

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: P218048

Luminaire Tested: **2SNLED-LD5-26SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218048
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2699.0 lumens
Efficiency: N/A
Efficacy: 134.3 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

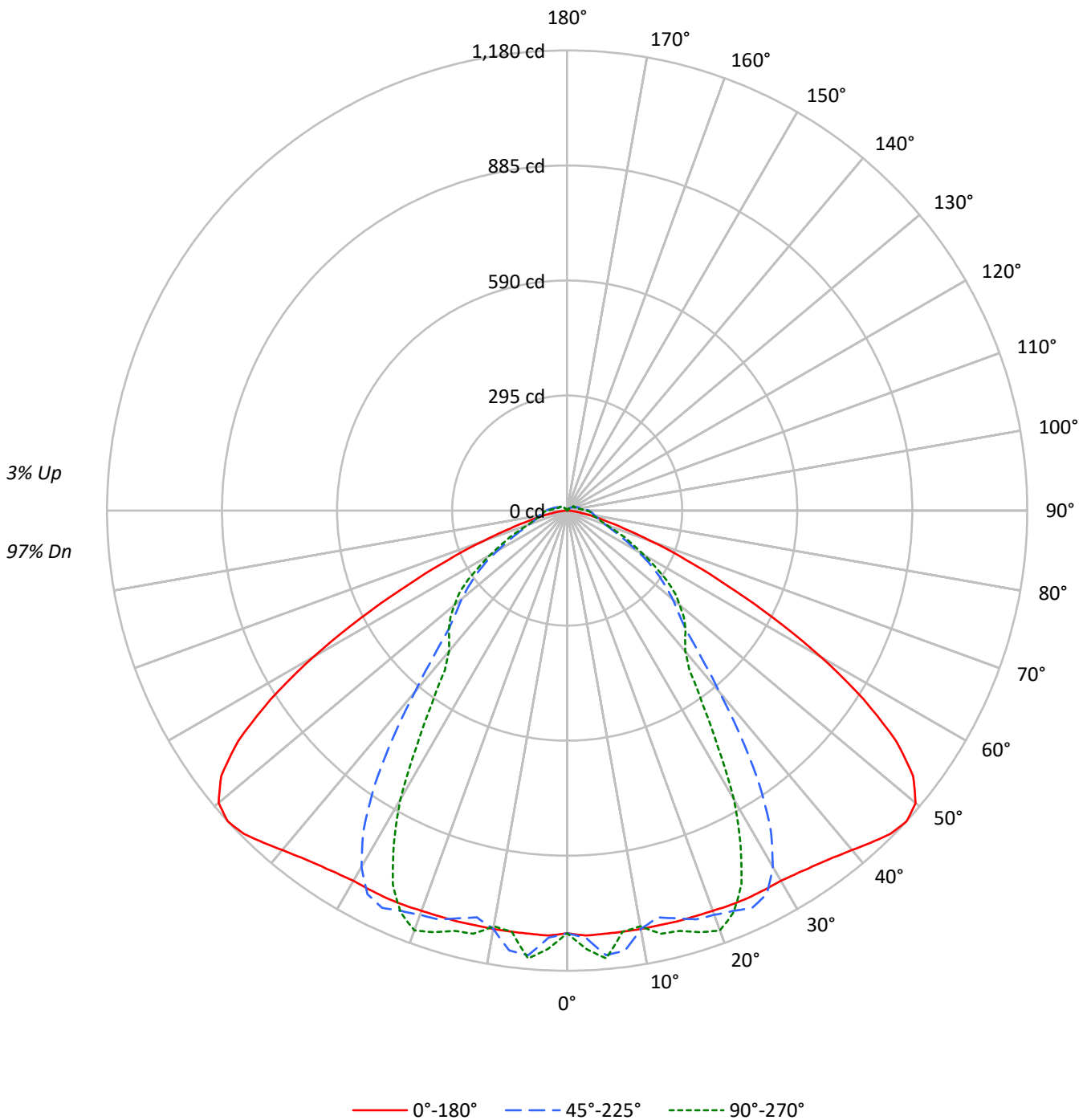
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218048

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218048

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L835-CD1-U

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	57	65	60	57	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°	34928	34928	34928
5°	34984	34699	34293
10°	35130	31404	30111
15°	35594	29962	29355
20°	36349	29582	28812
25°	37519	29442	25647
30°	38917	27214	20195
35°	41258	22059	13993
40°	44674	15556	10770
45°	49307	11045	9785
50°	53196	9262	8622
55°	51706	7593	7187
60°	42447	5736	5374
65°	28929	4143	3950
70°	17674	3141	2708
75°	9702	2671	2145
80°	5214	2493	1844
85°	2081	2406	1847



