

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: P218066

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218066
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3118.0 lumens
Efficiency: N/A
Efficacy: 161.6 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

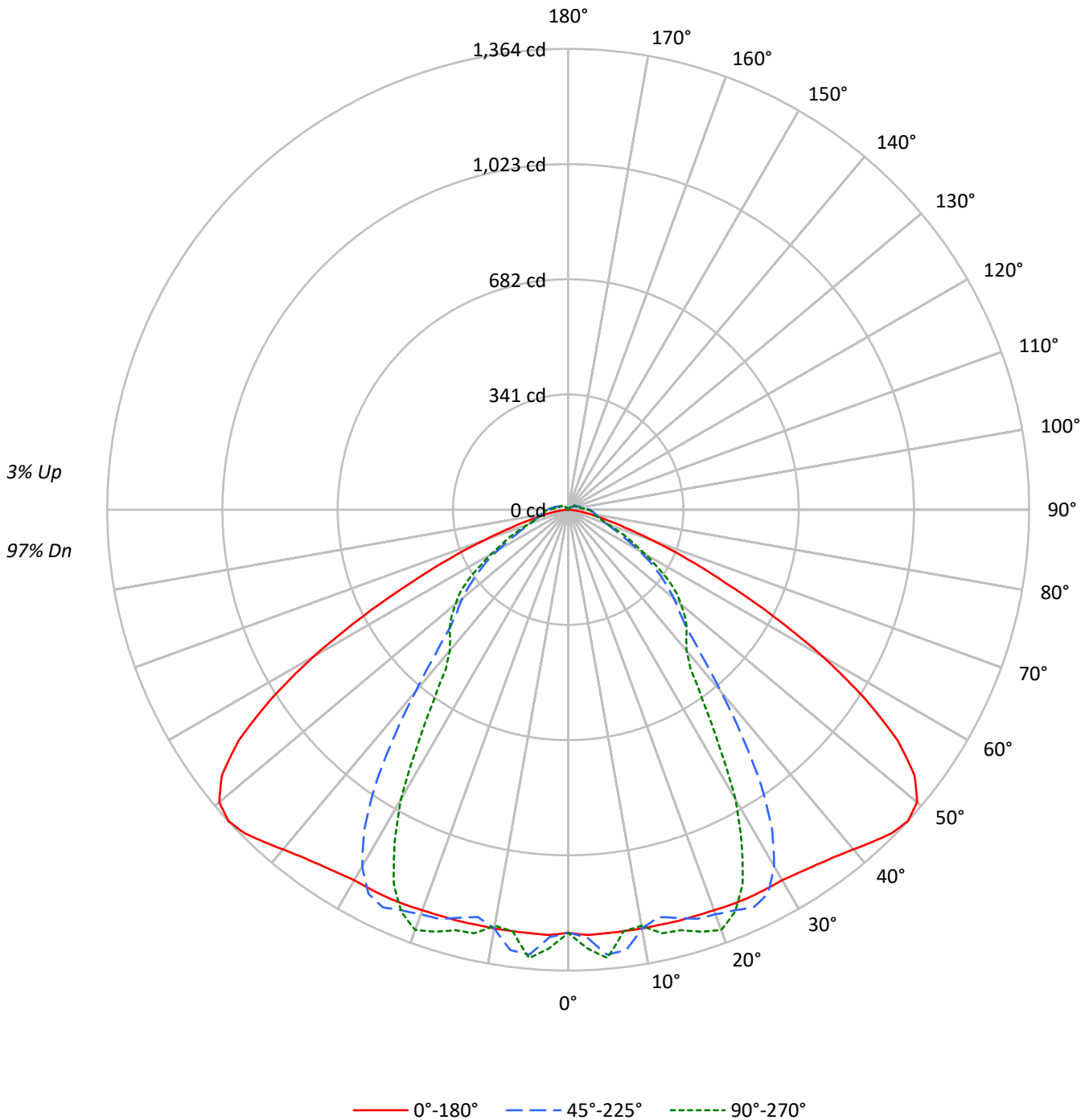
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	99	99	99	97		
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	85	85	85	85	85	85	83		
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	74	74	74	74	74	74	72		
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	64	64	64	64	64	64	62		
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	56	56	56	56	56	56	54		
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	50	50	50	50	50	50	48		
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	45	45	45	45	45	45	43		
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	40	40	40	40	40	40	38		
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	36	36	36	36	36	36	34		
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	33	33	33	33	33	33	31		
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	30	30	30	30	30	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20176	20176	20176
5°	20281	20092	19809
10°	20440	18223	17394
15°	20787	17422	16955
20°	21310	17233	16643
25°	22086	17181	14813
30°	23009	15908	11665
35°	24510	12916	8083
40°	26678	9123	6221
45°	29621	6488	5651
50°	32183	5451	4980
55°	31545	4477	4152
60°	26174	3387	3105
65°	18085	2452	2282
70°	11259	1863	1564
75°	6356	1589	1238
80°	3586	1486	1065
85°	1602	1441	1068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.9
10°-20°	362.5	11.6
20°-30°	576.0	18.5
30°-40°	621.0	19.9
40°-50°	535.3	17.2
50°-60°	405.2	13.0
60°-70°	218.9	7.0
70°-80°	104.0	3.3
80°-90°	65.3	2.1
90°-100°	41.5	1.3
100°-110°	26.6	0.9
110°-120°	17.8	0.6
120°-130°	11.7	0.4
130°-140°	5.8	0.2
140°-150°	2.5	0.1
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1061.5	34.0
0°-40°	1682.5	54.0
0°-60°	2623.0	84.1
0°-90°	3011.2	96.6
90°-120°	85.9	2.8
90°-150°	105.9	3.4
90°-180°	107.0	3.4
0°-180°	3118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1258	1286	1322	1340	1332	120
15°	1260	1294	1250	1294	1289	357
25°	1266	1242	1298	1263	1222	586
35°	1282	1234	995	761	699	808
45°	1354	848	494	490	496	1042
55°	1190	367	327	357	359	1035
65°	517	156	166	187	188	531
75°	118	81	96	96	94	139
85°	13	49	73	73	72	18
90°	0	38	64	62	57	1
