

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: P218165

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2335.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

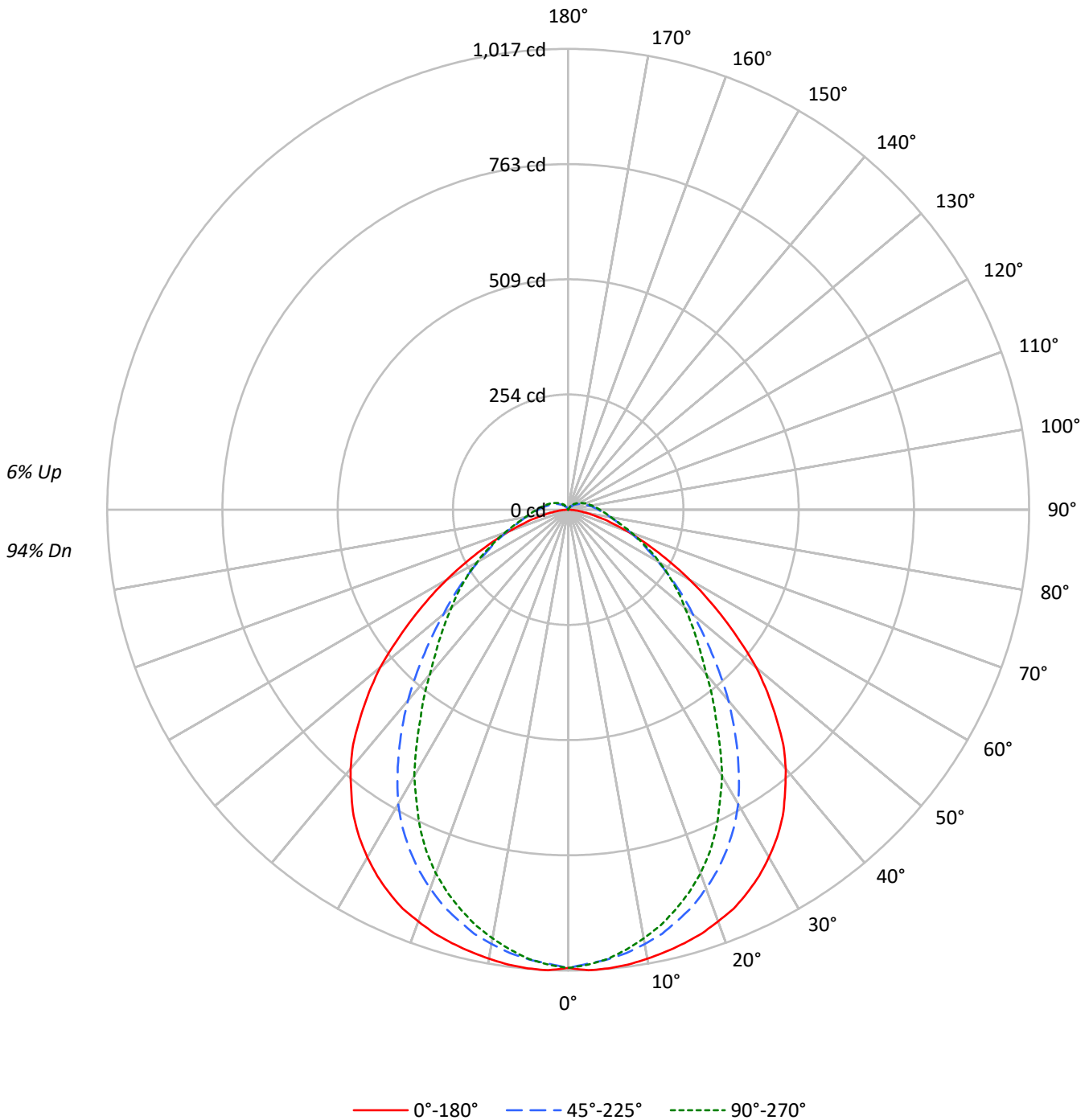
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32588	32588	32588
5°	32636	30212	29605
10°	32453	28054	26729
15°	32317	25949	24051
20°	32182	23851	21468
25°	31957	21690	18765
30°	31447	19361	16021
35°	30683	16664	13180
40°	29357	14081	10863
45°	27270	11556	9111
50°	24683	9414	7681
55°	21059	7757	6546
60°	17456	6337	5485
65°	13685	5254	4535
70°	10469	4406	3744
75°	7709	3730	3108
80°	5113	3288	2671
85°	2800	2982	2416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	4.1
10°-20°	266.8	11.4
20°-30°	386.4	16.5
30°-40°	420.5	18.0
40°-50°	373.5	16.0
50°-60°	284.3	12.2
60°-70°	188.8	8.1
70°-80°	115.0	4.9
80°-90°	71.3	3.1
90°-100°	48.7	2.1
100°-110°	34.2	1.5
110°-120°	23.3	1.0
120°-130°	14.8	0.6
130°-140°	8.4	0.4
140°-150°	3.9	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	748.2	32.0
0°-40°	1168.8	50.1
0°-60°	1826.5	78.2
0°-90°	2201.5	94.3
90°-120°	106.1	4.5
90°-150°	133.2	5.7
90°-180°	133.0	5.7
0°-180°	2335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1016	1010	996	1001	995	97
15°	990	973	937	926	914	280
25°	934	892	828	795	774	430
35°	826	752	651	594	570	514
45°	648	551	448	410	400	499
55°	420	341	289	284	283	376
65°	212	182	182	190	187	213
75°	81	92	116	122	118	88
85°	15	47	79	84	81	18
90°	0	34	66	73	70	1
95°	0	27	57	63	62	0
105°	0	17	41	47	47	0
115°	0	11	30	36	34	0
125°	0	7	20	25	25	0
135°	0	5	14	17	17	0
145°	0	2	7	10	10	0
155°	0	0	0	0	0	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°	1011.2	1011.2	1011.2	1011.2	1011.2
2.5°	1017.4	1012.5	1002.6	1008.8	1005.1
5°	1016.2	1010.0	996.5	1001.4	995.2
7.5°	1012.5	1005.1	986.6	989.1	979.2
10°	1006.3	996.5	973.1	970.6	960.8
12.5°	998.9	986.6	958.3	949.7	939.9
