

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: P218186

Luminaire Tested: **4SNLED-LD5-26SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218186  
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: 4SNLED-LD5-26SL-LN-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3027.0 lumens  
Efficiency: N/A  
Efficacy: 156.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

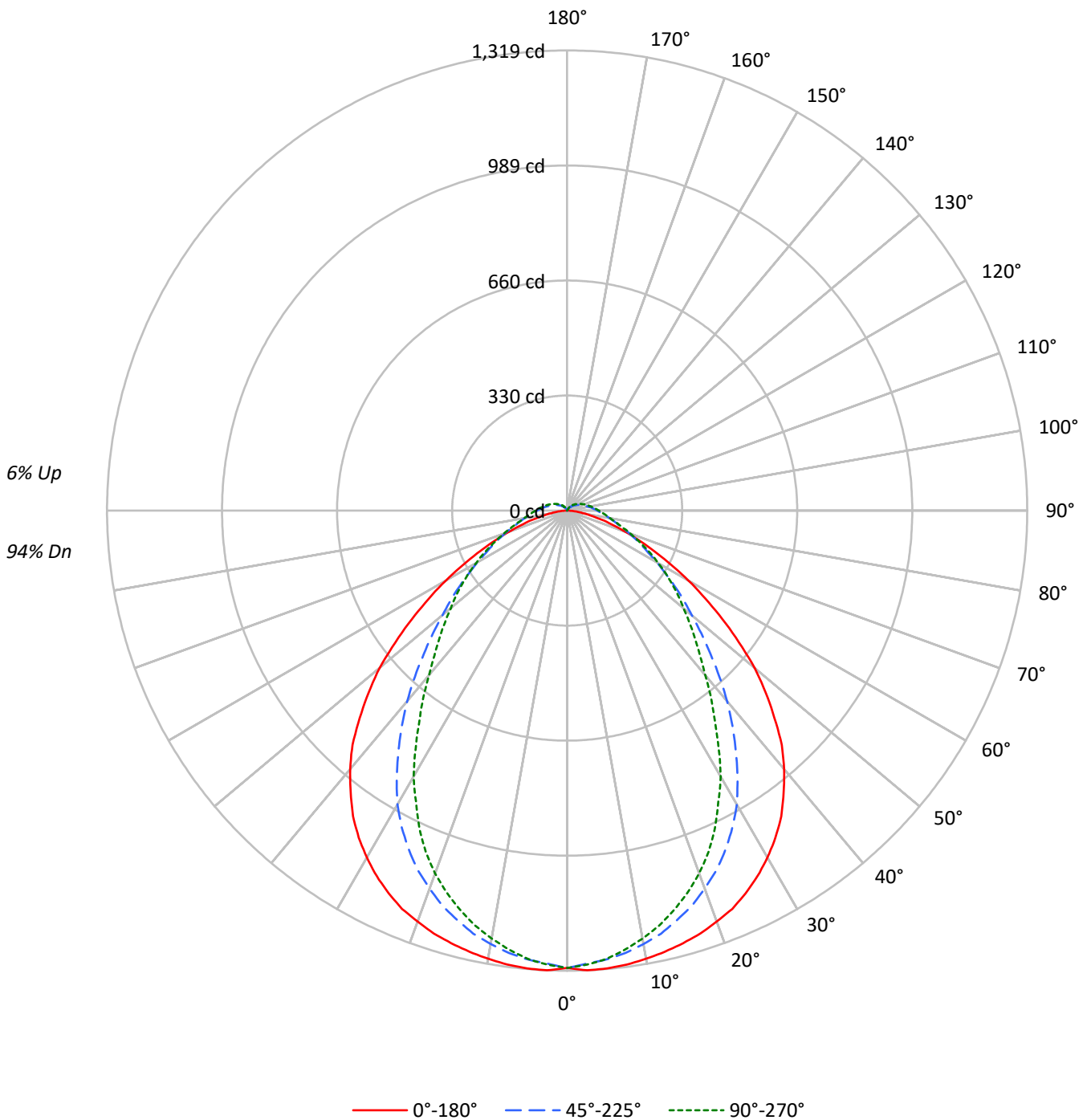
Input Watts (W): 19.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	21123	21123	21123
5°	21230	19630	19190
10°	21189	18268	17324
15°	21180	16930	15589
20°	21173	15591	13915
25°	21109	14204	12163
30°	20863	12699	10384
35°	20452	10948	8543
40°	19673	9267	7041
45°	18386	7617	5906
50°	16757	6217	4980
55°	14417	5131	4244
60°	12079	4200	3555
65°	9599	3488	2939
70°	7481	2932	2426
75°	5672	2489	2014
80°	3947	2201	1730
85°	2391	2004	1566



