

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: P218070

Luminaire Tested: **4SNLED-LD5-30SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218070
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3530.0 lumens
Efficiency: N/A
Efficacy: 159.7 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

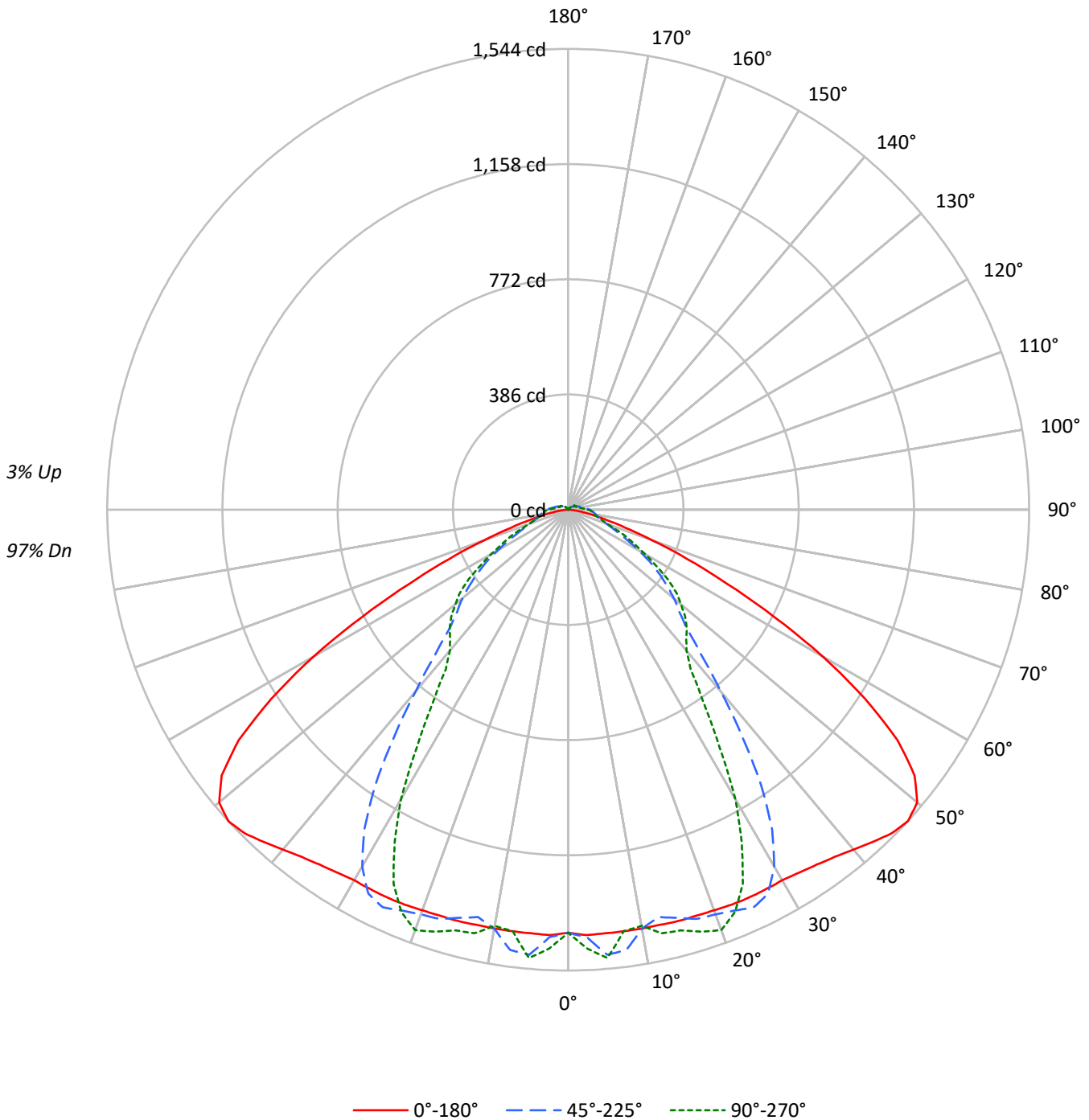
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	57	65	60	57	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°	22841	22841	22841
5°	22961	22747	22427
10°	23141	20631	19692
15°	23534	19724	19196
20°	24126	19510	18842
25°	25004	19452	16772
30°	26048	18010	13206
35°	27747	14623	9151
40°	30202	10328	7043
45°	33536	7346	6399
50°	36436	6171	5639
55°	35715	5068	4701
60°	29630	3836	3514
65°	20476	2776	2584
70°	12747	2110	1770
75°	7196	1798	1401
80°	4067	1683	1206
85°	1802	1631	1209



