

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: P218308

Luminaire Tested: **4SNLED-LD5-27SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218308
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2857.0 lumens
Efficiency: N/A
Efficacy: 129.3 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

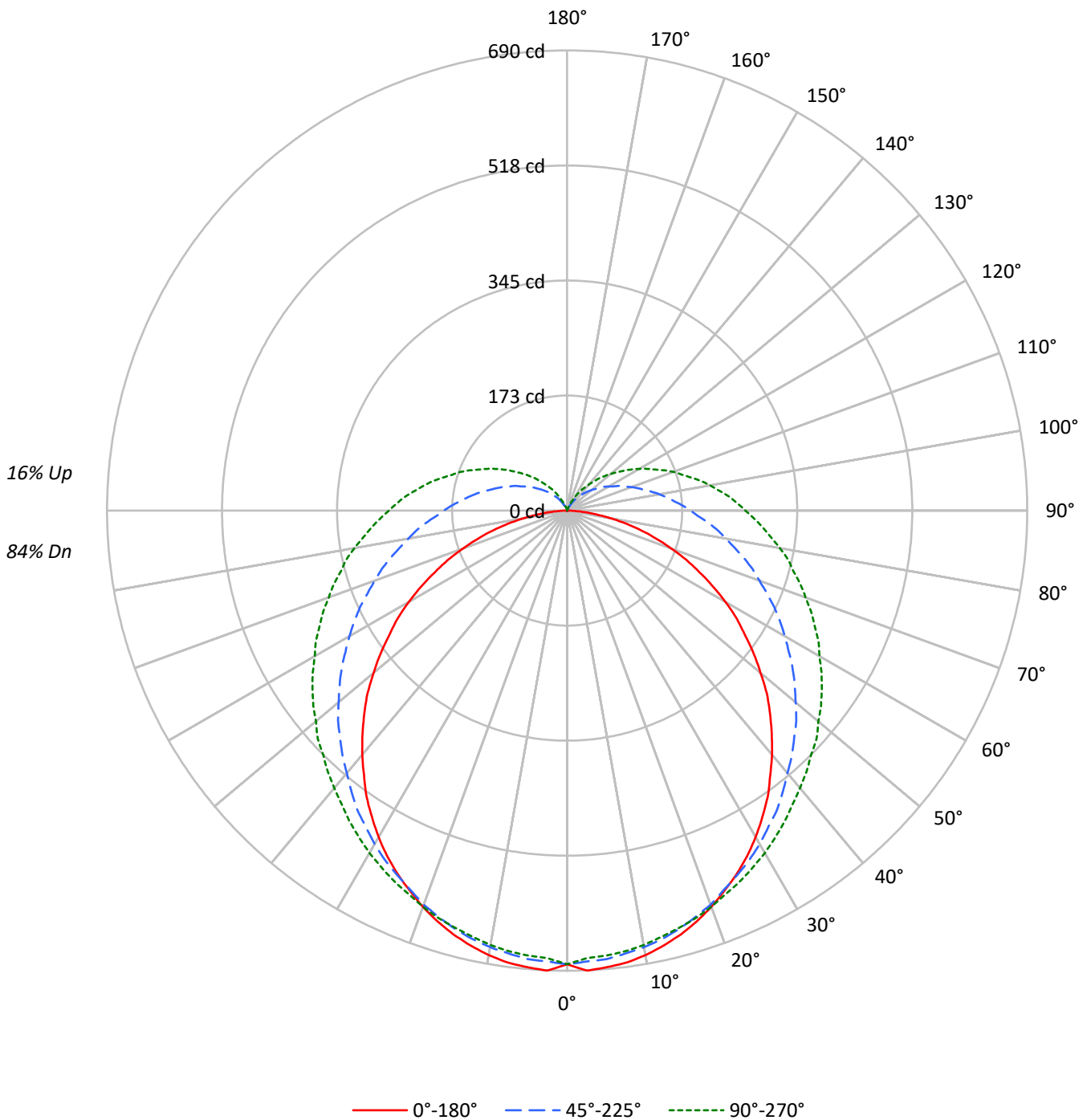
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	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°	10961	10961	10961
5°	11074	10259	9964
10°	10993	9627	9200
15°	10855	9048	8522
20°	10680	8503	7949
25°	10488	7981	7438
30°	10272	7538	6993
35°	10021	7116	6582
40°	9714	6682	6213
45°	9408	6318	5896
50°	9043	5970	5625
55°	8632	5653	5393
60°	8238	5338	5154
65°	7674	5065	4965
70°	7024	4779	4782
75°	6184	4552	4622
80°	4884	4330	4504
85°	3217	4171	4383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	2.3
10°-20°	184.2	6.4
20°-30°	280.0	9.8
30°-40°	342.7	12.0
40°-50°	370.0	12.9
50°-60°	363.2	12.7
60°-70°	327.1	11.5
70°-80°	270.9	9.5
80°-90°	208.3	7.3
90°-100°	157.1	5.5
100°-110°	115.6	4.0
110°-120°	79.7	2.8
120°-130°	50.6	1.8
130°-140°	28.0	1.0
140°-150°	12.1	0.4
150°-160°	3.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	528.6	18.5
0°-40°	871.3	30.5
0°-60°	1604.5	56.2
0°-90°	2410.9	84.4
90°-120°	352.4	12.3
90°-150°	443.0	15.5
90°-180°	446.0	15.6
0°-180°	2857.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	687	684	675	675	670	65
15°	658	656	649	653	648	186
25°	601	601	603	615	613	277
35°	524	529	548	565	569	327
45°	430	449	482	511	518	332
55°	326	362	413	454	466	292
65°	219	269	343	394	410	218
75°	115	183	274	332	351	122
85°	26	113	212	276	295	29
90°	0	87	185	248	267	1
95°	2	68	161	223	243	0
105°	0	43	120	175	192	0
115°	0	27	87	132	146	0
125°	0	17	60	94	104	0
135°	0	10	38	62	68	0
145°	0	3	19	34	38	0
155°	0	2	5	10	12	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°	680.2	680.2	680.2	680.2	680.2
2.5°	690.5	685.4	676.8	676.8	671.7
5°	687.1	683.7	675.1	675.1	669.9
7.5°	683.7	680.2	669.9	671.7	666.5
10°	676.8	673.4	664.8	666.5	661.4
