

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: P217929

Luminaire Tested: **2SNLED-LD5-28SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217929  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2816.0 lumens  
Efficiency: N/A  
Efficacy: 140.1 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

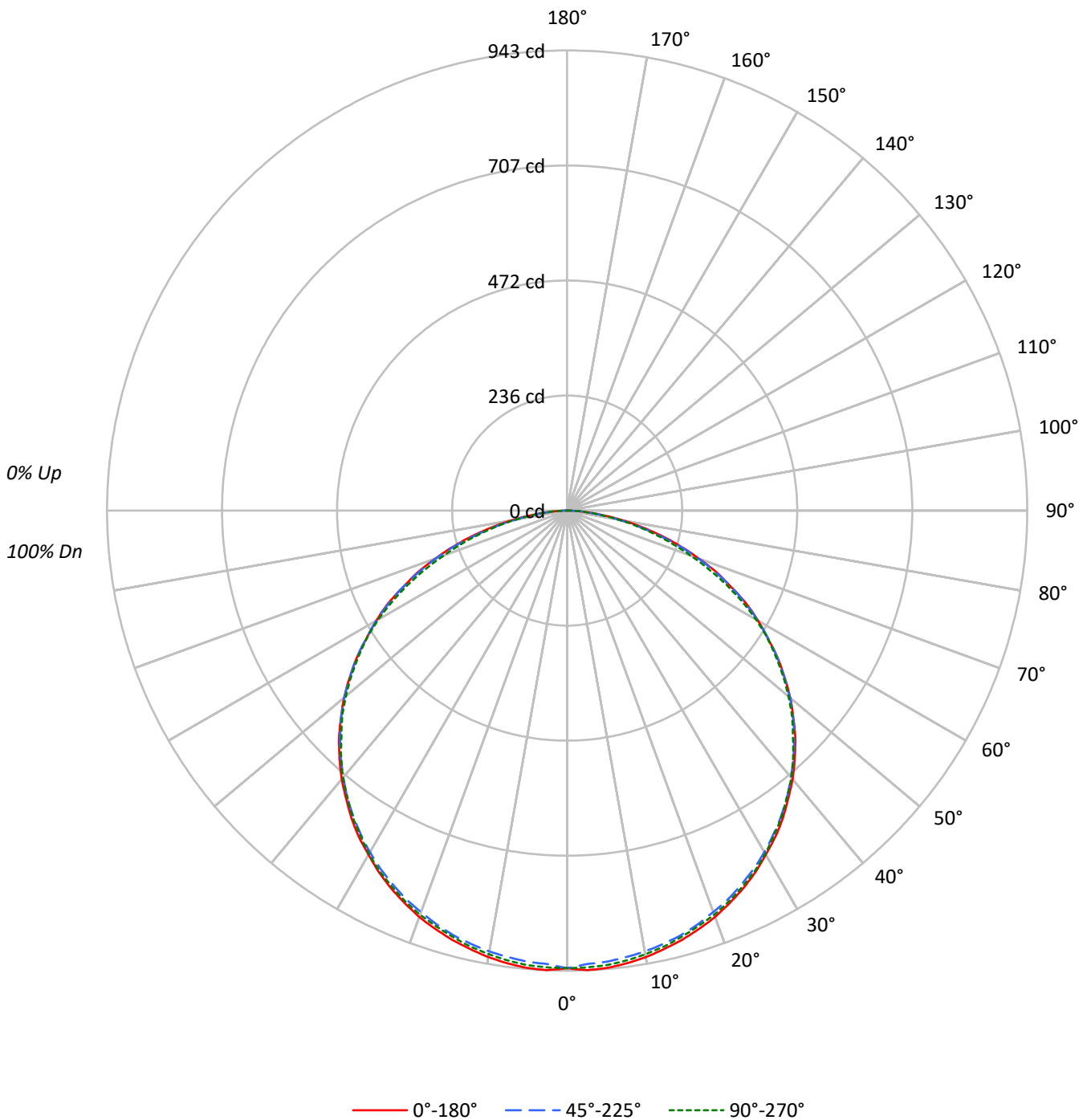
Input Watts (W): 20.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	30223	30223	30223
5°	30215	28138	27811
10°	29963	26448	25683
15°	29717	24935	23806
20°	29496	23479	22162
25°	29233	22146	20618
30°	28905	20854	19161
35°	28631	19576	17734
40°	28256	18281	16351
45°	27817	16988	14913
50°	27223	15620	13544
55°	26450	14137	12079
60°	25447	12517	10546
65°	23994	10733	8738
70°	22020	8658	6759
75°	19139	6220	4844
80°	14597	3687	3007
85°	8117	1588	1217



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	3.2
10°-20°	255.9	9.1
20°-30°	392.0	13.9
30°-40°	479.8	17.0
40°-50°	507.8	18.0
50°-60°	469.6	16.7
60°-70°	364.7	13.0
70°-80°	205.4	7.3
80°-90°	52.0	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°	736.8	26.2
0°-40°	1216.6	43.2
0°-60°	2194.0	77.9
0°-90°	2816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2816.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	941	937	928	937	935	89
15°	911	908	901	909	905	257
25°	854	851	845	852	850	394
35°	770	767	764	766	766	482
45°	661	660	658	657	654	510
55°	527	529	527	525	522	470
65°	371	374	372	367	360	368
75°	202	202	193	188	184	212
85°	43	43	42	42	41	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	937.8	937.8	937.8	937.8	937.8
2.5°	942.7	938.8	930.1	938.8	936.9
5°	940.8	936.9	928.1	936.9	934.9
7.5°	935.9	933.0	923.2	932.0	930.1
10°	929.1	926.2	917.4	926.2	923.2
12.5°	920.3	917.4	909.6	917.4	915.4
15°	910.6	907.7	900.8	908.6	904.7
17.5°	898.9	896.9	889.2	896.9	893.0
20°	886.2	882.3	875.5	883.3	881.4
22.5°	870.6	868.7	861.9	868.7	866.8
25°	854.1	851.2	845.3	852.1	850.2
27.5°	835.6	833.6	827.8	832.7	832.7
30°	814.2	813.2	808.3	813.2	812.2
32.5°	793.7	791.8	786.9	790.8	788.8
35°	770.3	767.4	764.5	766.4	766.4
37.5°	744.0	743.1	740.1	743.1	740.1
40°	718.7	716.8	713.9	714.8	714.8
42.5°	690.5	689.5	686.6	686.6	685.6
45°	661.3	660.3	658.3	657.4	654.4
47.5°	629.1	628.2	628.2	627.2	625.2
50°	597.0	597.0	596.0	593.1	592.1
52.5°	561.9	563.9	561.0	559.0	558.0
55°	526.9	528.8	526.9	524.9	522.0
57.5°	487.9	491.8	488.9	487.9	486.9
60°	451.9	453.8	451.9	449.0	447.0
62.5°	414.9	414.9	412.0	410.0	404.2
65°	371.0	374.0	372.0	367.2	360.3
67.5°	332.1	330.1	328.2	322.4	314.6
70°	287.3	288.3	285.3	276.6	268.8
72.5°	244.4	246.4	240.5	228.9	226.9
75°	201.6	201.6	192.8	188.0	184.1
77.5°	157.8	158.7	147.1	146.1	145.1
80°	115.9	117.8	106.2	109.1	108.1
82.5°	78.9	76.9	72.1	72.1	71.1
85°	42.9	42.9	41.9	41.9	40.9
87.5°	16.6	17.5	19.5	21.4	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)