15°	990.3	973.1	937.4	926.3	914.0
17.5°	980.5	957.1	916.5	899.3	885.8
20°	966.9	938.6	889.4	868.5	853.8
22.5°	953.4	916.5	861.1	832.9	816.9
25°	933.7	891.9	827.9	794.7	773.8
27.5°	911.6	863.6	791.0	748.0	724.6
30°	885.8	830.4	750.4	700.0	679.1
32.5°	857.5	793.5	701.2	647.1	623.7
35°	825.5	751.7	650.8	594.2	569.6
37.5°	786.1	706.1	600.3	542.5	522.8
40°	746.7	658.2	549.9	495.8	474.9
42.5°	702.4	605.3	498.2	449.0	434.3
45°	648.3	551.1	447.8	409.7	399.8
47.5°	595.4	495.8	402.3	375.2	366.6
50°	541.3	441.6	359.2	342.0	335.8
52.5°	478.6	388.7	323.5	312.5	310.0
55°	419.5	340.8	289.1	284.2	282.9
57.5°	362.9	295.3	257.1	260.8	258.3
60°	310.0	253.4	228.8	233.7	232.5
62.5°	258.3	215.3	203.0	212.8	210.4
65°	211.6	182.1	182.1	189.5	187.0
67.5°	171.0	155.0	162.4	169.8	167.3
70°	136.6	130.4	145.2	151.3	148.9
72.5°	105.8	109.5	127.9	135.3	131.6
75°	81.2	92.3	115.6	121.8	118.1
77.5°	57.8	77.5	104.6	109.5	105.8
80°	40.6	65.2	94.7	99.6	96.0
82.5°	25.8	55.4	86.1	91.0	88.6
85°	14.8	46.7	78.7	83.7	81.2
87.5°	7.4	40.6	71.4	77.5	75.0
90°	0.0	34.4	66.4	72.6	70.1
92.5°	0.0	30.8	61.5	67.7	65.2
95°	0.0	27.1	56.6	62.7	61.5
97.5°	0.0	24.6	52.9	59.1	56.6
100°	0.0	20.9	48.0	54.1	52.9
102.5°	0.0	19.7	44.3	50.4	49.2
105°	0.0	17.2	40.6	46.7	46.7
107.5°	0.0	16.0	38.1	44.3	43.1
110°	0.0	13.5	34.4	40.6	40.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.3	32.0	38.1	36.9
115°	0.0	11.1	29.5	35.7	34.4
117.5°	0.0	11.1	27.1	32.0	32.0
120°	0.0	9.8	24.6	29.5	29.5
122.5°	0.0	8.6	22.1	27.1	27.1
125°	0.0	7.4	19.7	24.6	24.6
127.5°	0.0	7.4	18.5	23.4	23.4
130°	0.0	6.2	16.0	20.9	20.9
132.5°	0.0	4.9	14.8	18.5	18.5
135°	0.0	4.9	13.5	17.2	17.2
137.5°	0.0	3.7	11.1	14.8	14.8
140°	0.0	3.7	9.8	13.5	13.5
142.5°	0.0	2.5	8.6	12.3	11.1
145°	0.0	2.5	7.4	9.8	9.8
147.5°	0.0	1.2	6.2	8.6	8.6
150°	0.0	1.2	4.9	7.4	6.2
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)