

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: P218190

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-30SL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3427.0 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

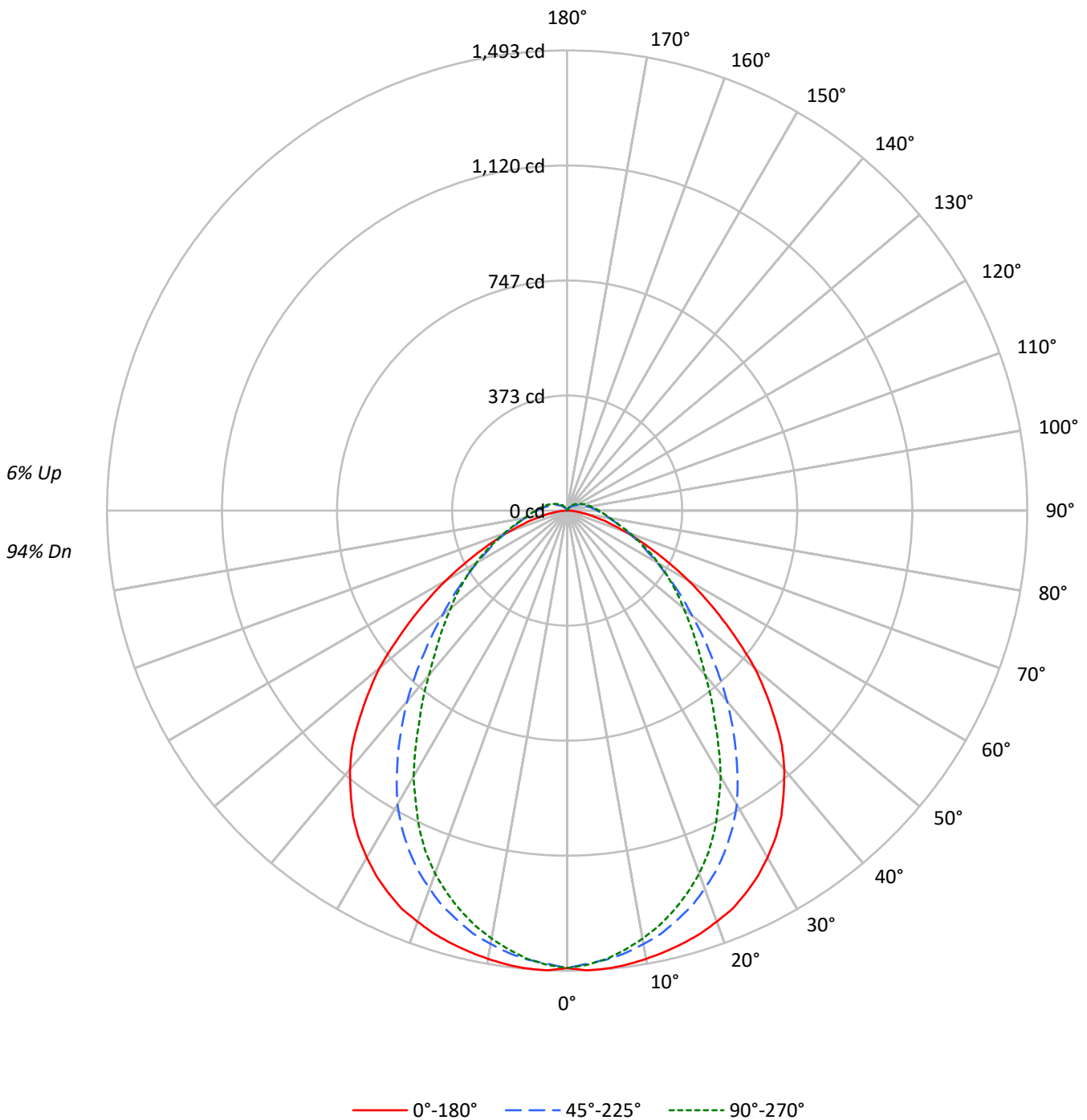
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23916	23916	23916
5°	24036	22224	21726
10°	23989	20682	19614
15°	23979	19168	17650
20°	23972	17652	15753
25°	23900	16080	13771
30°	23619	14378	11757
35°	23155	12395	9672
40°	22274	10492	7971
45°	20814	8624	6686
50°	18970	7038	5638
55°	16324	5809	4805
60°	13675	4755	4025
65°	10869	3949	3327
70°	8470	3320	2747
75°	6421	2818	2280
80°	4472	2491	1958
85°	2716	2269	1773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	4.1
10°-20°	391.6	11.4
20°-30°	567.1	16.5
30°-40°	617.2	18.0
40°-50°	548.1	16.0
50°-60°	417.2	12.2
60°-70°	277.0	8.1
70°-80°	168.8	4.9
80°-90°	104.6	3.1
90°-100°	71.4	2.1
100°-110°	50.1	1.5
110°-120°	34.1	1.0
120°-130°	21.7	0.6
130°-140°	12.3	0.4
140°-150°	5.8	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1098.2	32.0
0°-40°	1715.4	50.1
0°-60°	2680.7	78.2
0°-90°	3231.1	94.3
90°-120°	155.7	4.5
90°-150°	195.5	5.7
90°-180°	196.0	5.7
0°-180°	3427.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1491	1482	1462	1470	1461	142
15°	1454	1428	1376	1360	1342	411
25°	1370	1309	1215	1166	1136	631
35°	1212	1103	955	872	836	755
45°	952	809	657	601	587	733
55°	616	500	424	417	415	552
65°	311	267	267	278	274	313
75°	119	135	170	179	173	129
85°	22	69	116	123	119	26
90°	0	51	98	106	103	1
95°	0	40	83	92	90	0
105°	0	25	60	69	69	0
115°	0	16	43	52	51	0
125°	0	11	29	36	36	0
135°	0	7	20	25	25	0
145°	0	4	11	14	14	0
155°	0	0	0	0	0	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°	1484.2	1484.2	1484.2	1484.2	1484.2
2.5°	1493.2	1486.0	1471.5	1480.5	1475.1
5°	1491.4	1482.3	1462.5	1469.7	1460.7
7.5°	1486.0	1475.1	1448.0	1451.7	1437.2
10°	1476.9	1462.5	1428.2	1424.6	1410.1