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	3.9
10°-20°	410.4	11.6
20°-30°	652.1	18.5
30°-40°	703.1	19.9
40°-50°	606.0	17.2
50°-60°	458.8	13.0
60°-70°	247.9	7.0
70°-80°	117.7	3.3
80°-90°	73.9	2.1
90°-100°	47.0	1.3
100°-110°	30.1	0.9
110°-120°	20.1	0.6
120°-130°	13.3	0.4
130°-140°	6.5	0.2
140°-150°	2.8	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1201.8	34.0
0°-40°	1904.8	54.0
0°-60°	2969.6	84.1
0°-90°	3409.1	96.6
90°-120°	97.3	2.8
90°-150°	119.8	3.4
90°-180°	121.0	3.4
0°-180°	3530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1418	1418	1418	1418	1418	
5°	1425	1455	1497	1517	1508	136
15°	1426	1464	1416	1464	1459	404
25°	1434	1407	1470	1430	1383	663
35°	1452	1398	1127	861	791	914
45°	1533	961	560	554	562	1180
55°	1347	415	370	404	406	1172
65°	585	177	188	211	213	601
75°	134	92	108	108	106	157
85°	14	56	83	83	81	21
90°	0	43	72	70	65	1
95°	0	34	58	52	49	0
105°	0	22	40	36	32	0
115°	0	13	27	27	27	0
125°	0	7	18	24	22	0
135°	0	4	11	13	13	0
145°	0	2	5	7	5	0
155°	0	2	2	4	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°	1417.5	1417.5	1417.5	1417.5	1417.5
2.5°	1426.5	1428.3	1433.7	1460.8	1471.7
5°	1424.7	1455.4	1496.9	1516.8	1507.8
7.5°	1424.7	1487.9	1487.9	1450.0	1424.7
10°	1424.7	1506.0	1424.7	1417.5	1415.7
12.5°	1424.7	1495.1	1397.6	1448.2	1453.6
15°	1426.5	1464.4	1415.7	1464.4	1459.0
17.5°	1426.5	1428.3	1437.4	1475.3	1482.5
20°	1428.3	1404.9	1442.8	1504.2	1498.7
22.5°	1431.9	1401.2	1453.6	1491.5	1459.0
25°	1433.7	1406.7	1469.9	1430.1	1383.2
27.5°	1433.7	1413.9	1450.0	1336.2	1258.6
30°	1433.7	1417.5	1379.6	1206.2	1119.5
32.5°	1441.0	1413.9	1271.2	1036.5	942.6
35°	1451.8	1397.6	1126.8	861.3	790.9
37.5°	1466.2	1354.3	957.0	720.5	673.5
40°	1486.1	1260.4	794.5	630.2	615.8
42.5°	1509.6	1123.2	660.9	585.1	585.1
45°	1533.1	960.6	559.8	554.4	561.6
47.5°	1543.9	801.7	503.8	523.7	530.9
50°	1525.8	653.7	462.3	489.4	493.0
52.5°	1462.6	521.9	415.3	447.8	456.8
55°	1347.1	415.3	370.2	404.5	406.3
57.5°	1179.1	330.4	323.2	350.3	348.5
60°	985.9	267.2	270.9	297.9	297.9
62.5°	778.3	216.7	227.5	251.0	249.2
65°	585.1	177.0	187.8	211.3	213.1
67.5°	431.6	146.3	158.9	175.2	171.5
70°	301.6	122.8	135.4	144.5	140.8
72.5°	200.4	104.7	119.2	122.8	121.0
75°	133.6	92.1	108.3	108.3	106.5
77.5°	86.7	81.3	101.1	99.3	95.7
80°	54.2	72.2	93.9	90.3	86.7
82.5°	32.5	63.2	88.5	84.9	81.3
85°	14.4	56.0	83.1	83.1	81.3
87.5°	5.4	50.6	77.6	79.5	75.8
90°	0.0	43.3	72.2	70.4	65.0
92.5°	0.0	39.7	65.0	59.6	56.0
95°	0.0	34.3	57.8	52.4	48.8
97.5°	0.0	30.7	52.4	46.9	43.3
100°	0.0	27.1	46.9	41.5	37.9
102.5°	0.0	23.5	43.3	37.9	36.1
105°	0.0	21.7	39.7	36.1	32.5
107.5°	0.0	19.9	36.1	32.5	30.7
110°	0.0	16.3	32.5	30.7	28.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.4	28.9	28.9	28.9
115°	0.0	12.6	27.1	27.1	27.1
117.5°	0.0	10.8	23.5	27.1	27.1
120°	0.0	10.8	21.7	25.3	25.3
122.5°	0.0	9.0	19.9	25.3	25.3
125°	0.0	7.2	18.1	23.5	21.7
127.5°	0.0	5.4	16.3	19.9	19.9
130°	0.0	5.4	14.4	18.1	16.3
132.5°	0.0	3.6	12.6	14.4	14.4
135°	0.0	3.6	10.8	12.6	12.6
137.5°	0.0	3.6	9.0	10.8	9.0
140°	0.0	1.8	7.2	9.0	7.2
142.5°	0.0	1.8	7.2	9.0	7.2
145°	0.0	1.8	5.4	7.2	5.4
147.5°	0.0	1.8	3.6	5.4	5.4
150°	0.0	1.8	3.6	5.4	3.6
152.5°	0.0	1.8	3.6	3.6	1.8
155°	0.0	1.8	1.8	3.6	1.8
157.5°	0.0	1.8	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	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)