.7	750.7	750.7	750.7
2.5°	762.1	756.4	746.9	746.9	741.3
5°	758.3	754.5	745.0	745.0	739.4
7.5°	754.5	750.7	739.4	741.3	735.6
10°	746.9	743.1	733.7	735.6	729.9
12.5°	737.5	733.7	726.1	728.0	722.3
15°	726.1	724.2	716.7	720.5	714.8
17.5°	712.9	711.0	705.3	711.0	707.2
20°	697.8	697.8	694.0	701.5	697.8
22.5°	680.7	680.7	678.8	690.2	686.4
25°	663.7	663.7	665.6	678.8	677.0
27.5°	644.8	646.7	652.4	667.5	665.6
30°	624.0	627.8	637.2	654.3	654.3
32.5°	601.3	605.1	620.2	641.0	641.0
35°	578.6	584.3	605.1	624.0	627.8
37.5°	552.2	561.6	586.2	608.9	612.7
40°	527.6	540.8	567.3	593.8	599.4
42.5°	501.1	518.1	550.3	580.5	586.2
45°	474.6	495.4	531.4	563.5	571.1
47.5°	448.2	470.8	514.3	548.4	559.7
50°	417.9	446.3	493.5	533.2	542.7
52.5°	389.5	421.7	474.6	516.2	529.5
55°	359.3	399.0	455.7	501.1	514.3
57.5°	332.8	372.5	434.9	486.0	499.2
60°	302.6	346.0	416.0	467.1	482.2
62.5°	272.3	323.4	397.1	451.9	469.0
65°	242.0	296.9	378.2	434.9	451.9
67.5°	213.7	272.3	357.4	417.9	436.8
70°	183.4	247.7	338.5	400.9	419.8
72.5°	155.1	225.0	321.5	383.9	404.7
75°	126.7	202.3	302.6	366.8	387.6
77.5°	100.2	181.5	283.6	351.7	374.4
80°	71.9	160.7	266.6	334.7	357.4
82.5°	49.2	141.8	251.5	319.6	340.4
85°	28.4	124.8	234.5	304.4	325.2
87.5°	11.3	109.7	217.5	287.4	310.1
90°	0.0	96.4	204.2	274.2	295.0
92.5°	0.0	85.1	191.0	259.1	281.8
95°	1.9	75.6	177.7	245.8	268.5
97.5°	0.0	66.2	166.4	232.6	253.4
100°	0.0	60.5	155.1	219.3	240.2
102.5°	0.0	52.9	143.7	206.1	226.9
105°	0.0	47.3	132.4	192.9	211.8
107.5°	0.0	43.5	122.9	181.5	198.5
110°	0.0	37.8	113.5	170.2	187.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.0	104.0	156.9	174.0
115°	0.0	30.3	96.4	145.6	160.7
117.5°	0.0	28.4	87.0	134.3	149.4
120°	0.0	24.6	79.4	124.8	138.0
122.5°	0.0	22.7	73.7	113.5	126.7
125°	0.0	18.9	66.2	104.0	115.3
127.5°	0.0	17.0	58.6	94.5	104.0
130°	0.0	15.1	52.9	85.1	94.5
132.5°	0.0	13.2	47.3	75.6	85.1
135°	0.0	11.3	41.6	68.1	75.6
137.5°	0.0	9.5	35.9	58.6	66.2
140°	0.0	7.6	30.3	51.1	56.7
142.5°	0.0	5.7	26.5	43.5	49.2
145°	0.0	3.8	20.8	37.8	41.6
147.5°	0.0	3.8	17.0	30.3	34.0
150°	0.0	1.9	11.3	24.6	26.5
152.5°	0.0	1.9	9.5	18.9	18.9
155°	0.0	1.9	5.7	11.3	13.2
157.5°	0.0	0.0	3.8	7.6	7.6
160°	0.0	0.0	1.9	3.8	5.7
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)