

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: P218160

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-18SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1983.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

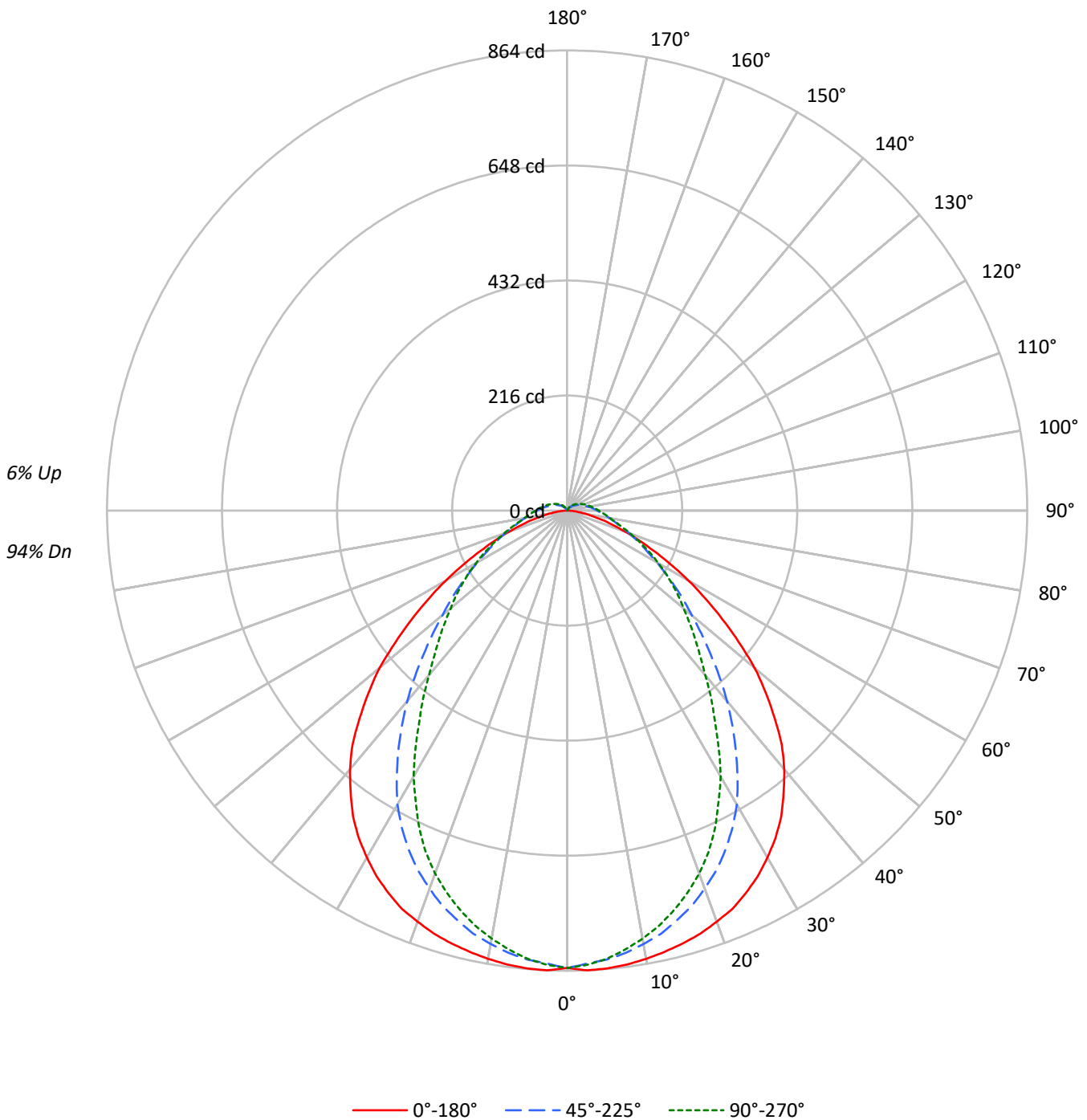
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218160

CATALOG NUMBER: 2SNLED-LD5-18SL-LN-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218160

CATALOG NUMBER: 2SNLED-LD5-18SL-LN-UNV-L835-CD1-U

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27677	27677	27677
5°	27716	25658	25143
10°	27561	23825	22700
15°	27445	22037	20427
20°	27333	20258	18232
25°	27141	18421	15938
30°	26704	16443	13606
35°	26056	14152	11193
40°	24934	11959	9226
45°	23160	9814	7737
50°	20962	7996	6524
55°	17886	6587	5560
60°	14827	5382	4659
65°	11622	4461	3851
70°	8891	3742	3178
75°	6550	3168	2639
80°	4345	2792	2267
85°	2365	2535	2053



