

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: P217946

Luminaire Tested: **4SNLED-LD5-28SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217946
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: 4SNLED-LD5-28SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3190.0 lumens
Efficiency: N/A
Efficacy: 165.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

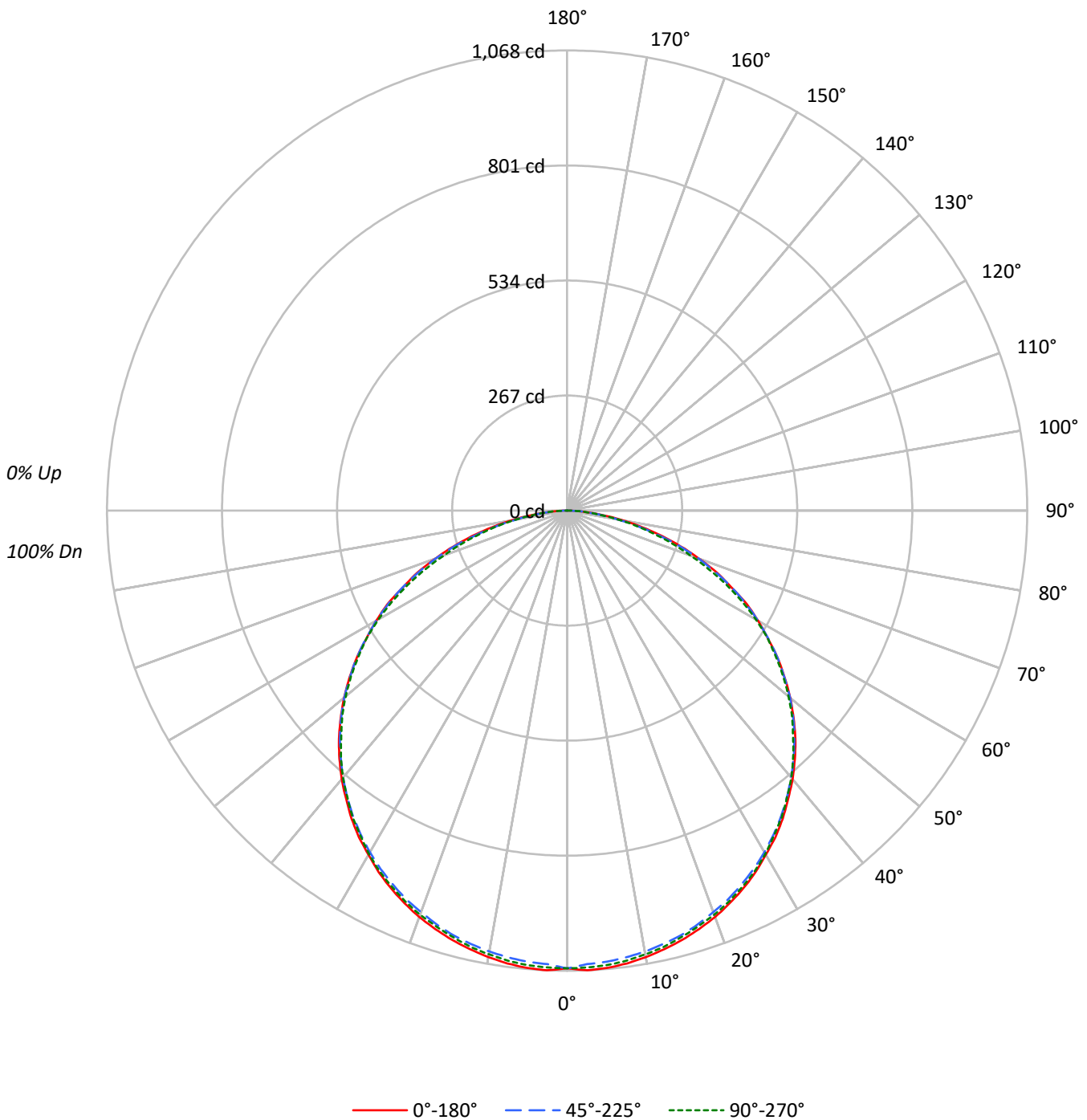
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17119	17119	17119
5°	17175	15977	15753
10°	17095	15049	14548
15°	17017	14218	13484
20°	16957	13411	12552
25°	16873	12673	11678
30°	16757	11954	10854
35°	16677	11238	10045
40°	16547	10513	9262
45°	16386	9786	8448
50°	16150	9013	7672
55°	15823	8171	6841
60°	15385	7249	5973
65°	14708	6228	4950
70°	13757	5036	3828
75°	12303	3627	2743
80°	9851	2156	1704
85°	6070	930	689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.2
10°-20°	289.8	9.1
20°-30°	444.1	13.9
30°-40°	543.5	17.0
40°-50°	575.2	18.0
50°-60°	532.0	16.7
60°-70°	413.1	12.9
70°-80°	232.7	7.3
80°-90°	58.9	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°	834.6	26.2
0°-40°	1378.2	43.2
0°-60°	2485.4	77.9
0°-90°	3190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1066	1061	1051	1061	1059	101
15°	1032	1028	1020	1029	1025	291
25°	968	964	958	965	963	446
35°	873	869	866	868	868	546
45°	749	748	746	745	741	577
55°	597	599	597	595	591	532
65°	420	424	421	416	408	417
75°	228	228	218	213	208	241
85°	48	48	47	47	46	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1062.4	1062.4	1062.4	1062.4	1062.4
2.5°	1067.9	1063.5	1053.6	1063.5	1061.3
5°	1065.7	1061.3	1051.4	1061.3	1059.1
7.5°	1060.2	1056.9	1045.9	1055.8	1053.6
10°	1052.5	1049.2	1039.2	1049.2	1045.9
12.5°	1042.5	1039.2	1030.4	1039.2	1037.0
15°	1031.5	1028.2	1020.5	1029.3	1024.9
17.5°	1018.3	1016.1	1007.2	1016.1	1011.7
20°	1003.9	999.5	991.8	1000.6	998.4
22.5°	986.3	984.1	976.4	984.1	981.9
25°	967.5	964.2	957.6	965.3	963.1
27.5°	946.6	944.4	937.7	943.3	943.3
30°	922.3	921.2	915.7	921.2	920.1
32.5°	899.1	896.9	891.4	895.8	893.6
35°	872.6	869.3	866.0	868.2	868.2
37.5°	842.9	841.8	838.4	841.8	838.4
40°	814.2	812.0	808.7	809.8	809.8
42.5°	782.2	781.1	777.8	777.8	776.7
45°	749.1	748.0	745.8	744.7	741.4
47.5°	712.7	711.6	711.6	710.5	708.3
50°	676.3	676.3	675.2	671.9	670.8
52.5°	636.6	638.8	635.5	633.2	632.1
55°	596.8	599.0	596.8	594.6	591.3
57.5°	552.7	557.1	553.8	552.7	551.6
60°	511.9	514.1	511.9	508.6	506.4
62.5°	470.0	470.0	466.7	464.5	457.8
65°	420.3	423.6	421.4	415.9	408.2
67.5°	376.2	374.0	371.8	365.2	356.3
70°	325.5	326.6	323.2	313.3	304.5
72.5°	276.9	279.1	272.5	259.3	257.1
75°	228.4	228.4	218.4	212.9	208.5
77.5°	178.7	179.8	166.6	165.5	164.4
80°	131.3	133.5	120.3	123.6	122.5
82.5°	89.4	87.2	81.6	81.6	80.5
85°	48.5	48.5	47.4	47.4	46.3
87.5°	18.8	19.9	22.1	24.3	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)