

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: P218309

Luminaire Tested: **4SNLED-LD5-27SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218309  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2914.0 lumens  
Efficiency: N/A  
Efficacy: 131.9 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

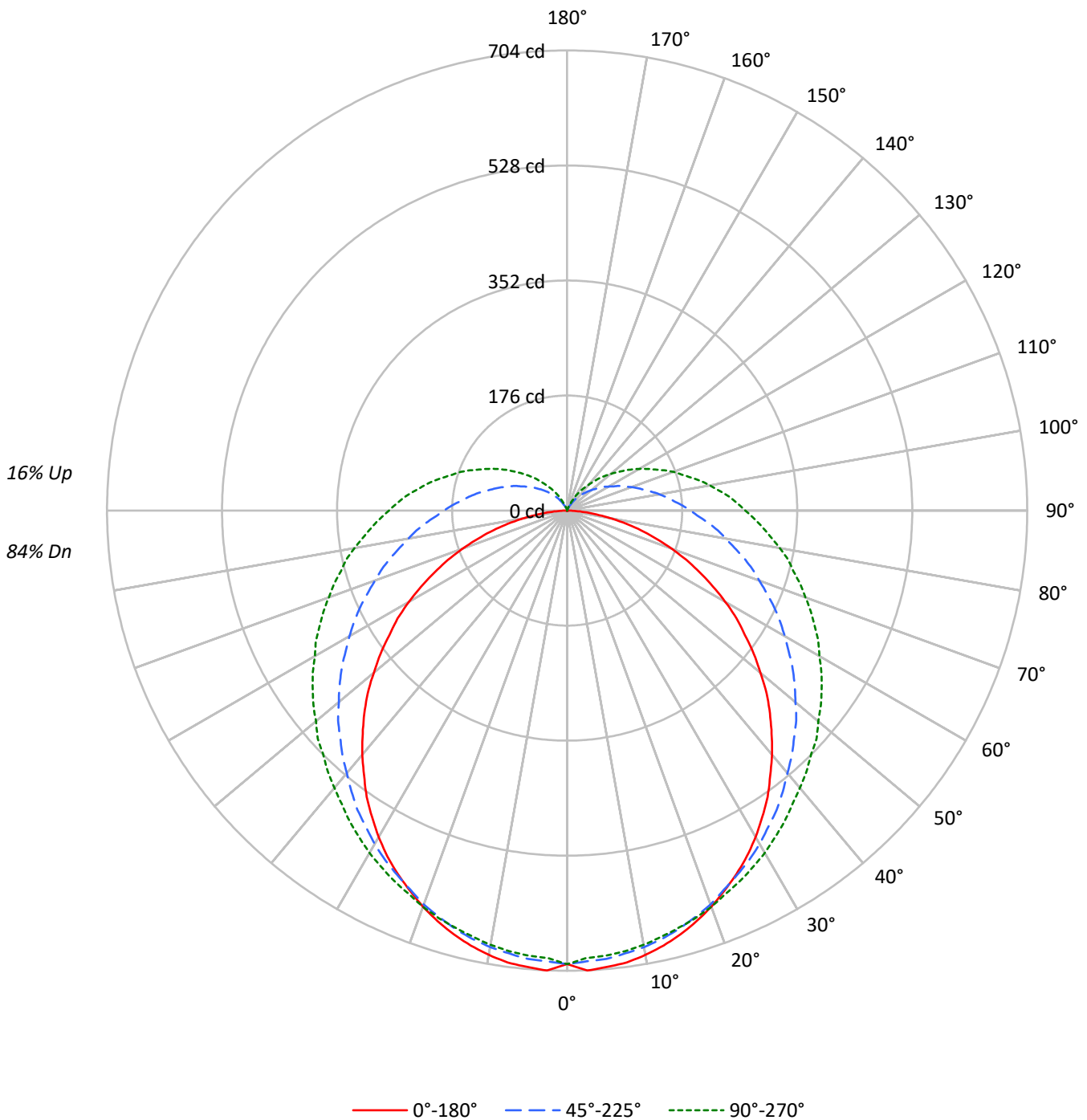
Input Watts (W): 22.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	11180	11180	11180
5°	11294	10464	10163
10°	11212	9820	9383
15°	11071	9227	8691
20°	10893	8673	8108
25°	10698	8141	7586
30°	10478	7688	7133
35°	10221	7257	6713
40°	9909	6816	6336
45°	9597	6444	6014
50°	9223	6089	5737
55°	8802	5766	5500
60°	8403	5445	5256
65°	7828	5166	5065
70°	7164	4874	4878
75°	6308	4643	4714
80°	4982	4416	4594
85°	3279	4253	4471