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.2	4.1
10°-20°	345.9	11.4
20°-30°	500.9	16.5
30°-40°	545.1	18.0
40°-50°	484.2	16.0
50°-60°	368.5	12.2
60°-70°	244.7	8.1
70°-80°	149.1	4.9
80°-90°	92.4	3.1
90°-100°	63.1	2.1
100°-110°	44.3	1.5
110°-120°	30.2	1.0
120°-130°	19.1	0.6
130°-140°	10.9	0.4
140°-150°	5.1	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	970.0	32.0
0°-40°	1515.1	50.1
0°-60°	2367.8	78.2
0°-90°	2854.0	94.3
90°-120°	137.5	4.5
90°-150°	172.7	5.7
90°-180°	173.0	5.7
0°-180°	3027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1317	1309	1292	1298	1290	125
15°	1284	1262	1215	1201	1185	363
25°	1210	1156	1073	1030	1003	557
35°	1070	974	844	770	738	667
45°	840	714	580	531	518	647
55°	544	442	375	368	367	488
65°	274	236	236	246	242	277
75°	105	120	150	158	153	114
85°	19	61	102	108	105	23
90°	0	45	86	94	91	1
95°	0	35	73	81	80	0
105°	0	22	53	61	61	0
115°	0	14	38	46	45	0
125°	0	10	26	32	32	0
135°	0	6	18	22	22	0
145°	0	3	10	13	13	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°	1310.9	1310.9	1310.9	1310.9	1310.9
2.5°	1318.9	1312.5	1299.8	1307.7	1302.9
5°	1317.3	1309.3	1291.8	1298.2	1290.2
7.5°	1312.5	1302.9	1279.0	1282.2	1269.5
10°	1304.5	1291.8	1261.5	1258.3	1245.5
12.5°	1295.0	1279.0	1242.3	1231.2	1218.4
15°	1283.8	1261.5	1215.2	1200.9	1184.9
17.5°	1271.1	1240.7	1188.1	1165.8	1148.3
20°	1253.5	1216.8	1153.0	1125.9	1106.8
22.5°	1236.0	1188.1	1116.4	1079.7	1058.9
25°	1210.4	1156.2	1073.3	1030.2	1003.1
27.5°	1181.7	1119.5	1025.5	969.6	939.3
30°	1148.3	1076.5	972.8	907.4	880.3
32.5°	1111.6	1028.6	909.0	838.9	808.6
35°	1070.1	974.4	843.6	770.3	738.4
37.5°	1019.1	915.4	778.3	703.3	677.8
40°	968.0	853.2	712.9	642.7	615.6
42.5°	910.6	784.6	645.9	582.1	563.0
45°	840.5	714.5	580.5	531.1	518.3
47.5°	771.9	642.7	521.5	486.4	475.2
50°	701.7	572.5	465.7	443.4	435.4
52.5°	620.4	504.0	419.4	405.1	401.9
55°	543.8	441.8	374.8	368.4	366.8
57.5°	470.5	382.8	333.3	338.1	334.9
60°	401.9	328.5	296.6	303.0	301.4
62.5°	334.9	279.1	263.1	275.9	272.7
65°	274.3	236.0	236.0	245.6	242.4
67.5°	221.7	200.9	210.5	220.1	216.9
70°	177.0	169.0	188.2	196.2	193.0
72.5°	137.2	141.9	165.9	175.4	170.6
75°	105.3	119.6	149.9	157.9	153.1
77.5°	75.0	100.5	135.6	141.9	137.2
80°	52.6	84.5	122.8	129.2	124.4
82.5°	33.5	71.8	111.6	118.0	114.8
85°	19.1	60.6	102.1	108.4	105.3
87.5°	9.6	52.6	92.5	100.5	97.3
90°	0.0	44.7	86.1	94.1	90.9
92.5°	0.0	39.9	79.7	87.7	84.5
95°	0.0	35.1	73.4	81.3	79.7
97.5°	0.0	31.9	68.6	76.6	73.4
100°	0.0	27.1	62.2	70.2	68.6
102.5°	0.0	25.5	57.4	65.4	63.8
105°	0.0	22.3	52.6	60.6	60.6
107.5°	0.0	20.7	49.4	57.4	55.8
110°	0.0	17.5	44.7	52.6	52.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.9	41.5	49.4	47.8
115°	0.0	14.4	38.3	46.2	44.7
117.5°	0.0	14.4	35.1	41.5	41.5
120°	0.0	12.8	31.9	38.3	38.3
122.5°	0.0	11.2	28.7	35.1	35.1
125°	0.0	9.6	25.5	31.9	31.9
127.5°	0.0	9.6	23.9	30.3	30.3
130°	0.0	8.0	20.7	27.1	27.1
132.5°	0.0	6.4	19.1	23.9	23.9
135°	0.0	6.4	17.5	22.3	22.3
137.5°	0.0	4.8	14.4	19.1	19.1
140°	0.0	4.8	12.8	17.5	17.5
142.5°	0.0	3.2	11.2	15.9	14.4
145°	0.0	3.2	9.6	12.8	12.8
147.5°	0.0	1.6	8.0	11.2	11.2
150°	0.0	1.6	6.4	9.6	8.0
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)