12.5°	668.2	664.8	658.0	659.7	654.5
15°	658.0	656.2	649.4	652.8	647.7
17.5°	646.0	644.2	639.1	644.2	640.8
20°	632.3	632.3	628.8	635.7	632.3
22.5°	616.8	616.8	615.1	625.4	622.0
25°	601.4	601.4	603.1	615.1	613.4
27.5°	584.3	586.0	591.1	604.8	603.1
30°	565.4	568.9	577.4	592.8	592.8
32.5°	544.9	548.3	562.0	580.9	580.9
35°	524.3	529.4	548.3	565.4	568.9
37.5°	500.3	508.9	531.2	551.7	555.2
40°	478.0	490.0	514.0	538.0	543.2
42.5°	454.1	469.5	498.6	526.0	531.2
45°	430.1	448.9	481.5	510.6	517.5
47.5°	406.1	426.6	466.1	496.9	507.2
50°	378.7	404.4	447.2	483.2	491.8
52.5°	353.0	382.1	430.1	467.8	479.8
55°	325.6	361.5	412.9	454.1	466.1
57.5°	301.6	337.5	394.1	440.4	452.3
60°	274.1	313.6	377.0	423.2	436.9
62.5°	246.7	293.0	359.8	409.5	424.9
65°	219.3	269.0	342.7	394.1	409.5
67.5°	193.6	246.7	323.8	378.7	395.8
70°	166.2	224.5	306.7	363.2	380.4
72.5°	140.5	203.9	291.3	347.8	366.7
75°	114.8	183.3	274.1	332.4	351.3
77.5°	90.8	164.5	257.0	318.7	339.3
80°	65.1	145.6	241.6	303.3	323.8
82.5°	44.5	128.5	227.9	289.6	308.4
85°	25.7	113.1	212.5	275.9	294.7
87.5°	10.3	99.4	197.0	260.4	281.0
90°	0.0	87.4	185.1	248.4	267.3
92.5°	0.0	77.1	173.1	234.7	255.3
95°	1.7	68.5	161.1	222.7	243.3
97.5°	0.0	60.0	150.8	210.8	229.6
100°	0.0	54.8	140.5	198.8	217.6
102.5°	0.0	48.0	130.2	186.8	205.6
105°	0.0	42.8	119.9	174.8	191.9
107.5°	0.0	39.4	111.4	164.5	179.9
110°	0.0	34.3	102.8	154.2	169.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.8	94.2	142.2	157.6
115°	0.0	27.4	87.4	131.9	145.6
117.5°	0.0	25.7	78.8	121.7	135.4
120°	0.0	22.3	72.0	113.1	125.1
122.5°	0.0	20.6	66.8	102.8	114.8
125°	0.0	17.1	60.0	94.2	104.5
127.5°	0.0	15.4	53.1	85.7	94.2
130°	0.0	13.7	48.0	77.1	85.7
132.5°	0.0	12.0	42.8	68.5	77.1
135°	0.0	10.3	37.7	61.7	68.5
137.5°	0.0	8.6	32.6	53.1	60.0
140°	0.0	6.9	27.4	46.3	51.4
142.5°	0.0	5.1	24.0	39.4	44.5
145°	0.0	3.4	18.8	34.3	37.7
147.5°	0.0	3.4	15.4	27.4	30.8
150°	0.0	1.7	10.3	22.3	24.0
152.5°	0.0	1.7	8.6	17.1	17.1
155°	0.0	1.7	5.1	10.3	12.0
157.5°	0.0	0.0	3.4	6.9	6.9
160°	0.0	0.0	1.7	3.4	5.1
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)