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.7	2.3
10°-20°	187.9	6.4
20°-30°	285.6	9.8
30°-40°	349.5	12.0
40°-50°	377.4	12.9
50°-60°	370.5	12.7
60°-70°	333.7	11.5
70°-80°	276.3	9.5
80°-90°	212.5	7.3
90°-100°	160.2	5.5
100°-110°	117.9	4.0
110°-120°	81.3	2.8
120°-130°	51.6	1.8
130°-140°	28.5	1.0
140°-150°	12.4	0.4
150°-160°	3.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	539.2	18.5
0°-40°	888.7	30.5
0°-60°	1636.5	56.2
0°-90°	2459.0	84.4
90°-120°	359.4	12.3
90°-150°	451.9	15.5
90°-180°	455.0	15.6
0°-180°	2914.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	701	697	689	689	683	67
15°	671	669	662	666	661	189
25°	613	613	615	627	626	282
35°	535	540	559	577	580	334
45°	439	458	491	521	528	338
55°	332	369	421	463	475	298
65°	224	274	350	402	418	222
75°	117	187	280	339	358	124
85°	26	115	217	281	301	30
90°	0	89	189	253	273	1
95°	2	70	164	227	248	0
105°	0	44	122	178	196	0
115°	0	28	89	135	148	0
125°	0	18	61	96	107	0
135°	0	10	38	63	70	0
145°	0	4	19	35	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°	693.8	693.8	693.8	693.8	693.8
2.5°	704.3	699.0	690.3	690.3	685.1
5°	700.8	697.3	688.6	688.6	683.3
7.5°	697.3	693.8	683.3	685.1	679.8
10°	690.3	686.8	678.1	679.8	674.6
12.5°	681.6	678.1	671.1	672.8	667.6
15°	671.1	669.3	662.3	665.8	660.6
17.5°	658.8	657.1	651.9	657.1	653.6
20°	644.9	644.9	641.4	648.4	644.9
22.5°	629.1	629.1	627.4	637.9	634.4
25°	613.4	613.4	615.2	627.4	625.6
27.5°	595.9	597.7	602.9	616.9	615.2
30°	576.7	580.2	588.9	604.7	604.7
32.5°	555.7	559.2	573.2	592.4	592.4
35°	534.8	540.0	559.2	576.7	580.2
37.5°	510.3	519.0	541.8	562.7	566.2
40°	487.6	499.8	524.3	548.7	554.0
42.5°	463.1	478.8	508.6	536.5	541.8
45°	438.7	457.9	491.1	520.8	527.8
47.5°	414.2	435.2	475.4	506.8	517.3
50°	386.2	412.4	456.1	492.8	501.6
52.5°	360.0	389.7	438.7	477.1	489.3
55°	332.0	368.7	421.2	463.1	475.4
57.5°	307.6	344.3	402.0	449.1	461.4
60°	279.6	319.8	384.5	431.7	445.6
62.5°	251.7	298.8	367.0	417.7	433.4
65°	223.7	274.4	349.5	402.0	417.7
67.5°	197.5	251.7	330.3	386.2	403.7
70°	169.5	228.9	312.8	370.5	388.0
72.5°	143.3	208.0	297.1	354.8	374.0
75°	117.1	187.0	279.6	339.0	358.3
77.5°	92.6	167.8	262.1	325.1	346.0
80°	66.4	148.5	246.4	309.3	330.3
82.5°	45.4	131.1	232.4	295.3	314.6
85°	26.2	115.3	216.7	281.4	300.6
87.5°	10.5	101.4	201.0	265.6	286.6
90°	0.0	89.1	188.7	253.4	272.6
92.5°	0.0	78.6	176.5	239.4	260.4
95°	1.7	69.9	164.3	227.2	248.2
97.5°	0.0	61.2	153.8	215.0	234.2
100°	0.0	55.9	143.3	202.7	221.9
102.5°	0.0	48.9	132.8	190.5	209.7
105°	0.0	43.7	122.3	178.3	195.7
107.5°	0.0	40.2	113.6	167.8	183.5
110°	0.0	35.0	104.9	157.3	173.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.5	96.1	145.1	160.8
115°	0.0	28.0	89.1	134.6	148.5
117.5°	0.0	26.2	80.4	124.1	138.1
120°	0.0	22.7	73.4	115.3	127.6
122.5°	0.0	21.0	68.2	104.9	117.1
125°	0.0	17.5	61.2	96.1	106.6
127.5°	0.0	15.7	54.2	87.4	96.1
130°	0.0	14.0	48.9	78.6	87.4
132.5°	0.0	12.2	43.7	69.9	78.6
135°	0.0	10.5	38.4	62.9	69.9
137.5°	0.0	8.7	33.2	54.2	61.2
140°	0.0	7.0	28.0	47.2	52.4
142.5°	0.0	5.2	24.5	40.2	45.4
145°	0.0	3.5	19.2	35.0	38.4
147.5°	0.0	3.5	15.7	28.0	31.5
150°	0.0	1.7	10.5	22.7	24.5
152.5°	0.0	1.7	8.7	17.5	17.5
155°	0.0	1.7	5.2	10.5	12.2
157.5°	0.0	0.0	3.5	7.0	7.0
160°	0.0	0.0	1.7	3.5	5.2
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)