

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: P218064

Luminaire Tested: **4SNLED-LD5-26SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218064
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: 4SNLED-LD5-26SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2826.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

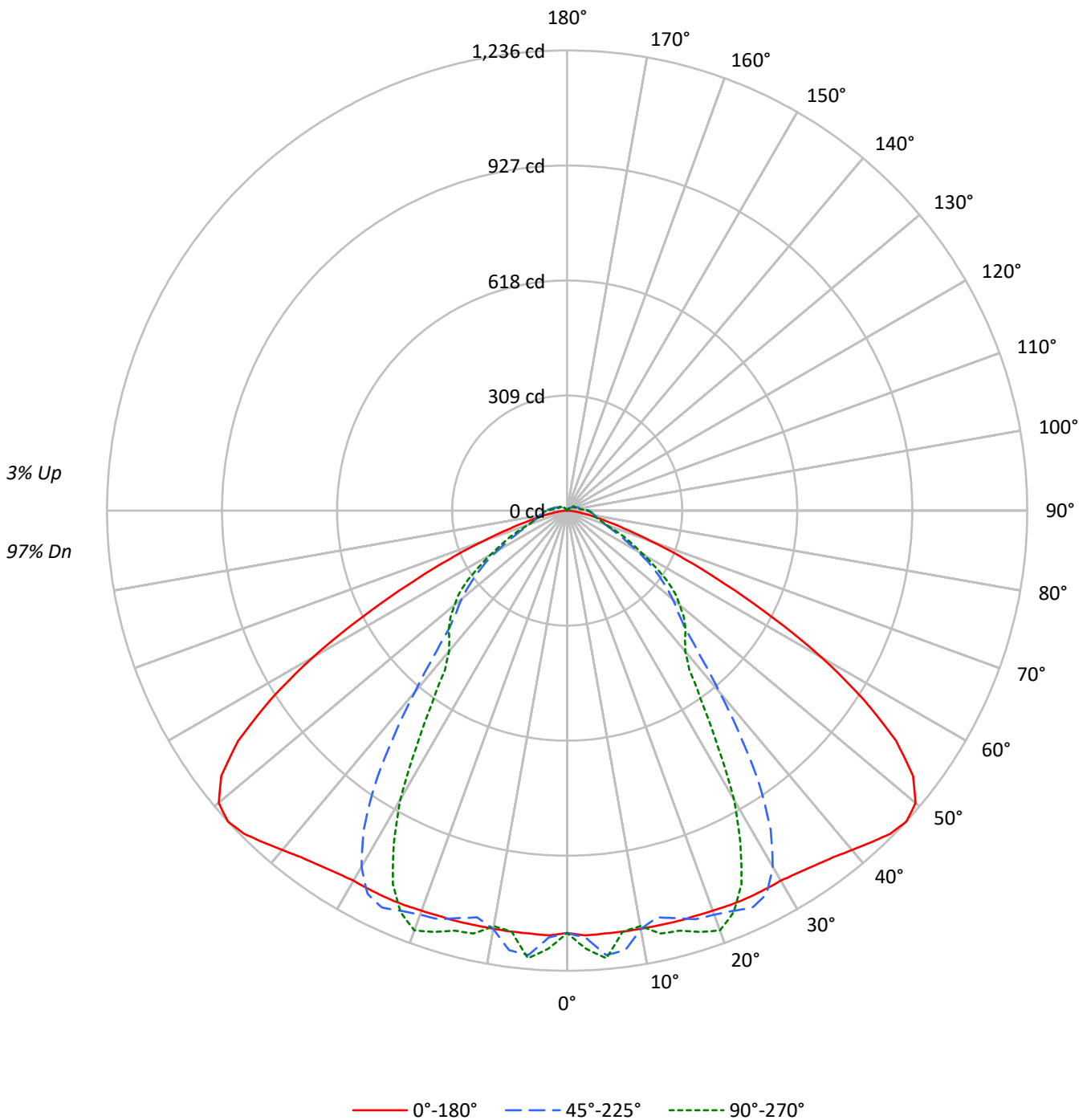
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	18286	18286	18286
5°	18382	18211	17954
10°	18526	16517	15765
15°	18840	15791	15367
20°	19315	15618	15084
25°	20018	15572	13426
30°	20854	14417	10573
35°	22214	11707	7326
40°	24178	8269	5638
45°	26847	5880	5123
50°	29170	4941	4513
55°	28591	4057	3764
60°	23722	3070	2813
65°	16392	2221	2069
70°	10203	1689	1418
75°	5764	1440	1122
80°	3256	1348	965
85°	1452	1305	968



