

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: P218630

Luminaire Tested: **2SNLED-LD5-21SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218630
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-LD5-21SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2176.0 lumens
Efficiency: N/A
Efficacy: 126.5 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

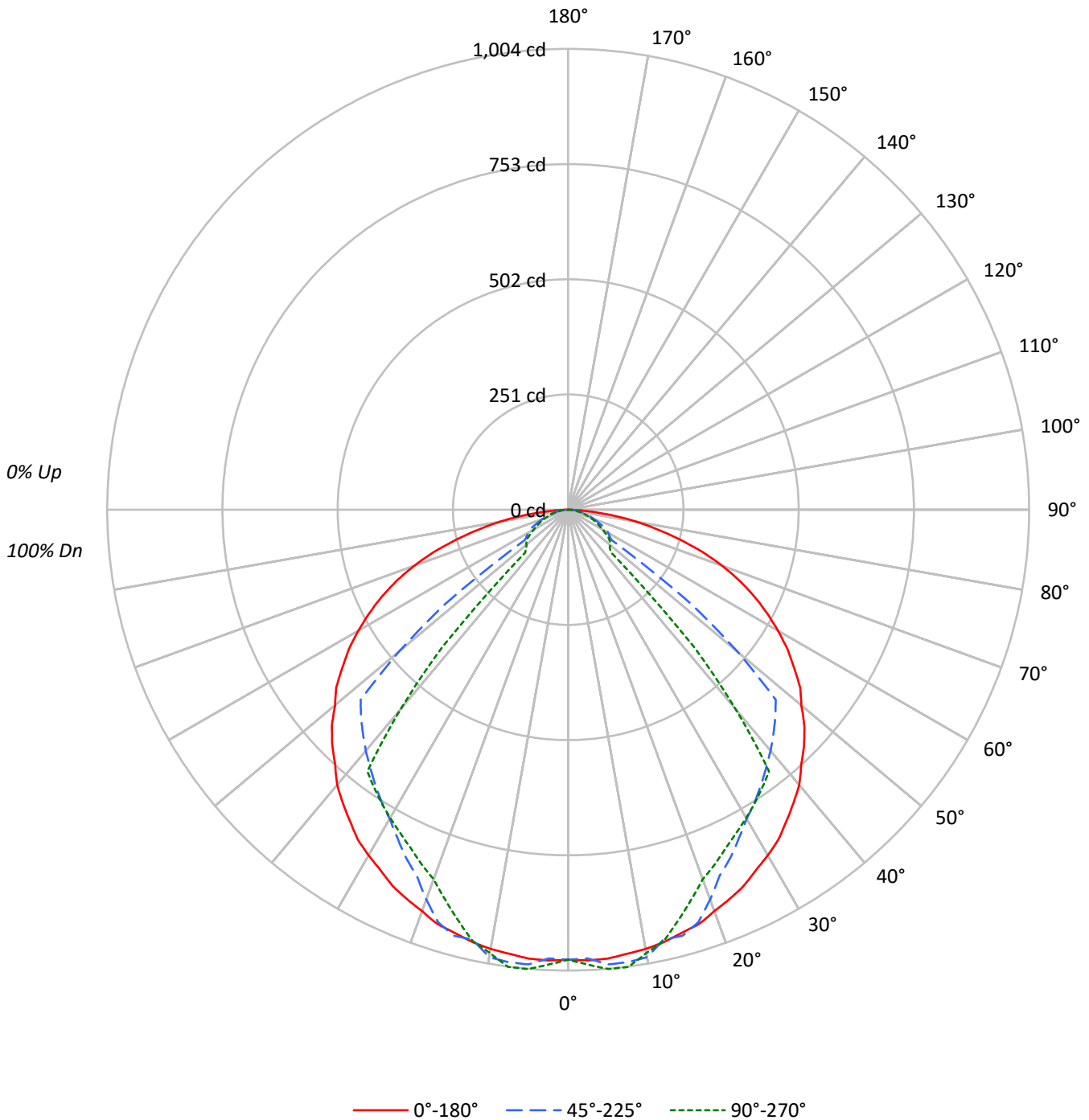
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31602	31602	31602
5°	31531	30145	29882
10°	31334	28533	27279
15°	31149	26610	24372
20°	30977	24230	21546
25°	30961	21915	19708
30°	30865	20060	18289
35°	30795	18746	17070
40°	30788	17554	13007
45°	30555	16461	3026
50°	30223	12582	2727
55°	30140	3075	2494
60°	29721	2798	2036
65°	28923	2357	1678
70°	27316	1827	1313
75°	23923	1355	955
80°	18867	906	601
85°	10084	515	271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	4.4
10°-20°	268.4	12.3
20°-30°	395.2	18.2
30°-40°	475.7	21.9
40°-50°	407.5	18.7
50°-60°	263.6	12.1
60°-70°	175.3	8.1
70°-80°	74.8	3.4
80°-90°	20.9	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°	758.3	34.8
0°-40°	1234.0	56.7
0°-60°	1905.1	87.6
0°-90°	2176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2176.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	982	985	994	1006	1004	93
15°	954	981	961	941	926	270
25°	905	910	836	818	813	417
35°	828	797	732	738	738	519
45°	726	646	638	389	133	560
55°	600	510	115	109	108	537
65°	447	321	82	70	69	441
75°	252	59	42	38	36	267
85°	53	16	14	10	9	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.6	980.6	980.6	980.6	980.6
2.5°	982.9	979.5	978.4	990.8	992.0
5°	981.8	985.2	994.3	1005.6	1004.5
7.5°	976.1	987.4	994.3	1011.3	1004.5
10°	971.6	992.0	989.7	990.8	980.6
12.5°	964.7	984.0	959.1	976.1	962.5
15°	954.5	980.6	961.3	940.9	926.2
17.5°	946.6	973.8	942.0	893.2	891.0
20°	930.7	945.4	903.5	868.3	856.9
22.5°	918.2	935.2	862.6	838.8	835.4
25°	904.6	910.3	836.5	818.3	812.7
27.5°	885.3	896.6	805.8	796.8	793.4
30°	869.4	869.4	777.5	777.5	775.2
32.5°	852.4	833.1	755.9	757.0	757.0
35°	828.5	796.8	732.1	737.7	737.7
37.5°	805.8	752.5	708.2	717.3	718.5
40°	783.1	718.5	685.5	695.8	568.6
42.5°	751.4	681.0	661.7	535.7	405.2
45°	726.4	645.8	637.9	389.3	132.8
47.5°	698.0	611.8	612.9	123.7	122.6
50°	662.8	576.6	480.1	116.9	119.2
52.5°	636.7	544.8	338.2	113.5	114.6
55°	600.4	509.6	114.6	109.0	107.8
57.5°	566.4	476.7	106.7	101.0	96.5
60°	527.8	441.5	101.0	89.7	86.3
62.5°	488.0	406.3	93.1	79.4	77.2
65°	447.2	321.2	81.7	70.4	69.2
67.5°	404.1	211.1	69.2	62.4	61.3
70°	356.4	82.9	60.2	54.5	52.2
72.5°	306.4	71.5	51.1	46.5	44.3
75°	252.0	59.0	42.0	37.5	36.3
77.5°	200.9	44.3	34.0	29.5	28.4
80°	149.8	32.9	26.1	22.7	21.6
82.5°	102.1	23.8	19.3	15.9	14.8
85°	53.3	15.9	13.6	10.2	9.1
87.5°	20.4	10.2	7.9	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)