

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: P218631

Luminaire Tested: **2SNLED-LD5-21SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218631
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2312.0 lumens
Efficiency: N/A
Efficacy: 134.4 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

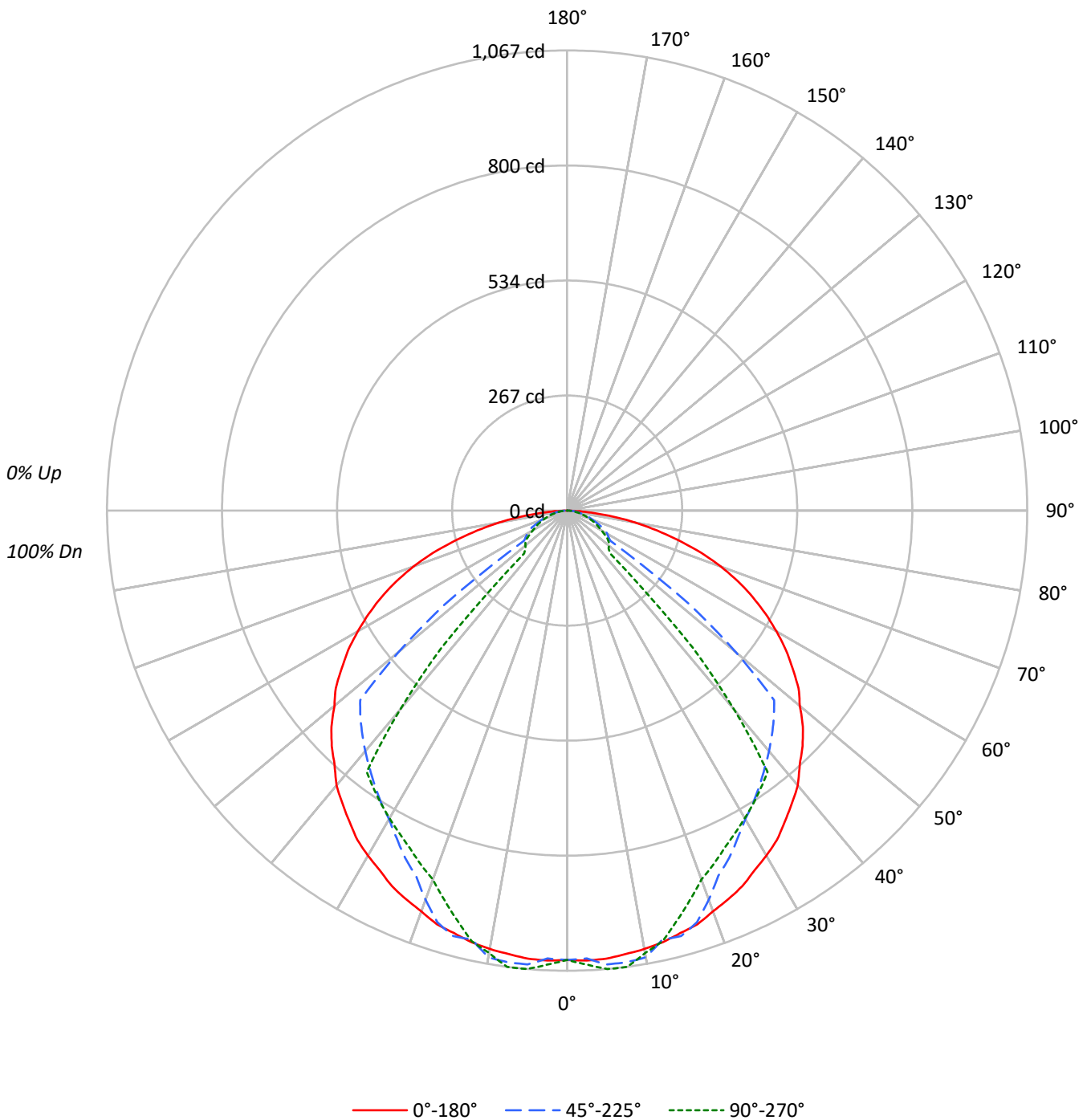
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33578	33578	33578
5°	33500	32028	31747
10°	33291	30317	28985
15°	33097	28274	25892
20°	32915	25742	22894
25°	32895	23286	20938
30°	32793	21314	19433
35°	32720	19916	18139
40°	32714	18652	13821
45°	32465	17488	3215
50°	32115	13368	2896
55°	32023	3268	2652
60°	31579	2972	2163
65°	30727	2504	1785
70°	29025	1939	1395
75°	25414	1439	1016
80°	20051	962	637
85°	10727	550	286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	4.4
10°-20°	285.1	12.3
20°-30°	419.9	18.2
30°-40°	505.5	21.9
40°-50°	432.9	18.7
50°-60°	280.1	12.1
60°-70°	186.2	8.1
70°-80°	79.4	3.4
80°-90°	22.2	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°	805.7	34.8
0°-40°	1311.1	56.7
0°-60°	2024.2	87.5
0°-90°	2312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2312.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1042	1042	1042	1042	1042	
5°	1043	1047	1056	1068	1067	99
15°	1014	1042	1021	1000	984	287
25°	961	967	889	870	863	443
35°	880	847	778	784	784	552
45°	772	686	678	414	141	595
55°	638	542	122	116	115	570
65°	475	341	87	75	74	469
75°	268	63	45	40	39	284
85°	57	17	14	11	10	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1041.9	1041.9	1041.9	1041.9	1041.9
2.5°	1044.3	1040.7	1039.5	1052.8	1054.0
5°	1043.1	1046.7	1056.4	1068.5	1067.2
7.5°	1037.1	1049.2	1056.4	1074.5	1067.2
10°	1032.3	1054.0	1051.6	1052.8	1041.9
12.5°	1025.0	1045.5	1019.0	1037.1	1022.6
15°	1014.2	1041.9	1021.4	999.7	984.0
17.5°	1005.7	1034.7	1000.9	949.1	946.7
20°	988.9	1004.5	959.9	922.5	910.5
22.5°	975.6	993.7	916.5	891.2	887.6
25°	961.1	967.2	888.8	869.5	863.4
27.5°	940.6	952.7	856.2	846.6	842.9
30°	923.7	923.7	826.1	826.1	823.7
32.5°	905.7	885.2	803.1	804.4	804.4
35°	880.3	846.6	777.8	783.9	783.9
37.5°	856.2	799.5	752.5	762.1	763.4
40°	832.1	763.4	728.4	739.2	604.2
42.5°	798.3	723.6	703.1	569.2	430.5
45°	771.8	686.2	677.7	413.6	141.1
47.5°	741.6	650.0	651.2	131.4	130.2
50°	704.3	612.6	510.1	124.2	126.6
52.5°	676.5	578.8	359.4	120.6	121.8
55°	637.9	541.5	121.8	115.8	114.6
57.5°	601.8	506.5	113.4	107.3	102.5
60°	560.8	469.1	107.3	95.3	91.7
62.5°	518.6	431.7	98.9	84.4	82.0
65°	475.1	341.3	86.8	74.8	73.6
67.5°	429.3	224.3	73.6	66.3	65.1
70°	378.7	88.0	63.9	57.9	55.5
72.5°	325.6	76.0	54.3	49.4	47.0
75°	267.7	62.7	44.6	39.8	38.6
77.5°	213.4	47.0	36.2	31.4	30.1
80°	159.2	35.0	27.7	24.1	22.9
82.5°	108.5	25.3	20.5	16.9	15.7
85°	56.7	16.9	14.5	10.9	9.6
87.5°	21.7	10.9	8.4	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)