

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: P218040

Luminaire Tested: **2SNLED-LD5-18SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-18SL-LC-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2043.0 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

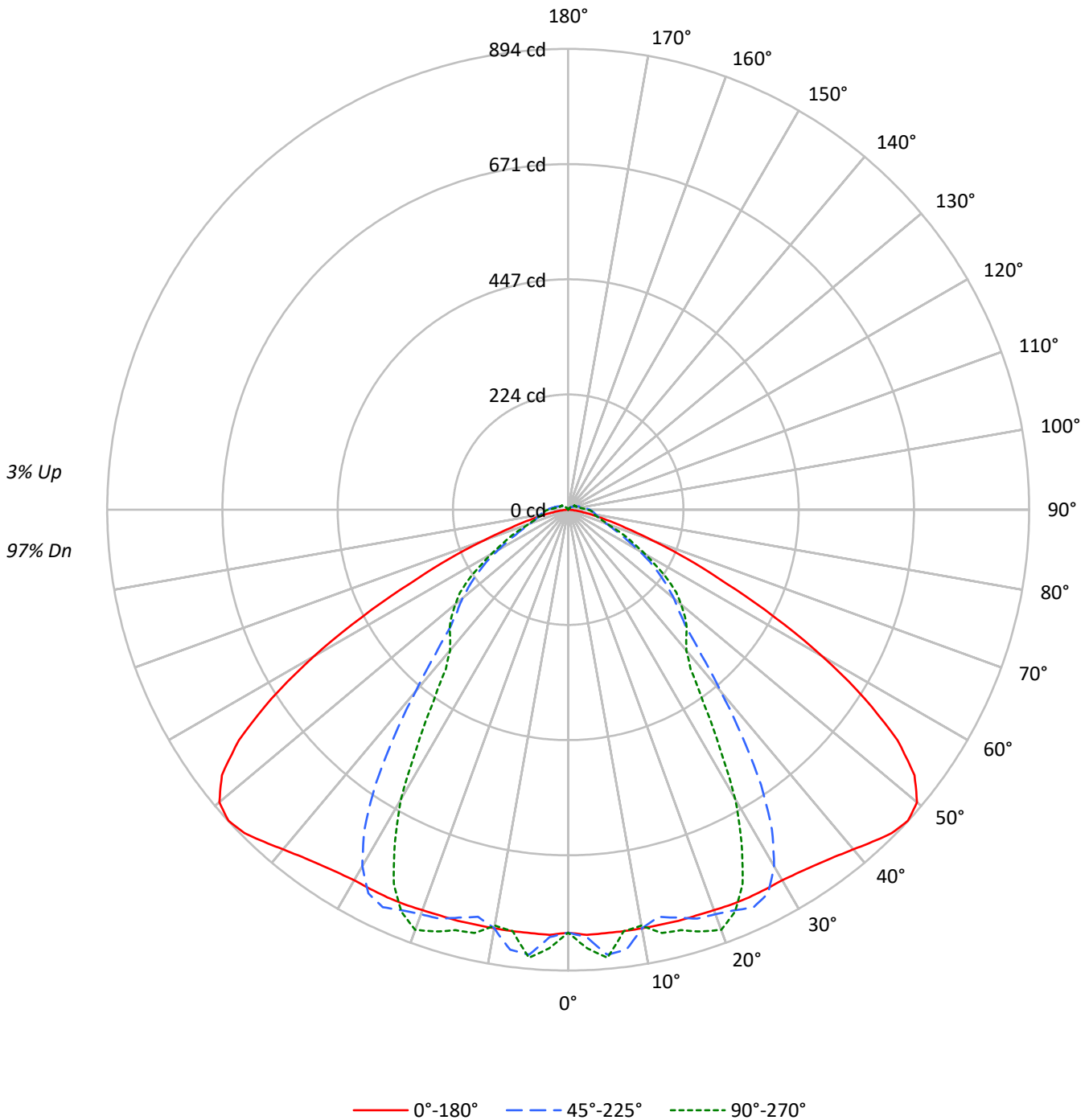
Input Watts (W): 15.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	26439	26439	26439
5°	26483	26268	25958
10°	26593	23773	22792
15°	26943	22679	22219
20°	27513	22393	21810
25°	28401	22287	19413
30°	29459	20599	15285
35°	31229	16697	10591
40°	33815	11774	8153
45°	37323	8361	7406
50°	40269	7011	6526
55°	39136	5747	5440
60°	32131	4343	4067
65°	21899	3136	2990
70°	13374	2379	2049
75°	7338	2023	1624
80°	3955	1885	1397
85°	1589	1823	1398



