

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: P218279

Luminaire Tested: **2SNLED-LD5-16SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218279  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1718.1 lumens  
Efficiency: N/A  
Efficacy: 108.1 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

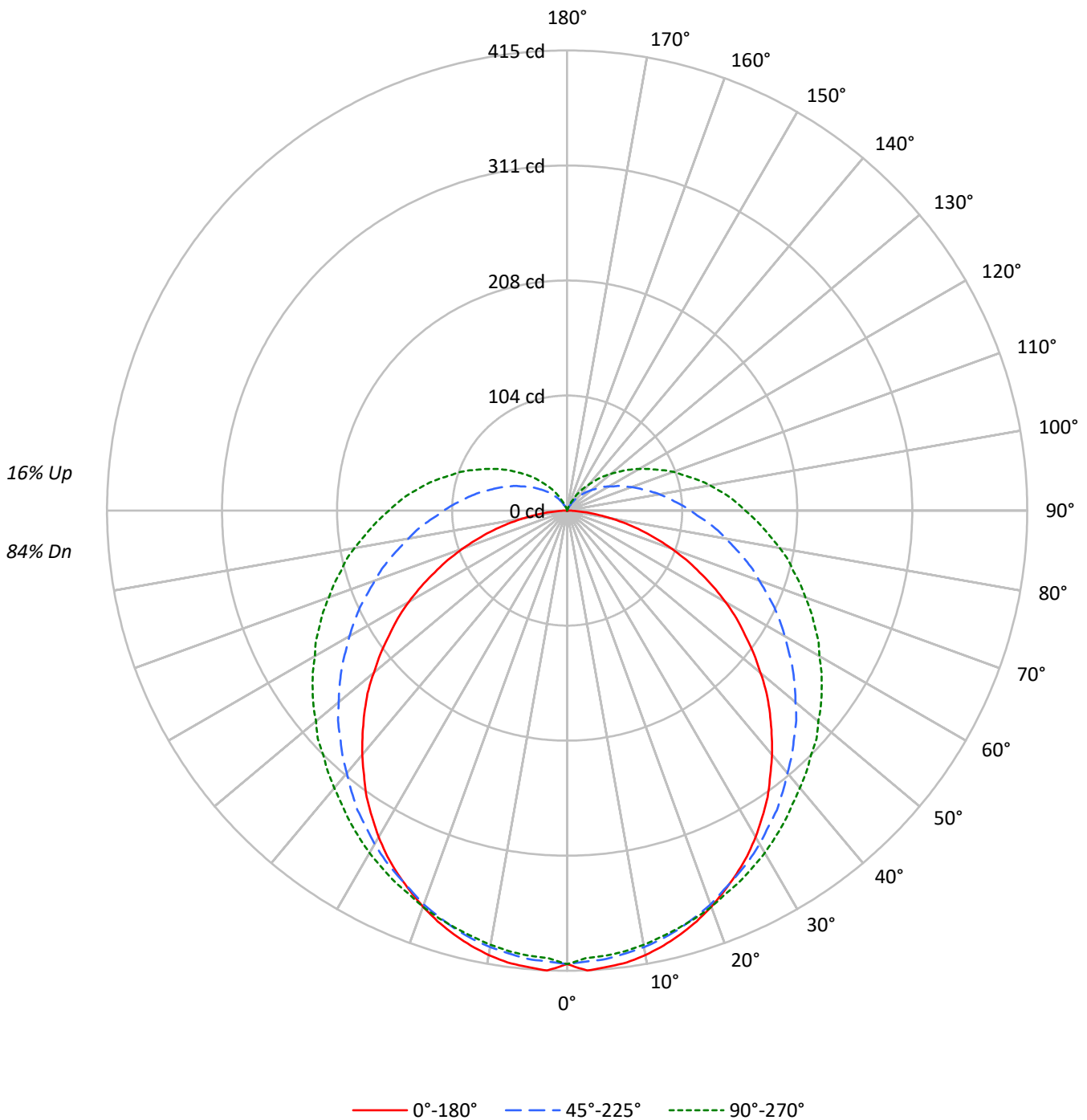
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
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°	13181	13181	13181
5°	13270	12309	11985
10°	13126	11526	11064
15°	12910	10810	10249
20°	12655	10140	9560
25°	12376	9502	8946
30°	12070	8958	8411
35°	11719	8442	7916
40°	11303	7915	7471
45°	10878	7471	7092
50°	10383	7047	6764
55°	9829	6662	6486
60°	9286	6279	6198
65°	8531	5946	5973
70°	7657	5596	5750
75°	6550	5320	5557
80°	4937	5045	5416
85°	2933	4843	5271



