

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: P218170

Luminaire Tested: **2SNLED-LD5-26SL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218170  
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-LD5-26SL-LN-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2891.0 lumens  
Efficiency: N/A  
Efficacy: 143.8 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

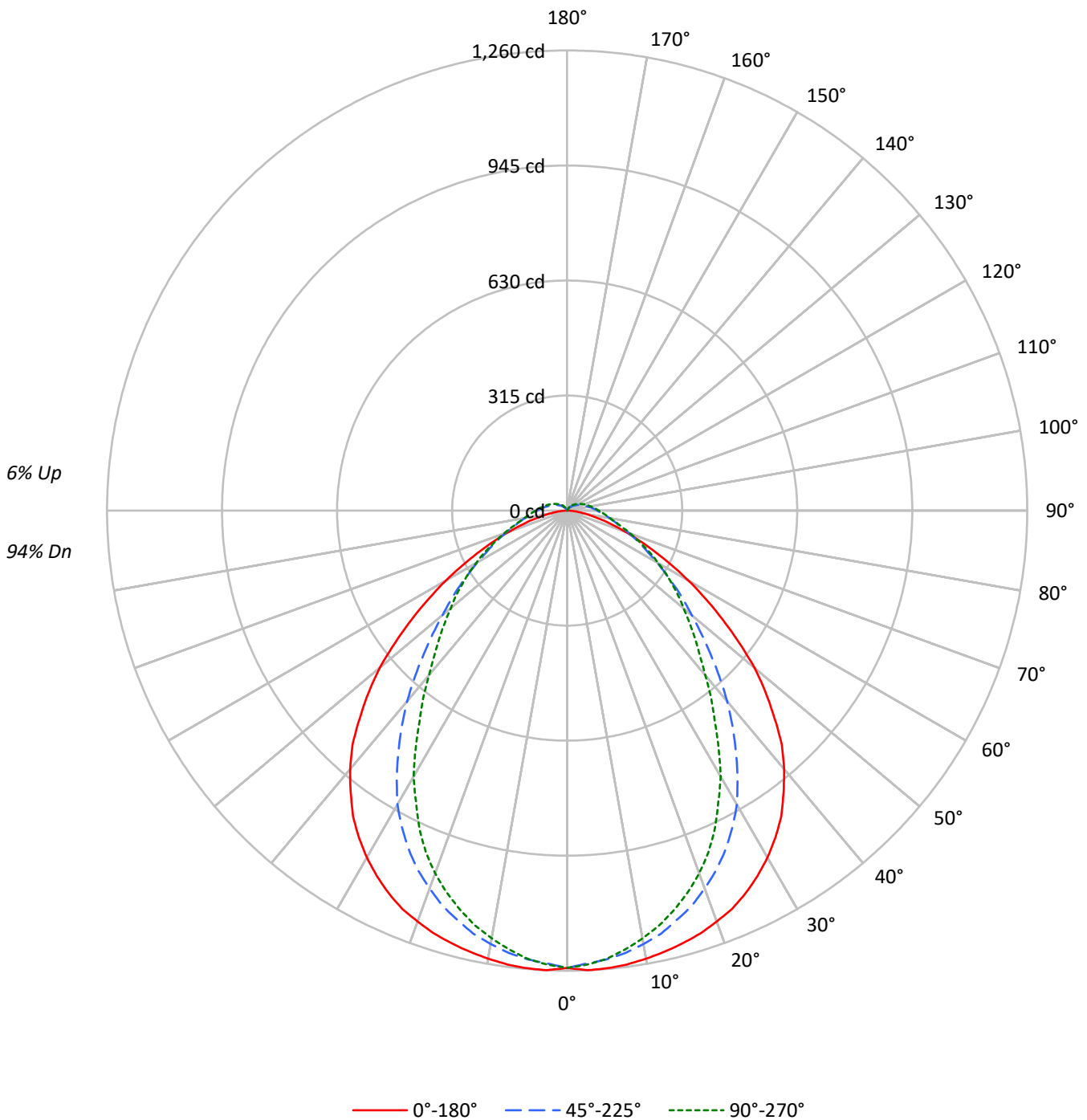
Input Watts (W): 20.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	40349	40349	40349
5°	40405	37404	36655
10°	40180	34734	33094
15°	40013	32127	29779
20°	39848	29531	26580
25°	39569	26857	23235
30°	38934	23971	19836
35°	37987	20631	16318
40°	36347	17433	13448
45°	33765	14307	11280
50°	30561	11657	9512
55°	26074	9602	8106
60°	21612	7847	6792
65°	16945	6503	5614
70°	12960	5453	4634
75°	9541	4620	3847
80°	6335	4073	3305
85°	3462	3695	2990



