

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: P218045

Luminaire Tested: **2SNLED-LD5-22SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218045  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-22SL-LC-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2405.0 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

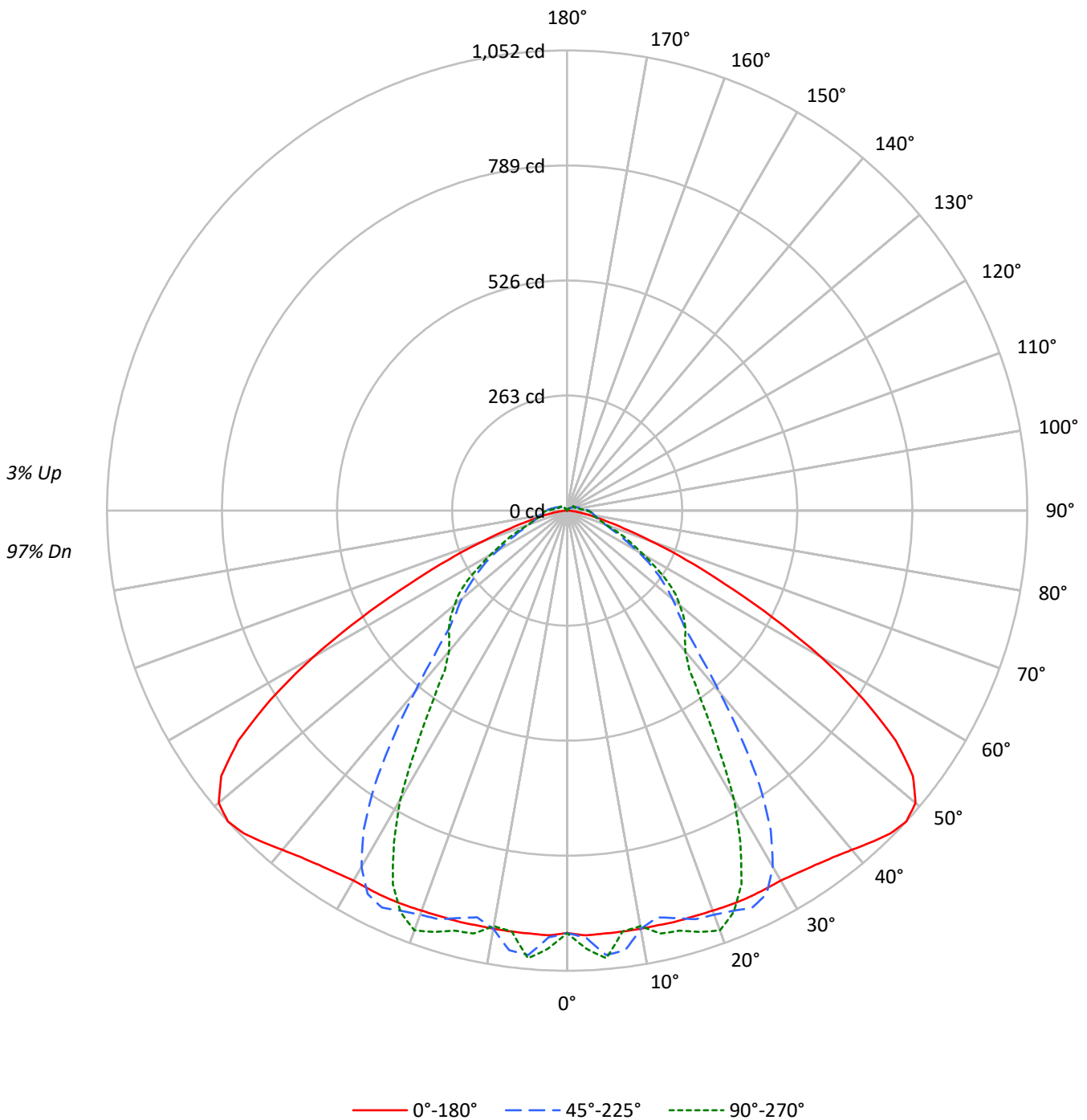
Input Watts (W): 17.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	31122	31122	31122
5°	31175	30922	30560
10°	31305	27985	26832
15°	31717	26699	26156
20°	32389	26361	25674
25°	33432	26236	22854
30°	34678	24250	17996
35°	36764	19658	12468
40°	39807	13861	9596
45°	43936	9842	8719
50°	47405	8253	7684
55°	46074	6767	6405
60°	37824	5110	4789
65°	25780	3690	3521
70°	15750	2801	2414
75°	8639	2381	1910
80°	4647	2222	1644
85°	1854	2145	1648



