

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: P218068

Luminaire Tested: **4SNLED-LD5-30SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218068
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-LD5-30SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3199.0 lumens
Efficiency: N/A
Efficacy: 144.8 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

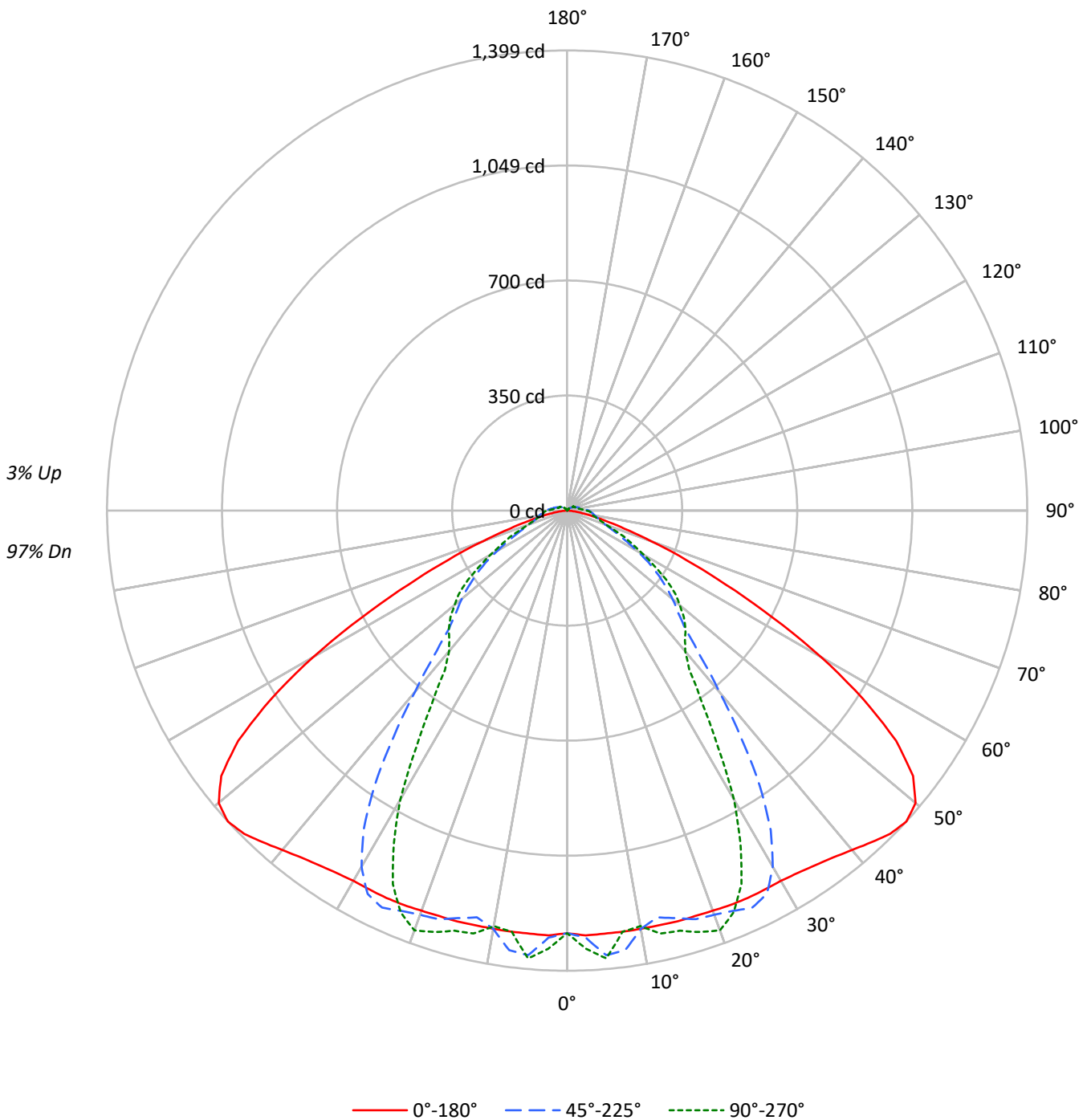
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20700	20700	20700
5°	20808	20615	20324
10°	20971	18697	17845
15°	21328	17874	17396
20°	21864	17680	17075
25°	22660	17627	15199
30°	23606	16321	11968
35°	25146	13251	8292
40°	27371	9360	6382
45°	30391	6657	5798
50°	33022	5592	5109
55°	32366	4593	4260
60°	26853	3476	3185
65°	18554	2516	2341
70°	11551	1912	1604
75°	6523	1631	1270
80°	3684	1525	1092
85°	1640	1478	1095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	3.9
10°-20°	371.9	11.6
20°-30°	590.9	18.5
30°-40°	637.2	19.9
40°-50°	549.2	17.2
50°-60°	415.8	13.0
60°-70°	224.6	7.0
70°-80°	106.7	3.3
80°-90°	67.0	2.1
90°-100°	42.6	1.3
100°-110°	27.3	0.9
110°-120°	18.2	0.6
120°-130°	12.0	0.4
130°-140°	5.9	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°	1089.1	34.0
0°-40°	1726.2	54.0
0°-60°	2691.2	84.1
0°-90°	3089.4	96.6
90°-120°	88.1	2.8
90°-150°	108.6	3.4
90°-180°	110.0	3.4
0°-180°	3199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1285	1285	1285	1285	1285	
5°	1291	1319	1357	1375	1366	123
15°	1293	1327	1283	1327	1322	366
25°	1299	1275	1332	1296	1254	601
35°	1316	1267	1021	781	717	829
45°	1389	871	507	502	509	1069
55°	1221	376	336	367	368	1062
65°	530	160	170	192	193	544
75°	121	84	98	98	96	143
85°	13	51	75	75	74	19
90°	0	39	66	64	59	1
95°	0	31	52	48	44	0
105°	0	20	36	33	30	0
115°	0	12	24	24	24	0
125°	0	6	16	21	20	0
135°	0	3	10	12	12	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°	1284.6	1284.6	1284.6	1284.6	1284.6
2.5°	1292.8	1294.4	1299.3	1323.9	1333.7
5°	1291.1	1318.9	1356.6	1374.6	1366.4
7.5°	1291.1	1348.4	1348.4	1314.0	1291.1