12.5°	1466.1	1448.0	1406.5	1393.9	1379.4
15°	1453.5	1428.2	1375.8	1359.6	1341.5
17.5°	1439.0	1404.7	1345.1	1319.8	1300.0
20°	1419.2	1377.6	1305.4	1274.7	1253.0
22.5°	1399.3	1345.1	1263.9	1222.3	1198.9
25°	1370.4	1309.0	1215.1	1166.4	1135.7
27.5°	1337.9	1267.5	1161.0	1097.8	1063.5
30°	1300.0	1218.7	1101.4	1027.3	996.7
32.5°	1258.5	1164.6	1029.2	949.7	915.4
35°	1211.5	1103.2	955.1	872.1	836.0
37.5°	1153.7	1036.4	881.1	796.2	767.4
40°	1096.0	966.0	807.1	727.6	696.9
42.5°	1031.0	888.3	731.2	659.0	637.4
45°	951.5	808.9	657.2	601.2	586.8
47.5°	873.9	727.6	590.4	550.7	538.0
50°	794.4	648.2	527.2	501.9	492.9
52.5°	702.4	570.5	474.9	458.6	455.0
55°	615.7	500.1	424.3	417.1	415.3
57.5°	532.6	433.3	377.4	382.8	379.2
60°	455.0	371.9	335.8	343.1	341.2
62.5°	379.2	316.0	297.9	312.4	308.7
65°	310.6	267.2	267.2	278.1	274.4
67.5°	251.0	227.5	238.3	249.2	245.6
70°	200.4	191.4	213.1	222.1	218.5
72.5°	155.3	160.7	187.8	198.6	193.2
75°	119.2	135.4	169.7	178.7	173.3
77.5°	84.9	113.7	153.5	160.7	155.3
80°	59.6	95.7	139.0	146.2	140.8
82.5°	37.9	81.2	126.4	133.6	130.0
85°	21.7	68.6	115.6	122.8	119.2
87.5°	10.8	59.6	104.7	113.7	110.1
90°	0.0	50.6	97.5	106.5	102.9
92.5°	0.0	45.1	90.3	99.3	95.7
95°	0.0	39.7	83.1	92.1	90.3
97.5°	0.0	36.1	77.6	86.7	83.1
100°	0.0	30.7	70.4	79.4	77.6
102.5°	0.0	28.9	65.0	74.0	72.2
105°	0.0	25.3	59.6	68.6	68.6
107.5°	0.0	23.5	56.0	65.0	63.2
110°	0.0	19.9	50.6	59.6	59.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.1	46.9	56.0	54.2
115°	0.0	16.2	43.3	52.4	50.6
117.5°	0.0	16.2	39.7	46.9	46.9
120°	0.0	14.4	36.1	43.3	43.3
122.5°	0.0	12.6	32.5	39.7	39.7
125°	0.0	10.8	28.9	36.1	36.1
127.5°	0.0	10.8	27.1	34.3	34.3
130°	0.0	9.0	23.5	30.7	30.7
132.5°	0.0	7.2	21.7	27.1	27.1
135°	0.0	7.2	19.9	25.3	25.3
137.5°	0.0	5.4	16.2	21.7	21.7
140°	0.0	5.4	14.4	19.9	19.9
142.5°	0.0	3.6	12.6	18.1	16.2
145°	0.0	3.6	10.8	14.4	14.4
147.5°	0.0	1.8	9.0	12.6	12.6
150°	0.0	1.8	7.2	10.8	9.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)