95°	0	30	51	46	43	0
105°	0	19	35	32	29	0
115°	0	11	24	24	24	0
125°	0	6	16	21	19	0
135°	0	3	10	11	11	0
145°	0	2	5	6	5	0
155°	0	2	2	3	2	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°	1252.1	1252.1	1252.1	1252.1	1252.1
2.5°	1260.0	1261.6	1266.4	1290.3	1299.9
5°	1258.4	1285.5	1322.2	1339.8	1331.8
7.5°	1258.4	1314.3	1314.3	1280.8	1258.4
10°	1258.4	1330.2	1258.4	1252.1	1250.5
12.5°	1258.4	1320.6	1234.5	1279.2	1283.9
15°	1260.0	1293.5	1250.5	1293.5	1288.7
17.5°	1260.0	1261.6	1269.6	1303.1	1309.5
20°	1261.6	1240.9	1274.4	1328.6	1323.8
22.5°	1264.8	1237.7	1283.9	1317.4	1288.7
25°	1266.4	1242.5	1298.3	1263.2	1221.7
27.5°	1266.4	1248.9	1280.8	1180.3	1111.7
30°	1266.4	1252.1	1218.6	1065.4	988.9
32.5°	1272.8	1248.9	1122.9	915.5	832.6
35°	1282.4	1234.5	995.3	760.8	698.6
37.5°	1295.1	1196.2	845.3	636.4	594.9
40°	1312.7	1113.3	701.8	556.6	543.9
42.5°	1333.4	992.1	583.8	516.8	516.8
45°	1354.1	848.5	494.4	489.7	496.0
47.5°	1363.7	708.2	445.0	462.5	468.9
50°	1347.7	577.4	408.3	432.2	435.4
52.5°	1291.9	460.9	366.8	395.6	403.5
55°	1189.8	366.8	327.0	357.3	358.9
57.5°	1041.5	291.9	285.5	309.4	307.8
60°	870.9	236.1	239.2	263.2	263.2
62.5°	687.4	191.4	201.0	221.7	220.1
65°	516.8	156.3	165.9	186.6	188.2
67.5°	381.2	129.2	140.4	154.7	151.5
70°	266.4	108.5	119.6	127.6	124.4
72.5°	177.0	92.5	105.3	108.5	106.9
75°	118.0	81.3	95.7	95.7	94.1
77.5°	76.6	71.8	89.3	87.7	84.5
80°	47.8	63.8	82.9	79.7	76.6
82.5°	28.7	55.8	78.2	75.0	71.8
85°	12.8	49.4	73.4	73.4	71.8
87.5°	4.8	44.7	68.6	70.2	67.0
90°	0.0	38.3	63.8	62.2	57.4
92.5°	0.0	35.1	57.4	52.6	49.4
95°	0.0	30.3	51.0	46.3	43.1
97.5°	0.0	27.1	46.3	41.5	38.3
100°	0.0	23.9	41.5	36.7	33.5
102.5°	0.0	20.7	38.3	33.5	31.9
105°	0.0	19.1	35.1	31.9	28.7
107.5°	0.0	17.5	31.9	28.7	27.1
110°	0.0	14.4	28.7	27.1	25.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.8	25.5	25.5	25.5
115°	0.0	11.2	23.9	23.9	23.9
117.5°	0.0	9.6	20.7	23.9	23.9
120°	0.0	9.6	19.1	22.3	22.3
122.5°	0.0	8.0	17.5	22.3	22.3
125°	0.0	6.4	15.9	20.7	19.1
127.5°	0.0	4.8	14.4	17.5	17.5
130°	0.0	4.8	12.8	15.9	14.4
132.5°	0.0	3.2	11.2	12.8	12.8
135°	0.0	3.2	9.6	11.2	11.2
137.5°	0.0	3.2	8.0	9.6	8.0
140°	0.0	1.6	6.4	8.0	6.4
142.5°	0.0	1.6	6.4	8.0	6.4
145°	0.0	1.6	4.8	6.4	4.8
147.5°	0.0	1.6	3.2	4.8	4.8
150°	0.0	1.6	3.2	4.8	3.2
152.5°	0.0	1.6	3.2	3.2	1.6
155°	0.0	1.6	1.6	3.2	1.6
157.5°	0.0	1.6	1.6	1.6	1.6
160°	1.6	1.6	1.6	1.6	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)