

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: P218047

Luminaire Tested: **2SNLED-LD5-26SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218047
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-LD5-26SL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2541.1 lumens
Efficiency: N/A
Efficacy: 126.4 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

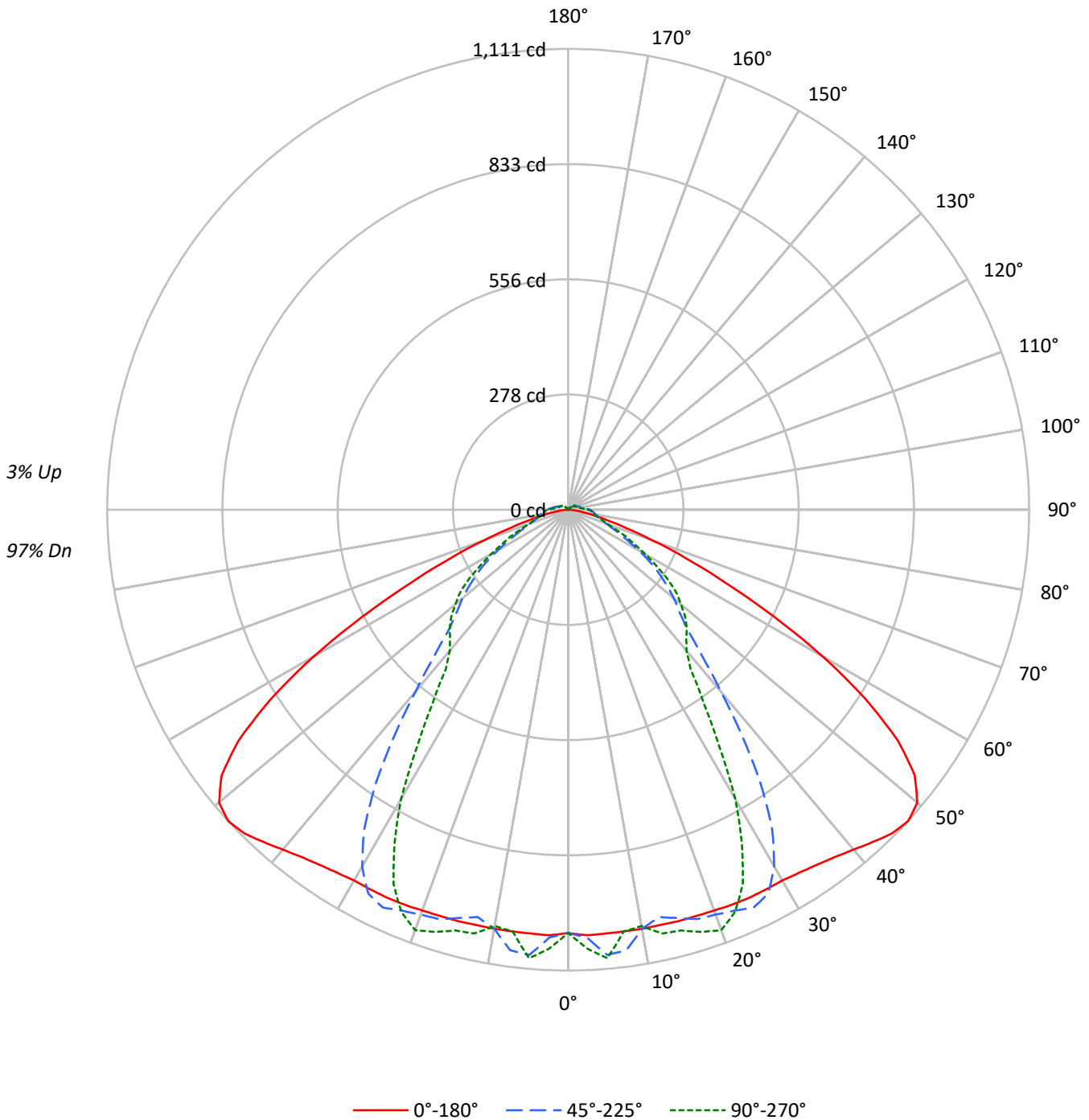
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	32885	32885	32885
5°	32938	32668	32285
10°	33075	29568	28351
15°	33512	28210	27634
20°	34223	27853	27125
25°	35325	27719	24146
30°	36641	25622	19013
35°	38842	20769	13173
40°	42055	14645	10138
45°	46418	10397	9211
50°	50082	8722	8116
55°	48679	7150	6768
60°	39964	5401	5060
65°	27235	3901	3720
70°	16639	2959	2550
75°	9133	2517	2018
80°	4912	2347	1736
85°	1968	2266	1740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	3.9
10°-20°	295.4	11.6
20°-30°	469.4	18.5
30°-40°	506.1	19.9
40°-50°	436.2	17.2
50°-60°	330.3	13.0
60°-70°	178.4	7.0
70°-80°	84.7	3.3
80°-90°	53.2	2.1
90°-100°	33.9	1.3
100°-110°	21.7	0.9
110°-120°	14.5	0.6
120°-130°	9.6	0.4
130°-140°	4.7	0.2
140°-150°	2.0	0.1
150°-160°	0.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	865.1	34.0
0°-40°	1371.2	54.0
0°-60°	2137.6	84.1
0°-90°	2454.0	96.6
90°-120°	70.0	2.8
90°-150°	86.3	3.4
90°-180°	87.0	3.4
0°-180°	2541.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1026	1048	1078	1092	1085	98
15°	1027	1054	1019	1054	1050	291
25°	1032	1013	1058	1030	996	477
35°	1045	1006	811	620	569	658
45°	1104	692	403	399	404	849
55°	970	299	266	291	292	843
65°	421	127	135	152	153	432
75°	96	66	78	78	77	113
85°	10	40	60	60	58	15
90°	0	31	52	51	47	1
95°	0	25	42	38	35	0
105°	0	16	29	26	23	0
115°	0	9	20	20	20	0
125°	0	5	13	17	16	0
135°	0	3	8	9	9	0
145°	0	1	4	5	4	0
155°	0	1	1	3	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°	1020.4	1020.4	1020.4	1020.4	1020.4
2.5°	1026.9	1028.2	1032.1	1051.5	1059.3
5°	1025.6	1047.6	1077.5	1091.8	1085.3
7.5°	1025.6	1071.0	1071.0	1043.7	1025.6
