

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: P217930

Luminaire Tested: **2SNLED-LD5-28SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-28SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3046.0 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

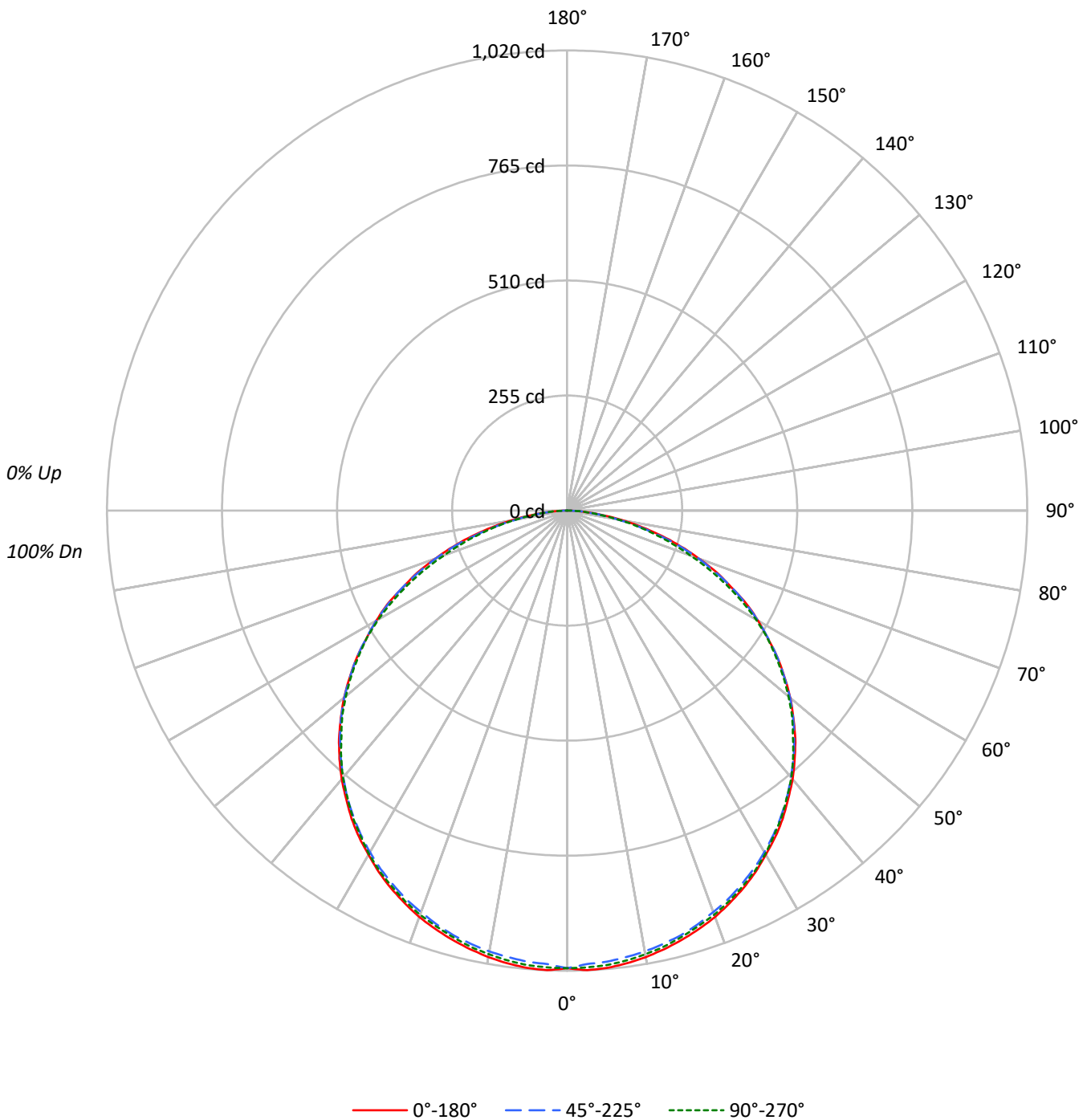
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32691	32691	32691
5°	32681	30436	30084
10°	32411	28608	27780
15°	32141	26973	25750
20°	31906	25396	23970
25°	31622	23956	22301
30°	31266	22557	20728
35°	30973	21173	19183
40°	30564	19774	17687
45°	30088	18376	16132
50°	29443	16896	14652
55°	28609	15290	13065
60°	27525	13539	11407
65°	25961	11610	9453
70°	23821	9368	7309
75°	20705	6730	5239
80°	15794	3986	3252
85°	8779	1717	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	3.2
10°-20°	276.8	9.1
20°-30°	424.0	13.9
30°-40°	519.0	17.0
40°-50°	549.2	18.0
50°-60°	508.0	16.7
60°-70°	394.5	12.9
70°-80°	222.2	7.3
80°-90°	56.2	1.8
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°	796.9	26.2
0°-40°	1315.9	43.2
0°-60°	2373.2	77.9
0°-90°	3046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	1018	1013	1004	1013	1011	97
15°	985	982	974	983	979	278
25°	924	921	914	922	920	426
35°	833	830	827	829	829	521
45°	715	714	712	711	708	551
55°	570	572	570	568	565	508
65°	401	404	402	397	390	398
75°	218	218	209	203	199	230
85°	46	46	45	45	44	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1014.4	1014.4	1014.4	1014.4	1014.4
2.5°	1019.7	1015.5	1006.0	1015.5	1013.4
5°	1017.6	1013.4	1003.9	1013.4	1011.3
7.5°	1012.3	1009.2	998.6	1008.1	1006.0
10°	1005.0	1001.8	992.3	1001.8	998.6
12.5°	995.5	992.3	983.9	992.3	990.2
15°	984.9	981.8	974.4	982.8	978.6
17.5°	972.3	970.2	961.8	970.2	966.0
20°	958.6	954.4	947.0	955.5	953.3
22.5°	941.8	939.7	932.3	939.7	937.5
25°	923.9	920.7	914.4	921.7	919.6
27.5°	903.8	901.7	895.4	900.7	900.7
30°	880.7	879.6	874.3	879.6	878.6
32.5°	858.5	856.4	851.2	855.4	853.3
35°	833.3	830.1	826.9	829.0	829.0
37.5°	804.8	803.8	800.6	803.8	800.6
40°	777.4	775.3	772.2	773.2	773.2
42.5°	746.9	745.8	742.7	742.7	741.6
45°	715.3	714.2	712.1	711.1	707.9
47.5°	680.5	679.5	679.5	678.4	676.3
50°	645.7	645.7	644.7	641.5	640.5
52.5°	607.8	609.9	606.8	604.7	603.6
55°	569.9	572.0	569.9	567.8	564.6
57.5°	527.8	532.0	528.8	527.8	526.7
60°	488.8	490.9	488.8	485.6	483.5
62.5°	448.8	448.8	445.6	443.5	437.2
65°	401.4	404.5	402.4	397.1	389.8
67.5°	359.2	357.1	355.0	348.7	340.3
70°	310.8	311.8	308.7	299.2	290.7
72.5°	264.4	266.5	260.2	247.6	245.4
75°	218.1	218.1	208.6	203.3	199.1
77.5°	170.7	171.7	159.1	158.0	157.0
80°	125.4	127.5	114.8	118.0	116.9
82.5°	85.3	83.2	78.0	78.0	76.9
85°	46.4	46.4	45.3	45.3	44.2
87.5°	17.9	19.0	21.1	23.2	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)