TEST NUMBER: P218160

CATALOG NUMBER: 2SNLED-LD5-18SL-LN-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	4.1
10°-20°	226.6	11.4
20°-30°	328.1	16.5
30°-40°	357.1	18.0
40°-50°	317.2	16.0
50°-60°	241.4	12.2
60°-70°	160.3	8.1
70°-80°	97.7	4.9
80°-90°	60.5	3.1
90°-100°	41.3	2.1
100°-110°	29.0	1.5
110°-120°	19.8	1.0
120°-130°	12.5	0.6
130°-140°	7.1	0.4
140°-150°	3.3	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	635.5	32.0
0°-40°	992.6	50.1
0°-60°	1551.2	78.2
0°-90°	1869.6	94.3
90°-120°	90.1	4.5
90°-150°	113.1	5.7
90°-180°	113.0	5.7
0°-180°	1983.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	863	858	846	850	845	82
15°	841	826	796	787	776	238
25°	793	757	703	675	657	365
35°	701	638	553	505	484	437
45°	551	468	380	348	340	424
55°	356	289	246	241	240	320
65°	180	155	155	161	159	181
75°	69	78	98	103	100	75
85°	12	40	67	71	69	15
90°	0	29	56	62	60	1
95°	0	23	48	53	52	0
105°	0	15	34	40	40	0
115°	0	9	25	30	29	0
125°	0	6	17	21	21	0
135°	0	4	12	15	15	0
145°	0	2	6	8	8	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218160

CATALOG NUMBER: 2SNLED-LD5-18SL-LN-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.8	858.8	858.8	858.8	858.8
2.5°	864.0	859.8	851.5	856.7	853.6
5°	863.0	857.7	846.3	850.4	845.2
7.5°	859.8	853.6	837.9	840.0	831.6
10°	854.6	846.3	826.4	824.3	816.0
12.5°	848.3	837.9	813.9	806.6	798.2
15°	841.0	826.4	796.1	786.7	776.3
17.5°	832.7	812.8	778.3	763.7	752.2
20°	821.2	797.1	755.4	737.6	725.1
22.5°	809.7	778.3	731.3	707.3	693.7
25°	793.0	757.4	703.1	674.9	657.2
27.5°	774.2	733.4	671.8	635.2	615.4
30°	752.2	705.2	637.3	594.5	576.7
32.5°	728.2	673.9	595.5	549.5	529.7
35°	701.0	638.3	552.7	504.6	483.7
37.5°	667.6	599.7	509.8	460.7	444.0
40°	634.2	558.9	467.0	421.0	403.3
42.5°	596.6	514.0	423.1	381.3	368.8
45°	550.6	468.1	380.3	347.9	339.5
47.5°	505.7	421.0	341.6	318.7	311.3
50°	459.7	375.1	305.1	290.4	285.2
52.5°	406.4	330.1	274.8	265.4	263.3
55°	356.3	289.4	245.5	241.3	240.3
57.5°	308.2	250.7	218.4	221.5	219.4
60°	263.3	215.2	194.3	198.5	197.5
62.5°	219.4	182.8	172.4	180.7	178.7
65°	179.7	154.6	154.6	160.9	158.8
67.5°	145.2	131.6	137.9	144.2	142.1
70°	116.0	110.7	123.3	128.5	126.4
72.5°	89.8	93.0	108.7	114.9	111.8
75°	69.0	78.4	98.2	103.4	100.3
77.5°	49.1	65.8	88.8	93.0	89.8
80°	34.5	55.4	80.4	84.6	81.5
82.5°	21.9	47.0	73.1	77.3	75.2
85°	12.5	39.7	66.9	71.0	69.0
87.5°	6.3	34.5	60.6	65.8	63.7
90°	0.0	29.3	56.4	61.6	59.6
92.5°	0.0	26.1	52.2	57.5	55.4
95°	0.0	23.0	48.1	53.3	52.2
97.5°	0.0	20.9	44.9	50.1	48.1
100°	0.0	17.8	40.7	46.0	44.9
102.5°	0.0	16.7	37.6	42.8	41.8
105°	0.0	14.6	34.5	39.7	39.7
107.5°	0.0	13.6	32.4	37.6	36.6
110°	0.0	11.5	29.3	34.5	34.5



TEST NUMBER: P218160

CATALOG NUMBER: 2SNLED-LD5-18SL-LN-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.4	27.2	32.4	31.3
115°	0.0	9.4	25.1	30.3	29.3
117.5°	0.0	9.4	23.0	27.2	27.2
120°	0.0	8.4	20.9	25.1	25.1
122.5°	0.0	7.3	18.8	23.0	23.0
125°	0.0	6.3	16.7	20.9	20.9
127.5°	0.0	6.3	15.7	19.9	19.9
130°	0.0	5.2	13.6	17.8	17.8
132.5°	0.0	4.2	12.5	15.7	15.7
135°	0.0	4.2	11.5	14.6	14.6
137.5°	0.0	3.1	9.4	12.5	12.5
140°	0.0	3.1	8.4	11.5	11.5
142.5°	0.0	2.1	7.3	10.4	9.4
145°	0.0	2.1	6.3	8.4	8.4
147.5°	0.0	1.0	5.2	7.3	7.3
150°	0.0	1.0	4.2	6.3	5.2
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)