

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: P218063

Luminaire Tested: **4SNLED-LD5-26SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218063  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2660.0 lumens  
Efficiency: N/A  
Efficacy: 137.8 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

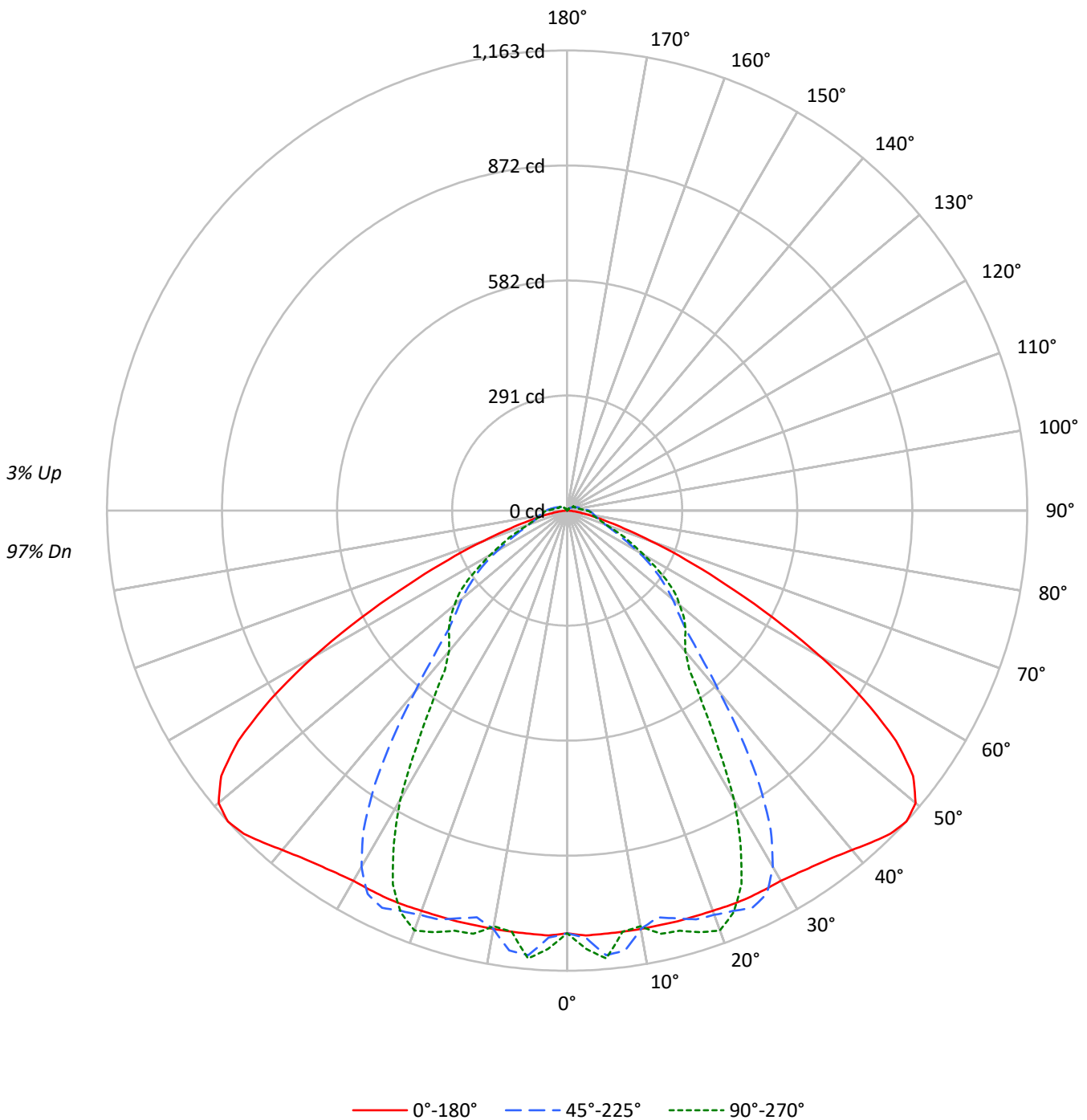
Input Watts (W): 19.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	17211	17211	17211
5°	17302	17141	16900
10°	17438	15547	14839
15°	17733	14863	14465
20°	18180	14701	14199
25°	18842	14658	12638
30°	19629	13571	9951
35°	20909	11019	6896
40°	22758	7783	5307
45°	25270	5535	4822
50°	27457	4650	4249
55°	26913	3818	3543
60°	22327	2890	2648
65°	15429	2091	1947
70°	9603	1591	1334
75°	5424	1355	1056
80°	3061	1269	908
85°	1364	1229	910



