

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: P218069

Luminaire Tested: **4SNLED-LD5-30SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218069
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3263.0 lumens
Efficiency: N/A
Efficacy: 147.6 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

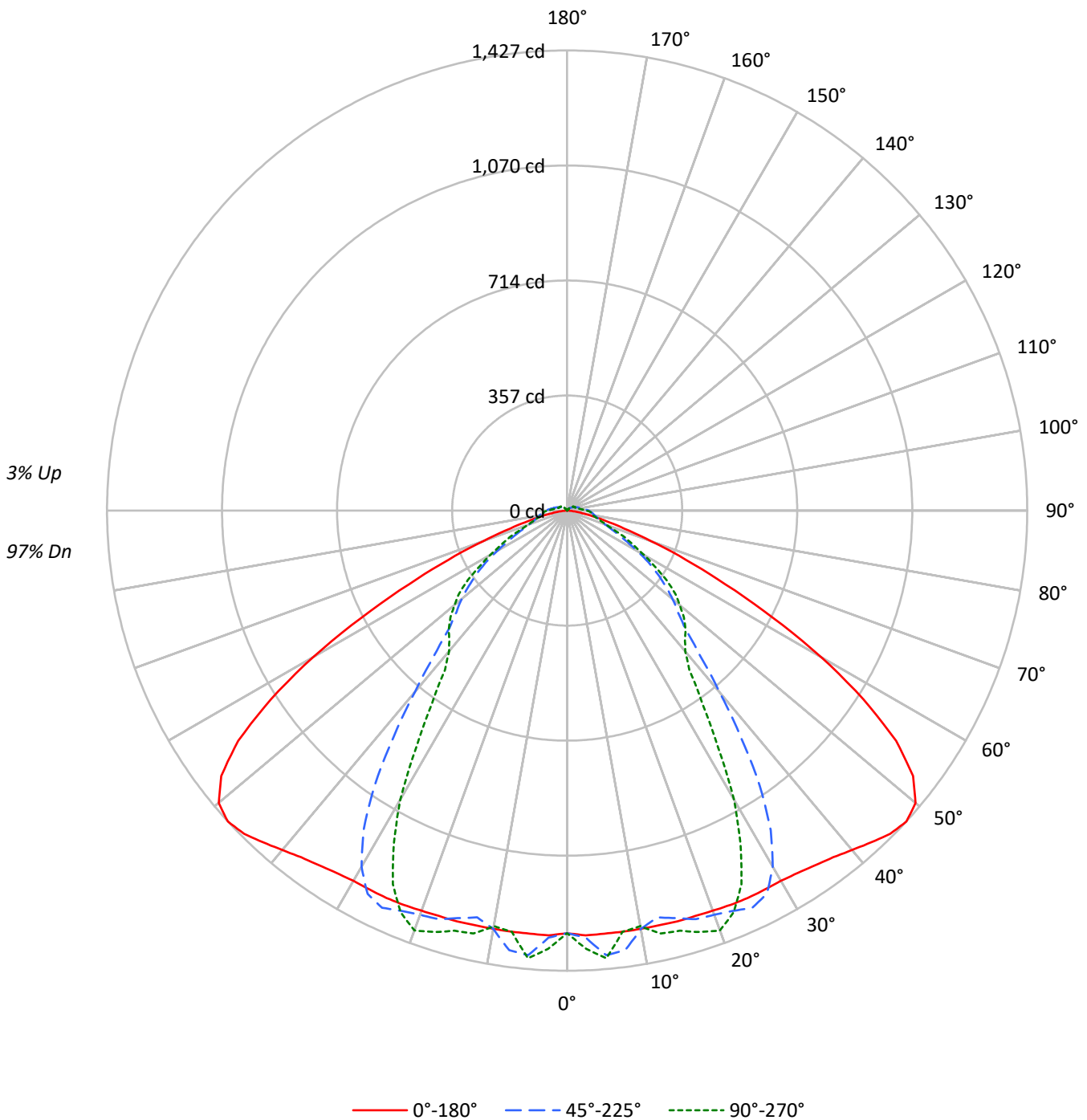
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	21114	21114	21114
5°	21225	21027	20730
10°	21392	19072	18202
15°	21754	18232	17744
20°	22301	18033	17417
25°	23113	17981	15503
30°	24079	16647	12208
35°	25649	13516	8459
40°	27918	9547	6510
45°	30999	6789	5915
50°	33681	5704	5212
55°	33013	4685	4346
60°	27391	3546	3249
65°	18925	2566	2389
70°	11779	1951	1637
75°	6652	1662	1296
80°	3759	1556	1114
85°	1677	1507	1117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	3.9
10°-20°	379.3	11.6
20°-30°	602.8	18.5
30°-40°	649.9	19.9
40°-50°	560.2	17.2
50°-60°	424.1	13.0
60°-70°	229.1	7.0
70°-80°	108.8	3.3
80°-90°	68.3	2.1
90°-100°	43.5	1.3
100°-110°	27.8	0.9
110°-120°	18.6	0.6
120°-130°	12.3	0.4
130°-140°	6.0	0.2
140°-150°	2.6	0.1
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1110.9	34.0
0°-40°	1760.8	54.0
0°-60°	2745.0	84.1
0°-90°	3151.2	96.6
90°-120°	89.9	2.8
90°-150°	110.8	3.4
90°-180°	112.0	3.4
0°-180°	3263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1317	1345	1384	1402	1394	126
15°	1319	1354	1309	1354	1349	374
25°	1325	1300	1359	1322	1279	613
35°	1342	1292	1042	796	731	845
45°	1417	888	517	512	519	1091
55°	1245	384	342	374	376	1083
65°	541	164	174	195	197	555
75°	124	85	100	100	98	145
85°	13	52	77	77	75	19
90°	0	40	67	65	60	1
95°	0	32	53	48	45	0
105°	0	20	37	33	30	0
115°	0	12	25	25	25	0
125°	0	7	17	22	20	0
135°	0	3	10	12	12	0
145°	0	2	5	7	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°	1310.3	1310.3	1310.3	1310.3	1310.3
2.5°	1318.6	1320.3	1325.3	1350.3	1360.4
5°	1317.0	1345.3	1383.7	1402.1	1393.7
7.5°	1317.0	1375.4	1375.4	1340.3	1317.0
10°	1317.0	1392.1	1317.0	1310.3	1308.6
12.5°	1317.0	1382.0	1291.9	1338.7	1343.7