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	3.9
10°-20°	328.5	11.6
20°-30°	522.0	18.5
30°-40°	562.9	19.9
40°-50°	485.1	17.2
50°-60°	367.3	13.0
60°-70°	198.4	7.0
70°-80°	94.2	3.3
80°-90°	59.2	2.1
90°-100°	37.7	1.3
100°-110°	24.1	0.9
110°-120°	16.1	0.6
120°-130°	10.6	0.4
130°-140°	5.2	0.2
140°-150°	2.2	0.1
150°-160°	0.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	962.1	34.0
0°-40°	1525.0	54.0
0°-60°	2377.4	84.1
0°-90°	2729.2	96.6
90°-120°	77.9	2.8
90°-150°	95.9	3.4
90°-180°	97.0	3.4
0°-180°	2826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1135	1135	1135	1135	1135	
5°	1141	1165	1198	1214	1207	109
15°	1142	1172	1133	1172	1168	324
25°	1148	1126	1177	1145	1107	531
35°	1162	1119	902	690	633	732
45°	1227	769	448	444	450	945
55°	1078	332	296	324	325	938
65°	468	142	150	169	171	481
75°	107	74	87	87	85	126
85°	12	45	66	66	65	17
90°	0	35	58	56	52	1
95°	0	28	46	42	39	0
105°	0	17	32	29	26	0
115°	0	10	22	22	22	0
125°	0	6	14	19	17	0
135°	0	3	9	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1134.8	1134.8	1134.8	1134.8	1134.8
2.5°	1142.0	1143.5	1147.8	1169.5	1178.2
5°	1140.6	1165.2	1198.4	1214.3	1207.1
7.5°	1140.6	1191.2	1191.2	1160.8	1140.6
10°	1140.6	1205.6	1140.6	1134.8	1133.4
12.5°	1140.6	1197.0	1118.9	1159.4	1163.7
15°	1142.0	1172.4	1133.4	1172.4	1168.0
17.5°	1142.0	1143.5	1150.7	1181.1	1186.8
20°	1143.5	1124.7	1155.0	1204.2	1199.8
22.5°	1146.4	1121.8	1163.7	1194.1	1168.0
25°	1147.8	1126.1	1176.7	1144.9	1107.3
27.5°	1147.8	1131.9	1160.8	1069.7	1007.6
30°	1147.8	1134.8	1104.4	965.7	896.3
32.5°	1153.6	1131.9	1017.7	829.8	754.6
35°	1162.3	1118.9	902.1	689.6	633.2
37.5°	1173.8	1084.2	766.2	576.8	539.2
40°	1189.7	1009.0	636.1	504.5	492.9
42.5°	1208.5	899.2	529.1	468.4	468.4
45°	1227.3	769.1	448.1	443.8	449.6
47.5°	1236.0	641.8	403.3	419.2	425.0
50°	1221.5	523.3	370.1	391.8	394.6
52.5°	1170.9	417.8	332.5	358.5	365.7
55°	1078.4	332.5	296.3	323.8	325.3
57.5°	944.0	264.5	258.8	280.4	279.0
60°	789.3	213.9	216.8	238.5	238.5
62.5°	623.1	173.5	182.1	200.9	199.5
65°	468.4	141.7	150.3	169.1	170.6
67.5°	345.5	117.1	127.2	140.2	137.3
70°	241.4	98.3	108.4	115.6	112.8
72.5°	160.5	83.8	95.4	98.3	96.9
75°	107.0	73.7	86.7	86.7	85.3
77.5°	69.4	65.1	81.0	79.5	76.6
80°	43.4	57.8	75.2	72.3	69.4
82.5°	26.0	50.6	70.8	67.9	65.1
85°	11.6	44.8	66.5	66.5	65.1
87.5°	4.3	40.5	62.2	63.6	60.7
90°	0.0	34.7	57.8	56.4	52.0
92.5°	0.0	31.8	52.0	47.7	44.8
95°	0.0	27.5	46.3	41.9	39.0
97.5°	0.0	24.6	41.9	37.6	34.7
100°	0.0	21.7	37.6	33.2	30.4
102.5°	0.0	18.8	34.7	30.4	28.9
105°	0.0	17.3	31.8	28.9	26.0
107.5°	0.0	15.9	28.9	26.0	24.6
110°	0.0	13.0	26.0	24.6	23.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.6	23.1	23.1	23.1
115°	0.0	10.1	21.7	21.7	21.7
117.5°	0.0	8.7	18.8	21.7	21.7
120°	0.0	8.7	17.3	20.2	20.2
122.5°	0.0	7.2	15.9	20.2	20.2
125°	0.0	5.8	14.5	18.8	17.3
127.5°	0.0	4.3	13.0	15.9	15.9
130°	0.0	4.3	11.6	14.5	13.0
132.5°	0.0	2.9	10.1	11.6	11.6
135°	0.0	2.9	8.7	10.1	10.1
137.5°	0.0	2.9	7.2	8.7	7.2
140°	0.0	1.4	5.8	7.2	5.8
142.5°	0.0	1.4	5.8	7.2	5.8
145°	0.0	1.4	4.3	5.8	4.3
147.5°	0.0	1.4	2.9	4.3	4.3
150°	0.0	1.4	2.9	4.3	2.9
152.5°	0.0	1.4	2.9	2.9	1.4
155°	0.0	1.4	1.4	2.9	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)