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	4.1
10°-20°	330.3	11.4
20°-30°	478.4	16.5
30°-40°	520.6	18.0
40°-50°	462.4	16.0
50°-60°	352.0	12.2
60°-70°	233.7	8.1
70°-80°	142.4	4.9
80°-90°	88.2	3.1
90°-100°	60.3	2.1
100°-110°	42.3	1.5
110°-120°	28.8	1.0
120°-130°	18.3	0.6
130°-140°	10.4	0.4
140°-150°	4.9	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	926.4	32.0
0°-40°	1447.1	50.1
0°-60°	2261.4	78.2
0°-90°	2725.7	94.3
90°-120°	131.4	4.5
90°-150°	164.9	5.7
90°-180°	165.0	5.7
0°-180°	2891.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1258	1250	1234	1240	1232	120
15°	1226	1205	1161	1147	1132	346
25°	1156	1104	1025	984	958	532
35°	1022	931	806	736	705	637
45°	803	682	554	507	495	618
55°	519	422	358	352	350	466
65°	262	225	225	235	232	264
75°	100	114	143	151	146	109
85°	18	58	98	104	100	22
90°	0	43	82	90	87	1
95°	0	34	70	78	76	0
105°	0	21	50	58	58	0
115°	0	14	37	44	43	0
125°	0	9	24	30	30	0
135°	0	6	17	21	21	0
145°	0	3	9	12	12	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°	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1259.6	1253.5	1241.4	1249.0	1244.4
5°	1258.1	1250.5	1233.7	1239.8	1232.2
7.5°	1253.5	1244.4	1221.6	1224.6	1212.4
10°	1245.9	1233.7	1204.8	1201.8	1189.6
12.5°	1236.8	1221.6	1186.5	1175.9	1163.7
15°	1226.1	1204.8	1160.6	1146.9	1131.7
17.5°	1213.9	1185.0	1134.7	1113.4	1096.7
20°	1197.2	1162.2	1101.2	1075.3	1057.1
22.5°	1180.4	1134.7	1066.2	1031.2	1011.4
25°	1156.1	1104.3	1025.1	983.9	958.1
27.5°	1128.6	1069.2	979.4	926.1	897.1
30°	1096.7	1028.1	929.1	866.7	840.8
32.5°	1061.6	982.4	868.2	801.2	772.2
35°	1022.0	930.6	805.7	735.7	705.2
37.5°	973.3	874.3	743.3	671.7	647.3
40°	924.5	814.9	680.8	613.8	587.9
42.5°	869.7	749.4	616.9	555.9	537.7
45°	802.7	682.4	554.4	507.2	495.0
47.5°	737.2	613.8	498.1	464.6	453.9
50°	670.2	546.8	444.8	423.4	415.8
52.5°	592.5	481.3	400.6	386.9	383.8
55°	519.4	421.9	357.9	351.8	350.3
57.5°	449.3	365.6	318.3	322.9	319.9
60°	383.8	313.8	283.3	289.4	287.9
62.5°	319.9	266.5	251.3	263.5	260.5
65°	262.0	225.4	225.4	234.6	231.5
67.5°	211.7	191.9	201.1	210.2	207.1
70°	169.1	161.5	179.7	187.3	184.3
72.5°	131.0	135.6	158.4	167.5	163.0
75°	100.5	114.2	143.2	150.8	146.2
77.5°	71.6	96.0	129.5	135.6	131.0
80°	50.3	80.7	117.3	123.4	118.8
82.5°	32.0	68.5	106.6	112.7	109.7
85°	18.3	57.9	97.5	103.6	100.5
87.5°	9.1	50.3	88.3	96.0	92.9
90°	0.0	42.6	82.2	89.9	86.8
92.5°	0.0	38.1	76.2	83.8	80.7
95°	0.0	33.5	70.1	77.7	76.2
97.5°	0.0	30.5	65.5	73.1	70.1
100°	0.0	25.9	59.4	67.0	65.5
102.5°	0.0	24.4	54.8	62.4	60.9
105°	0.0	21.3	50.3	57.9	57.9
107.5°	0.0	19.8	47.2	54.8	53.3
110°	0.0	16.8	42.6	50.3	50.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.2	39.6	47.2	45.7
115°	0.0	13.7	36.6	44.2	42.6
117.5°	0.0	13.7	33.5	39.6	39.6
120°	0.0	12.2	30.5	36.6	36.6
122.5°	0.0	10.7	27.4	33.5	33.5
125°	0.0	9.1	24.4	30.5	30.5
127.5°	0.0	9.1	22.8	28.9	28.9
130°	0.0	7.6	19.8	25.9	25.9
132.5°	0.0	6.1	18.3	22.8	22.8
135°	0.0	6.1	16.8	21.3	21.3
137.5°	0.0	4.6	13.7	18.3	18.3
140°	0.0	4.6	12.2	16.8	16.8
142.5°	0.0	3.0	10.7	15.2	13.7
145°	0.0	3.0	9.1	12.2	12.2
147.5°	0.0	1.5	7.6	10.7	10.7
150°	0.0	1.5	6.1	9.1	7.6
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)