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.9	3.9
10°-20°	279.6	11.6
20°-30°	444.3	18.5
30°-40°	479.0	19.9
40°-50°	412.9	17.2
50°-60°	312.6	13.0
60°-70°	168.9	7.0
70°-80°	80.2	3.3
80°-90°	50.4	2.1
90°-100°	32.1	1.3
100°-110°	20.5	0.9
110°-120°	13.7	0.6
120°-130°	9.1	0.4
130°-140°	4.4	0.2
140°-150°	1.9	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	818.8	34.0
0°-40°	1297.8	54.0
0°-60°	2023.2	84.1
0°-90°	2322.6	96.6
90°-120°	66.3	2.8
90°-150°	81.7	3.4
90°-180°	82.0	3.4
0°-180°	2405.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	971	992	1020	1033	1027	93
15°	972	998	964	998	994	275
25°	977	958	1001	974	942	452
35°	989	952	768	587	539	623
45°	1044	654	381	378	383	804
55°	918	283	252	276	277	798
65°	399	121	128	144	145	409
75°	91	63	74	74	73	107
85°	10	38	57	57	55	14
90°	0	30	49	48	44	1
95°	0	23	39	36	33	0
105°	0	15	27	25	22	0
115°	0	9	18	18	18	0
125°	0	5	12	16	15	0
135°	0	2	7	9	9	0
145°	0	1	4	5	4	0
155°	0	1	1	2	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	971.9	973.1	976.8	995.3	1002.6
5°	970.7	991.6	1019.9	1033.4	1027.3
7.5°	970.7	1013.7	1013.7	987.9	970.7
10°	970.7	1026.0	970.7	965.7	964.5
12.5°	970.7	1018.6	952.2	986.7	990.3
15°	971.9	997.7	964.5	997.7	994.0
17.5°	971.9	973.1	979.3	1005.1	1010.0
20°	973.1	957.1	983.0	1024.8	1021.1
22.5°	975.6	954.7	990.3	1016.2	994.0
25°	976.8	958.4	1001.4	974.4	942.4
27.5°	976.8	963.3	987.9	910.4	857.5
30°	976.8	965.7	939.9	821.8	762.8
32.5°	981.7	963.3	866.1	706.2	642.2
35°	989.1	952.2	767.7	586.8	538.8
37.5°	999.0	922.7	652.0	490.9	458.9
40°	1012.5	858.7	541.3	429.4	419.5
42.5°	1028.5	765.2	450.3	398.6	398.6
45°	1044.5	654.5	381.4	377.7	382.6
47.5°	1051.9	546.2	343.2	356.8	361.7
50°	1039.6	445.3	314.9	333.4	335.9
52.5°	996.5	355.5	283.0	305.1	311.3
55°	917.8	283.0	252.2	275.6	276.8
57.5°	803.3	225.1	220.2	238.7	237.4
60°	671.7	182.1	184.5	203.0	203.0
62.5°	530.2	147.6	155.0	171.0	169.8
65°	398.6	120.6	127.9	143.9	145.2
67.5°	294.0	99.6	108.3	119.3	116.9
70°	205.5	83.7	92.3	98.4	96.0
72.5°	136.6	71.4	81.2	83.7	82.4
75°	91.0	62.7	73.8	73.8	72.6
77.5°	59.1	55.4	68.9	67.7	65.2
80°	36.9	49.2	64.0	61.5	59.1
82.5°	22.1	43.1	60.3	57.8	55.4
85°	9.8	38.1	56.6	56.6	55.4
87.5°	3.7	34.4	52.9	54.1	51.7
90°	0.0	29.5	49.2	48.0	44.3
92.5°	0.0	27.1	44.3	40.6	38.1
95°	0.0	23.4	39.4	35.7	33.2
97.5°	0.0	20.9	35.7	32.0	29.5
100°	0.0	18.5	32.0	28.3	25.8
102.5°	0.0	16.0	29.5	25.8	24.6
105°	0.0	14.8	27.1	24.6	22.1
107.5°	0.0	13.5	24.6	22.1	20.9
110°	0.0	11.1	22.1	20.9	19.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.8	19.7	19.7	19.7
115°	0.0	8.6	18.5	18.5	18.5
117.5°	0.0	7.4	16.0	18.5	18.5
120°	0.0	7.4	14.8	17.2	17.2
122.5°	0.0	6.2	13.5	17.2	17.2
125°	0.0	4.9	12.3	16.0	14.8
127.5°	0.0	3.7	11.1	13.5	13.5
130°	0.0	3.7	9.8	12.3	11.1
132.5°	0.0	2.5	8.6	9.8	9.8
135°	0.0	2.5	7.4	8.6	8.6
137.5°	0.0	2.5	6.2	7.4	6.2
140°	0.0	1.2	4.9	6.2	4.9
142.5°	0.0	1.2	4.9	6.2	4.9
145°	0.0	1.2	3.7	4.9	3.7
147.5°	0.0	1.2	2.5	3.7	3.7
150°	0.0	1.2	2.5	3.7	2.5
152.5°	0.0	1.2	2.5	2.5	1.2
155°	0.0	1.2	1.2	2.5	1.2
157.5°	0.0	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)