TEST NUMBER: P218048

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	3.9
10°-20°	313.8	11.6
20°-30°	498.6	18.5
30°-40°	537.6	19.9
40°-50°	463.3	17.2
50°-60°	350.8	13.0
60°-70°	189.5	7.0
70°-80°	90.0	3.3
80°-90°	56.5	2.1
90°-100°	36.0	1.3
100°-110°	23.0	0.9
110°-120°	15.4	0.6
120°-130°	10.2	0.4
130°-140°	5.0	0.2
140°-150°	2.1	0.1
150°-160°	0.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	918.9	34.0
0°-40°	1456.4	54.0
0°-60°	2270.5	84.1
0°-90°	2606.5	96.6
90°-120°	74.4	2.8
90°-150°	91.6	3.4
90°-180°	92.0	3.4
0°-180°	2699.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1089	1113	1144	1160	1153	104
15°	1091	1120	1082	1120	1116	309
25°	1096	1076	1124	1094	1058	507
35°	1110	1069	862	659	605	699
45°	1172	734	428	424	429	902
55°	1030	318	283	309	311	896
65°	447	135	144	162	163	459
75°	102	70	83	83	82	120
85°	11	43	64	64	62	16
90°	0	33	55	54	50	1
95°	0	26	44	40	37	0
105°	0	17	30	28	25	0
115°	0	10	21	21	21	0
125°	0	6	14	18	17	0
135°	0	3	8	10	10	0
145°	0	1	4	6	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



TEST NUMBER: P218048

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1083.8	1083.8	1083.8	1083.8	1083.8
2.5°	1090.7	1092.1	1096.2	1116.9	1125.2
5°	1089.3	1112.8	1144.5	1159.7	1152.8
7.5°	1089.3	1137.6	1137.6	1108.7	1089.3
10°	1089.3	1151.4	1089.3	1083.8	1082.4
12.5°	1089.3	1143.2	1068.6	1107.3	1111.4
15°	1090.7	1119.7	1082.4	1119.7	1115.6
17.5°	1090.7	1092.1	1099.0	1128.0	1133.5
20°	1092.1	1074.1	1103.1	1150.1	1145.9
22.5°	1094.8	1071.4	1111.4	1140.4	1115.6
25°	1096.2	1075.5	1123.8	1093.5	1057.6
27.5°	1096.2	1081.0	1108.7	1021.7	962.3
30°	1096.2	1083.8	1054.8	922.3	856.0
32.5°	1101.7	1081.0	972.0	792.5	720.7
35°	1110.0	1068.6	861.5	658.6	604.7
37.5°	1121.1	1035.5	731.7	550.9	515.0
40°	1136.3	963.7	607.5	481.8	470.8
42.5°	1154.2	858.8	505.3	447.3	447.3
45°	1172.2	734.5	428.0	423.9	429.4
47.5°	1180.4	613.0	385.2	400.4	405.9
50°	1166.6	499.8	353.4	374.2	376.9
52.5°	1118.3	399.0	317.5	342.4	349.3
55°	1030.0	317.5	283.0	309.3	310.6
57.5°	901.6	252.7	247.1	267.8	266.5
60°	753.8	204.3	207.1	227.8	227.8
62.5°	595.1	165.7	174.0	191.9	190.5
65°	447.3	135.3	143.6	161.5	162.9
67.5°	330.0	111.8	121.5	133.9	131.2
70°	230.6	93.9	103.5	110.5	107.7
72.5°	153.3	80.1	91.1	93.9	92.5
75°	102.2	70.4	82.8	82.8	81.5
77.5°	66.3	62.1	77.3	75.9	73.2
80°	41.4	55.2	71.8	69.0	66.3
82.5°	24.9	48.3	67.7	64.9	62.1
85°	11.0	42.8	63.5	63.5	62.1
87.5°	4.1	38.7	59.4	60.7	58.0
90°	0.0	33.1	55.2	53.8	49.7
92.5°	0.0	30.4	49.7	45.6	42.8
95°	0.0	26.2	44.2	40.0	37.3
97.5°	0.0	23.5	40.0	35.9	33.1
100°	0.0	20.7	35.9	31.8	29.0
102.5°	0.0	17.9	33.1	29.0	27.6
105°	0.0	16.6	30.4	27.6	24.9
107.5°	0.0	15.2	27.6	24.9	23.5
110°	0.0	12.4	24.9	23.5	22.1



TEST NUMBER: P218048

CATALOG NUMBER: 2SNLED-LD5-26SL-LC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.0	22.1	22.1	22.1
115°	0.0	9.7	20.7	20.7	20.7
117.5°	0.0	8.3	17.9	20.7	20.7
120°	0.0	8.3	16.6	19.3	19.3
122.5°	0.0	6.9	15.2	19.3	19.3
125°	0.0	5.5	13.8	17.9	16.6
127.5°	0.0	4.1	12.4	15.2	15.2
130°	0.0	4.1	11.0	13.8	12.4
132.5°	0.0	2.8	9.7	11.0	11.0
135°	0.0	2.8	8.3	9.7	9.7
137.5°	0.0	2.8	6.9	8.3	6.9
140°	0.0	1.4	5.5	6.9	5.5
142.5°	0.0	1.4	5.5	6.9	5.5
145°	0.0	1.4	4.1	5.5	4.1
147.5°	0.0	1.4	2.8	4.1	4.1
150°	0.0	1.4	2.8	4.1	2.8
152.5°	0.0	1.4	2.8	2.8	1.4
155°	0.0	1.4	1.4	2.8	1.4
157.5°	0.0	1.4	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	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)