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	2.3
10°-20°	110.8	6.4
20°-30°	168.4	9.8
30°-40°	206.1	12.0
40°-50°	222.5	12.9
50°-60°	218.4	12.7
60°-70°	196.7	11.5
70°-80°	162.9	9.5
80°-90°	125.3	7.3
90°-100°	94.5	5.5
100°-110°	69.5	4.0
110°-120°	47.9	2.8
120°-130°	30.4	1.8
130°-140°	16.8	1.0
140°-150°	7.3	0.4
150°-160°	1.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	317.9	18.5
0°-40°	524.0	30.5
0°-60°	964.9	56.2
0°-90°	1449.8	84.4
90°-120°	211.9	12.3
90°-150°	266.4	15.5
90°-180°	268.0	15.6
0°-180°	1718.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	409	409	409	409	409	
5°	413	411	406	406	403	39
15°	396	395	390	393	390	112
25°	362	362	363	370	369	167
35°	315	318	330	340	342	197
45°	259	270	290	307	311	199
55°	196	217	248	273	280	176
65°	132	162	206	237	246	131
75°	69	110	165	200	211	73
85°	16	68	128	166	177	18
90°	0	52	111	149	161	1
95°	1	41	97	134	146	0
105°	0	26	72	105	115	0
115°	0	16	52	79	88	0
125°	0	10	36	57	63	0
135°	0	6	23	37	41	0
145°	0	2	11	21	23	0
155°	0	1	3	6	7	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°	409.0	409.0	409.0	409.0	409.0
2.5°	415.2	412.1	407.0	407.0	403.9
5°	413.2	411.1	406.0	406.0	402.9
7.5°	411.1	409.0	402.9	403.9	400.8
10°	407.0	404.9	399.8	400.8	397.7
12.5°	401.8	399.8	395.6	396.7	393.6
15°	395.6	394.6	390.5	392.6	389.5
17.5°	388.4	387.4	384.3	387.4	385.3
20°	380.2	380.2	378.1	382.3	380.2
22.5°	370.9	370.9	369.9	376.1	374.0
25°	361.6	361.6	362.7	369.9	368.9
27.5°	351.3	352.4	355.5	363.7	362.7
30°	340.0	342.1	347.2	356.5	356.5
32.5°	327.6	329.7	337.9	349.3	349.3
35°	315.3	318.4	329.7	340.0	342.1
37.5°	300.9	306.0	319.4	331.8	333.8
40°	287.5	294.7	309.1	323.5	326.6
42.5°	273.0	282.3	299.8	316.3	319.4
45°	258.6	269.9	289.5	307.0	311.2
47.5°	244.2	256.6	280.3	298.8	305.0
50°	227.7	243.2	268.9	290.6	295.7
52.5°	212.2	229.8	258.6	281.3	288.5
55°	195.8	217.4	248.3	273.0	280.3
57.5°	181.3	203.0	237.0	264.8	272.0
60°	164.9	188.6	226.7	254.5	262.7
62.5°	148.4	176.2	216.4	246.3	255.5
65°	131.9	161.8	206.1	237.0	246.3
67.5°	116.4	148.4	194.7	227.7	238.0
70°	99.9	135.0	184.4	218.4	228.7
72.5°	84.5	122.6	175.2	209.2	220.5
75°	69.0	110.2	164.9	199.9	211.2
77.5°	54.6	98.9	154.6	191.6	204.0
80°	39.2	87.6	145.3	182.4	194.7
82.5°	26.8	77.3	137.0	174.1	185.5
85°	15.5	68.0	127.8	165.9	177.2
87.5°	6.2	59.8	118.5	156.6	169.0
90°	0.0	52.5	111.3	149.4	160.7
92.5°	0.0	46.4	104.1	141.2	153.5
95°	1.0	41.2	96.9	133.9	146.3
97.5°	0.0	36.1	90.7	126.7	138.1
100°	0.0	33.0	84.5	119.5	130.9
102.5°	0.0	28.8	78.3	112.3	123.6
105°	0.0	25.8	72.1	105.1	115.4
107.5°	0.0	23.7	67.0	98.9	108.2
110°	0.0	20.6	61.8	92.7	102.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.5	56.7	85.5	94.8
115°	0.0	16.5	52.5	79.3	87.6
117.5°	0.0	15.5	47.4	73.2	81.4
120°	0.0	13.4	43.3	68.0	75.2
122.5°	0.0	12.4	40.2	61.8	69.0
125°	0.0	10.3	36.1	56.7	62.9
127.5°	0.0	9.3	31.9	51.5	56.7
130°	0.0	8.2	28.8	46.4	51.5
132.5°	0.0	7.2	25.8	41.2	46.4
135°	0.0	6.2	22.7	37.1	41.2
137.5°	0.0	5.2	19.6	31.9	36.1
140°	0.0	4.1	16.5	27.8	30.9
142.5°	0.0	3.1	14.4	23.7	26.8
145°	0.0	2.1	11.3	20.6	22.7
147.5°	0.0	2.1	9.3	16.5	18.5
150°	0.0	1.0	6.2	13.4	14.4
152.5°	0.0	1.0	5.2	10.3	10.3
155°	0.0	1.0	3.1	6.2	7.2
157.5°	0.0	0.0	2.1	4.1	4.1
160°	0.0	0.0	1.0	2.1	3.1
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)