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	3.9
10°-20°	309.2	11.6
20°-30°	491.4	18.5
30°-40°	529.8	19.9
40°-50°	456.6	17.2
50°-60°	345.7	13.0
60°-70°	186.8	7.0
70°-80°	88.7	3.3
80°-90°	55.7	2.1
90°-100°	35.4	1.3
100°-110°	22.7	0.9
110°-120°	15.2	0.6
120°-130°	10.0	0.4
130°-140°	4.9	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°	905.6	34.0
0°-40°	1435.4	54.0
0°-60°	2237.7	84.1
0°-90°	2568.9	96.6
90°-120°	73.3	2.8
90°-150°	90.3	3.4
90°-180°	91.0	3.4
0°-180°	2660.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1068	1068	1068	1068	1068	
5°	1074	1097	1128	1143	1136	102
15°	1075	1104	1067	1104	1099	305
25°	1080	1060	1108	1078	1042	500
35°	1094	1053	849	649	596	689
45°	1155	724	422	418	423	889
55°	1015	313	279	305	306	883
65°	441	133	142	159	161	453
75°	101	69	82	82	80	119
85°	11	42	63	63	61	16
90°	0	33	54	53	49	1
95°	0	26	44	40	37	0
105°	0	16	30	27	24	0
115°	0	10	20	20	20	0
125°	0	5	14	18	16	0
135°	0	3	8	10	10	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°	1068.1	1068.1	1068.1	1068.1	1068.1
2.5°	1074.9	1076.3	1080.4	1100.8	1109.0
5°	1073.6	1096.7	1128.0	1143.0	1136.2
7.5°	1073.6	1121.2	1121.2	1092.6	1073.6
10°	1073.6	1134.8	1073.6	1068.1	1066.8
12.5°	1073.6	1126.6	1053.2	1091.3	1095.4
15°	1074.9	1103.5	1066.8	1103.5	1099.4
17.5°	1074.9	1076.3	1083.1	1111.7	1117.1
20°	1076.3	1058.6	1087.2	1133.5	1129.4
22.5°	1079.0	1055.9	1095.4	1123.9	1099.4
25°	1080.4	1060.0	1107.6	1077.7	1042.3
27.5°	1080.4	1065.4	1092.6	1006.9	948.4
30°	1080.4	1068.1	1039.6	908.9	843.6
32.5°	1085.8	1065.4	957.9	781.0	710.3
35°	1094.0	1053.2	849.1	649.0	596.0
37.5°	1104.9	1020.5	721.2	542.9	507.5
40°	1119.8	949.8	598.7	474.9	464.0
42.5°	1137.5	846.3	498.0	440.9	440.9
45°	1155.2	723.9	421.8	417.7	423.2
47.5°	1163.4	604.1	379.6	394.6	400.0
50°	1149.8	492.6	348.3	368.7	371.5
52.5°	1102.2	393.2	313.0	337.4	344.3
55°	1015.1	313.0	278.9	304.8	306.2
57.5°	888.5	249.0	243.6	264.0	262.6
60°	742.9	201.4	204.1	224.5	224.5
62.5°	586.5	163.3	171.4	189.1	187.8
65°	440.9	133.3	141.5	159.2	160.6
67.5°	325.2	110.2	119.7	132.0	129.3
70°	227.2	92.5	102.1	108.9	106.1
72.5°	151.0	78.9	89.8	92.5	91.2
75°	100.7	69.4	81.6	81.6	80.3
77.5°	65.3	61.2	76.2	74.8	72.1
80°	40.8	54.4	70.8	68.0	65.3
82.5°	24.5	47.6	66.7	64.0	61.2
85°	10.9	42.2	62.6	62.6	61.2
87.5°	4.1	38.1	58.5	59.9	57.1
90°	0.0	32.7	54.4	53.1	49.0
92.5°	0.0	29.9	49.0	44.9	42.2
95°	0.0	25.9	43.5	39.5	36.7
97.5°	0.0	23.1	39.5	35.4	32.7
100°	0.0	20.4	35.4	31.3	28.6
102.5°	0.0	17.7	32.7	28.6	27.2
105°	0.0	16.3	29.9	27.2	24.5
107.5°	0.0	15.0	27.2	24.5	23.1
110°	0.0	12.2	24.5	23.1	21.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.9	21.8	21.8	21.8
115°	0.0	9.5	20.4	20.4	20.4
117.5°	0.0	8.2	17.7	20.4	20.4
120°	0.0	8.2	16.3	19.0	19.0
122.5°	0.0	6.8	15.0	19.0	19.0
125°	0.0	5.4	13.6	17.7	16.3
127.5°	0.0	4.1	12.2	15.0	15.0
130°	0.0	4.1	10.9	13.6	12.2
132.5°	0.0	2.7	9.5	10.9	10.9
135°	0.0	2.7	8.2	9.5	9.5
137.5°	0.0	2.7	6.8	8.2	6.8
140°	0.0	1.4	5.4	6.8	5.4
142.5°	0.0	1.4	5.4	6.8	5.4
145°	0.0	1.4	4.1	5.4	4.1
147.5°	0.0	1.4	2.7	4.1	4.1
150°	0.0	1.4	2.7	4.1	2.7
152.5°	0.0	1.4	2.7	2.7	1.4
155°	0.0	1.4	1.4	2.7	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)