10°	1291.1	1364.8	1291.1	1284.6	1282.9
12.5°	1291.1	1354.9	1266.6	1312.4	1317.3
15°	1292.8	1327.1	1282.9	1327.1	1322.2
17.5°	1292.8	1294.4	1302.6	1336.9	1343.5
20°	1294.4	1273.1	1307.5	1363.1	1358.2
22.5°	1297.7	1269.8	1317.3	1351.7	1322.2
25°	1299.3	1274.8	1332.0	1296.0	1253.5
27.5°	1299.3	1281.3	1314.0	1210.9	1140.6
30°	1299.3	1284.6	1250.2	1093.1	1014.6
32.5°	1305.8	1281.3	1152.0	939.3	854.2
35°	1315.7	1266.6	1021.1	780.6	716.7
37.5°	1328.8	1227.3	867.3	652.9	610.4
40°	1346.8	1142.2	720.0	571.1	558.0
42.5°	1368.0	1017.8	598.9	530.2	530.2
45°	1389.3	870.6	507.3	502.4	508.9
47.5°	1399.1	726.6	456.6	474.6	481.1
50°	1382.8	592.4	418.9	443.5	446.7
52.5°	1325.5	472.9	376.4	405.8	414.0
55°	1220.8	376.4	335.5	366.6	368.2
57.5°	1068.6	299.5	292.9	317.5	315.8
60°	893.5	242.2	245.5	270.0	270.0
62.5°	705.3	196.4	206.2	227.5	225.8
65°	530.2	160.4	170.2	191.5	193.1
67.5°	391.1	132.5	144.0	158.7	155.5
70°	273.3	111.3	122.7	130.9	127.6
72.5°	181.6	94.9	108.0	111.3	109.6
75°	121.1	83.5	98.2	98.2	96.5
77.5°	78.5	73.6	91.6	90.0	86.7
80°	49.1	65.5	85.1	81.8	78.5
82.5°	29.5	57.3	80.2	76.9	73.6
85°	13.1	50.7	75.3	75.3	73.6
87.5°	4.9	45.8	70.4	72.0	68.7
90°	0.0	39.3	65.5	63.8	58.9
92.5°	0.0	36.0	58.9	54.0	50.7
95°	0.0	31.1	52.4	47.5	44.2
97.5°	0.0	27.8	47.5	42.5	39.3
100°	0.0	24.5	42.5	37.6	34.4
102.5°	0.0	21.3	39.3	34.4	32.7
105°	0.0	19.6	36.0	32.7	29.5
107.5°	0.0	18.0	32.7	29.5	27.8
110°	0.0	14.7	29.5	27.8	26.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.1	26.2	26.2	26.2
115°	0.0	11.5	24.5	24.5	24.5
117.5°	0.0	9.8	21.3	24.5	24.5
120°	0.0	9.8	19.6	22.9	22.9
122.5°	0.0	8.2	18.0	22.9	22.9
125°	0.0	6.5	16.4	21.3	19.6
127.5°	0.0	4.9	14.7	18.0	18.0
130°	0.0	4.9	13.1	16.4	14.7
132.5°	0.0	3.3	11.5	13.1	13.1
135°	0.0	3.3	9.8	11.5	11.5
137.5°	0.0	3.3	8.2	9.8	8.2
140°	0.0	1.6	6.5	8.2	6.5
142.5°	0.0	1.6	6.5	8.2	6.5
145°	0.0	1.6	4.9	6.5	4.9
147.5°	0.0	1.6	3.3	4.9	4.9
150°	0.0	1.6	3.3	4.9	3.3
152.5°	0.0	1.6	3.3	3.3	1.6
155°	0.0	1.6	1.6	3.3	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)