15°	1318.6	1353.7	1308.6	1353.7	1348.7
17.5°	1318.6	1320.3	1328.6	1363.7	1370.4
20°	1320.3	1298.6	1333.6	1390.4	1385.4
22.5°	1323.6	1295.3	1343.7	1378.7	1348.7
25°	1325.3	1300.3	1358.7	1322.0	1278.6
27.5°	1325.3	1306.9	1340.3	1235.2	1163.4
30°	1325.3	1310.3	1275.2	1115.0	1034.9
32.5°	1332.0	1306.9	1175.1	958.1	871.3
35°	1342.0	1291.9	1041.5	796.2	731.1
37.5°	1355.3	1251.9	884.6	666.0	622.6
40°	1373.7	1165.1	734.4	582.5	569.2
42.5°	1395.4	1038.2	610.9	540.8	540.8
45°	1417.1	888.0	517.4	512.4	519.1
47.5°	1427.1	741.1	465.7	484.1	490.7
50°	1410.4	604.2	427.3	452.3	455.7
52.5°	1352.0	482.4	383.9	413.9	422.3
55°	1245.2	383.9	342.2	373.9	375.6
57.5°	1089.9	305.5	298.8	323.8	322.1
60°	911.4	247.0	250.4	275.4	275.4
62.5°	719.4	200.3	210.3	232.0	230.3
65°	540.8	163.6	173.6	195.3	197.0
67.5°	398.9	135.2	146.9	161.9	158.6
70°	278.7	113.5	125.2	133.5	130.2
72.5°	185.3	96.8	110.2	113.5	111.8
75°	123.5	85.1	100.1	100.1	98.5
77.5°	80.1	75.1	93.5	91.8	88.5
80°	50.1	66.8	86.8	83.5	80.1
82.5°	30.0	58.4	81.8	78.4	75.1
85°	13.4	51.7	76.8	76.8	75.1
87.5°	5.0	46.7	71.8	73.4	70.1
90°	0.0	40.1	66.8	65.1	60.1
92.5°	0.0	36.7	60.1	55.1	51.7
95°	0.0	31.7	53.4	48.4	45.1
97.5°	0.0	28.4	48.4	43.4	40.1
100°	0.0	25.0	43.4	38.4	35.1
102.5°	0.0	21.7	40.1	35.1	33.4
105°	0.0	20.0	36.7	33.4	30.0
107.5°	0.0	18.4	33.4	30.0	28.4
110°	0.0	15.0	30.0	28.4	26.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.4	26.7	26.7	26.7
115°	0.0	11.7	25.0	25.0	25.0
117.5°	0.0	10.0	21.7	25.0	25.0
120°	0.0	10.0	20.0	23.4	23.4
122.5°	0.0	8.3	18.4	23.4	23.4
125°	0.0	6.7	16.7	21.7	20.0
127.5°	0.0	5.0	15.0	18.4	18.4
130°	0.0	5.0	13.4	16.7	15.0
132.5°	0.0	3.3	11.7	13.4	13.4
135°	0.0	3.3	10.0	11.7	11.7
137.5°	0.0	3.3	8.3	10.0	8.3
140°	0.0	1.7	6.7	8.3	6.7
142.5°	0.0	1.7	6.7	8.3	6.7
145°	0.0	1.7	5.0	6.7	5.0
147.5°	0.0	1.7	3.3	5.0	5.0
150°	0.0	1.7	3.3	5.0	3.3
152.5°	0.0	1.7	3.3	3.3	1.7
155°	0.0	1.7	1.7	3.3	1.7
157.5°	0.0	1.7	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	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)