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.6	3.9
10°-20°	237.5	11.6
20°-30°	377.4	18.5
30°-40°	406.9	19.9
40°-50°	350.7	17.2
50°-60°	265.5	13.0
60°-70°	143.5	7.0
70°-80°	68.1	3.3
80°-90°	42.8	2.1
90°-100°	27.2	1.3
100°-110°	17.4	0.9
110°-120°	11.7	0.6
120°-130°	7.7	0.4
130°-140°	3.8	0.2
140°-150°	1.6	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	695.5	34.0
0°-40°	1102.4	54.0
0°-60°	1718.7	84.1
0°-90°	1973.0	96.6
90°-120°	56.3	2.8
90°-150°	69.4	3.4
90°-180°	70.0	3.4
0°-180°	2043.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	825	842	866	878	873	79
15°	826	848	819	848	844	234
25°	830	814	851	828	800	384
35°	840	809	652	498	458	529
45°	887	556	324	321	325	683
55°	780	240	214	234	235	678
65°	339	102	109	122	123	348
75°	77	53	63	63	62	91
85°	8	32	48	48	47	12
90°	0	25	42	41	38	0
95°	0	20	33	30	28	0
105°	0	12	23	21	19	0
115°	0	7	16	16	16	0
125°	0	4	10	14	12	0
135°	0	2	6	7	7	0
145°	0	1	3	4	3	0
155°	0	1	1	2	1	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°	820.4	820.4	820.4	820.4	820.4
2.5°	825.6	826.6	829.8	845.5	851.7
5°	824.6	842.3	866.4	877.9	872.6
7.5°	824.6	861.1	861.1	839.2	824.6
10°	824.6	871.6	824.6	820.4	819.3
12.5°	824.6	865.3	808.9	838.1	841.3
15°	825.6	847.5	819.3	847.5	844.4
17.5°	825.6	826.6	831.9	853.8	858.0
20°	826.6	813.1	835.0	870.5	867.4
22.5°	828.7	811.0	841.3	863.2	844.4
25°	829.8	814.1	850.7	827.7	800.5
27.5°	829.8	818.3	839.2	773.4	728.4
30°	829.8	820.4	798.4	698.1	647.9
32.5°	834.0	818.3	735.7	599.9	545.5
35°	840.2	808.9	652.1	498.5	457.7
37.5°	848.6	783.8	553.9	417.0	389.8
40°	860.1	729.5	459.8	364.7	356.4
42.5°	873.7	650.0	382.5	338.6	338.6
45°	887.3	556.0	324.0	320.8	325.0
47.5°	893.5	464.0	291.6	303.1	307.2
50°	883.1	378.3	267.5	283.2	285.3
52.5°	846.5	302.0	240.4	259.2	264.4
55°	779.6	240.4	214.2	234.1	235.1
57.5°	682.4	191.2	187.1	202.7	201.7
60°	570.6	154.7	156.8	172.4	172.4
62.5°	450.4	125.4	131.7	145.3	144.2
65°	338.6	102.4	108.7	122.3	123.3
67.5°	249.8	84.7	92.0	101.4	99.3
70°	174.5	71.1	78.4	83.6	81.5
72.5°	116.0	60.6	69.0	71.1	70.0
75°	77.3	53.3	62.7	62.7	61.7
77.5°	50.2	47.0	58.5	57.5	55.4
80°	31.4	41.8	54.3	52.3	50.2
82.5°	18.8	36.6	51.2	49.1	47.0
85°	8.4	32.4	48.1	48.1	47.0
87.5°	3.1	29.3	44.9	46.0	43.9
90°	0.0	25.1	41.8	40.8	37.6
92.5°	0.0	23.0	37.6	34.5	32.4
95°	0.0	19.9	33.4	30.3	28.2
97.5°	0.0	17.8	30.3	27.2	25.1
100°	0.0	15.7	27.2	24.0	21.9
102.5°	0.0	13.6	25.1	21.9	20.9
105°	0.0	12.5	23.0	20.9	18.8
107.5°	0.0	11.5	20.9	18.8	17.8
110°	0.0	9.4	18.8	17.8	16.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	8.4	16.7	16.7	16.7
115°	0.0	7.3	15.7	15.7	15.7
117.5°	0.0	6.3	13.6	15.7	15.7
120°	0.0	6.3	12.5	14.6	14.6
122.5°	0.0	5.2	11.5	14.6	14.6
125°	0.0	4.2	10.5	13.6	12.5
127.5°	0.0	3.1	9.4	11.5	11.5
130°	0.0	3.1	8.4	10.5	9.4
132.5°	0.0	2.1	7.3	8.4	8.4
135°	0.0	2.1	6.3	7.3	7.3
137.5°	0.0	2.1	5.2	6.3	5.2
140°	0.0	1.0	4.2	5.2	4.2
142.5°	0.0	1.0	4.2	5.2	4.2
145°	0.0	1.0	3.1	4.2	3.1
147.5°	0.0	1.0	2.1	3.1	3.1
150°	0.0	1.0	2.1	3.1	2.1
152.5°	0.0	1.0	2.1	2.1	1.0
155°	0.0	1.0	1.0	2.1	1.0
157.5°	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	0.0
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)