

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: P218629

Luminaire Tested: **2SNLED-LD5-18SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-18SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2210.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

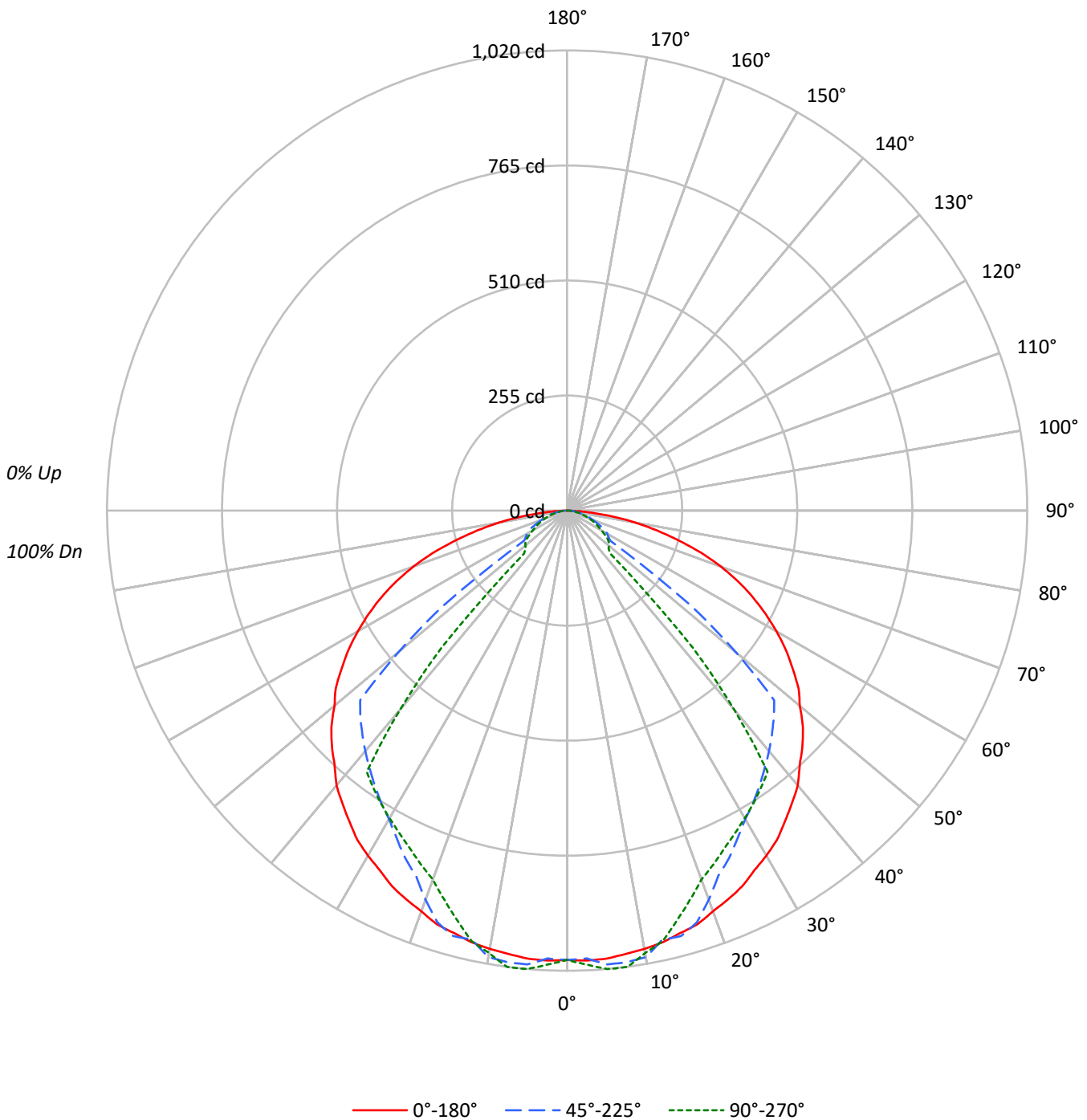
Input Watts (W): 15.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32098	32098	32098
5°	32023	30615	30349
10°	31821	28980	27708
15°	31635	27028	24750
20°	31460	24608	21883
25°	31444	22259	20016
30°	31348	20372	18574
35°	31278	19038	17339
40°	31271	17828	13210
45°	31031	16717	3074
50°	30697	12779	2768
55°	30612	3123	2534
60°	30182	2842	2067
65°	29375	2395	1705
70°	27745	1854	1333
75°	24293	1378	971
80°	19169	920	609
85°	10254	523	274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	4.4
10°-20°	272.6	12.3
20°-30°	401.4	18.2
30°-40°	483.2	21.9
40°-50°	413.8	18.7
50°-60°	267.8	12.1
60°-70°	178.0	8.1
70°-80°	75.9	3.4
80°-90°	21.2	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	770.1	34.8
0°-40°	1253.3	56.7
0°-60°	1934.8	87.5
0°-90°	2210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	997	1001	1010	1021	1020	95
15°	969	996	976	956	941	274
25°	919	924	850	831	825	423
35°	842	809	744	749	749	527
45°	738	656	648	395	135	569
55°	610	518	116	111	110	545
65°	454	326	83	72	70	448
75°	256	60	43	38	37	271
85°	54	16	14	10	9	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.0	996.0	996.0	996.0	996.0
2.5°	998.3	994.8	993.7	1006.3	1007.5
5°	997.1	1000.6	1009.8	1021.3	1020.2
7.5°	991.3	1002.9	1009.8	1027.1	1020.2
10°	986.7	1007.5	1005.2	1006.3	996.0
12.5°	979.8	999.4	974.1	991.3	977.5
15°	969.4	996.0	976.4	955.6	940.6
17.5°	961.4	989.0	956.8	907.2	904.9
20°	945.2	960.2	917.6	881.8	870.3
22.5°	932.6	949.8	876.1	851.9	848.4
25°	918.7	924.5	849.6	831.1	825.4
27.5°	899.1	910.7	818.4	809.2	805.8
30°	883.0	883.0	789.6	789.6	787.3
32.5°	865.7	846.1	767.7	768.9	768.9
35°	841.5	809.2	743.5	749.3	749.3
37.5°	818.4	764.3	719.3	728.5	729.7
40°	795.4	729.7	696.2	706.6	577.5
42.5°	763.1	691.6	672.0	544.1	411.5
45°	737.7	655.9	647.8	395.4	134.9
47.5°	708.9	621.3	622.5	125.6	124.5
50°	673.2	585.6	487.6	118.7	121.0
52.5°	646.7	553.3	343.5	115.3	116.4
55°	609.8	517.6	116.4	110.7	109.5
57.5°	575.2	484.1	108.4	102.6	98.0
60°	536.0	448.4	102.6	91.1	87.6
62.5°	495.7	412.7	94.5	80.7	78.4
65°	454.2	326.2	83.0	71.5	70.3
67.5°	410.4	214.4	70.3	63.4	62.2
70°	362.0	84.1	61.1	55.3	53.0
72.5°	311.2	72.6	51.9	47.3	45.0
75°	255.9	59.9	42.7	38.0	36.9
77.5°	204.0	45.0	34.6	30.0	28.8
80°	152.2	33.4	26.5	23.1	21.9
82.5°	103.7	24.2	19.6	16.1	15.0
85°	54.2	16.1	13.8	10.4	9.2
87.5°	20.7	10.4	8.1	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)