10°	1025.6	1084.0	1025.6	1020.4	1019.1
12.5°	1025.6	1076.2	1006.1	1042.4	1046.3
15°	1026.9	1054.1	1019.1	1054.1	1050.2
17.5°	1026.9	1028.2	1034.7	1061.9	1067.1
20°	1028.2	1011.3	1038.6	1082.7	1078.8
22.5°	1030.8	1008.7	1046.3	1073.6	1050.2
25°	1032.1	1012.6	1058.0	1029.5	995.7
27.5°	1032.1	1017.8	1043.7	961.9	906.0
30°	1032.1	1020.4	993.1	868.3	805.9
32.5°	1037.3	1017.8	915.1	746.1	678.5
35°	1045.0	1006.1	811.1	620.0	569.3
37.5°	1055.4	974.9	688.9	518.6	484.8
40°	1069.7	907.3	571.9	453.6	443.2
42.5°	1086.6	808.5	475.7	421.1	421.1
45°	1103.5	691.5	402.9	399.0	404.2
47.5°	1111.3	577.1	362.6	376.9	382.1
50°	1098.3	470.5	332.8	352.2	354.8
52.5°	1052.8	375.6	299.0	322.4	328.9
55°	969.7	299.0	266.5	291.2	292.5
57.5°	848.8	237.9	232.7	252.2	250.9
60°	709.7	192.4	195.0	214.5	214.5
62.5°	560.2	156.0	163.8	180.7	179.4
65°	421.1	127.4	135.2	152.1	153.4
67.5°	310.7	105.3	114.4	126.1	123.5
70°	217.1	88.4	97.5	104.0	101.4
72.5°	144.3	75.4	85.8	88.4	87.1
75°	96.2	66.3	78.0	78.0	76.7
77.5°	62.4	58.5	72.8	71.5	68.9
80°	39.0	52.0	67.6	65.0	62.4
82.5°	23.4	45.5	63.7	61.1	58.5
85°	10.4	40.3	59.8	59.8	58.5
87.5°	3.9	36.4	55.9	57.2	54.6
90°	0.0	31.2	52.0	50.7	46.8
92.5°	0.0	28.6	46.8	42.9	40.3
95°	0.0	24.7	41.6	37.7	35.1
97.5°	0.0	22.1	37.7	33.8	31.2
100°	0.0	19.5	33.8	29.9	27.3
102.5°	0.0	16.9	31.2	27.3	26.0
105°	0.0	15.6	28.6	26.0	23.4
107.5°	0.0	14.3	26.0	23.4	22.1
110°	0.0	11.7	23.4	22.1	20.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.4	20.8	20.8	20.8
115°	0.0	9.1	19.5	19.5	19.5
117.5°	0.0	7.8	16.9	19.5	19.5
120°	0.0	7.8	15.6	18.2	18.2
122.5°	0.0	6.5	14.3	18.2	18.2
125°	0.0	5.2	13.0	16.9	15.6
127.5°	0.0	3.9	11.7	14.3	14.3
130°	0.0	3.9	10.4	13.0	11.7
132.5°	0.0	2.6	9.1	10.4	10.4
135°	0.0	2.6	7.8	9.1	9.1
137.5°	0.0	2.6	6.5	7.8	6.5
140°	0.0	1.3	5.2	6.5	5.2
142.5°	0.0	1.3	5.2	6.5	5.2
145°	0.0	1.3	3.9	5.2	3.9
147.5°	0.0	1.3	2.6	3.9	3.9
150°	0.0	1.3	2.6	3.9	2.6
152.5°	0.0	1.3	2.6	2.6	1.3
155°	0.0	1.3	1.3	2.6	1.3
157.5°	0.0	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	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)