

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: P218188

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218188
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3106.0 lumens
Efficiency: N/A
Efficacy: 140.5 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

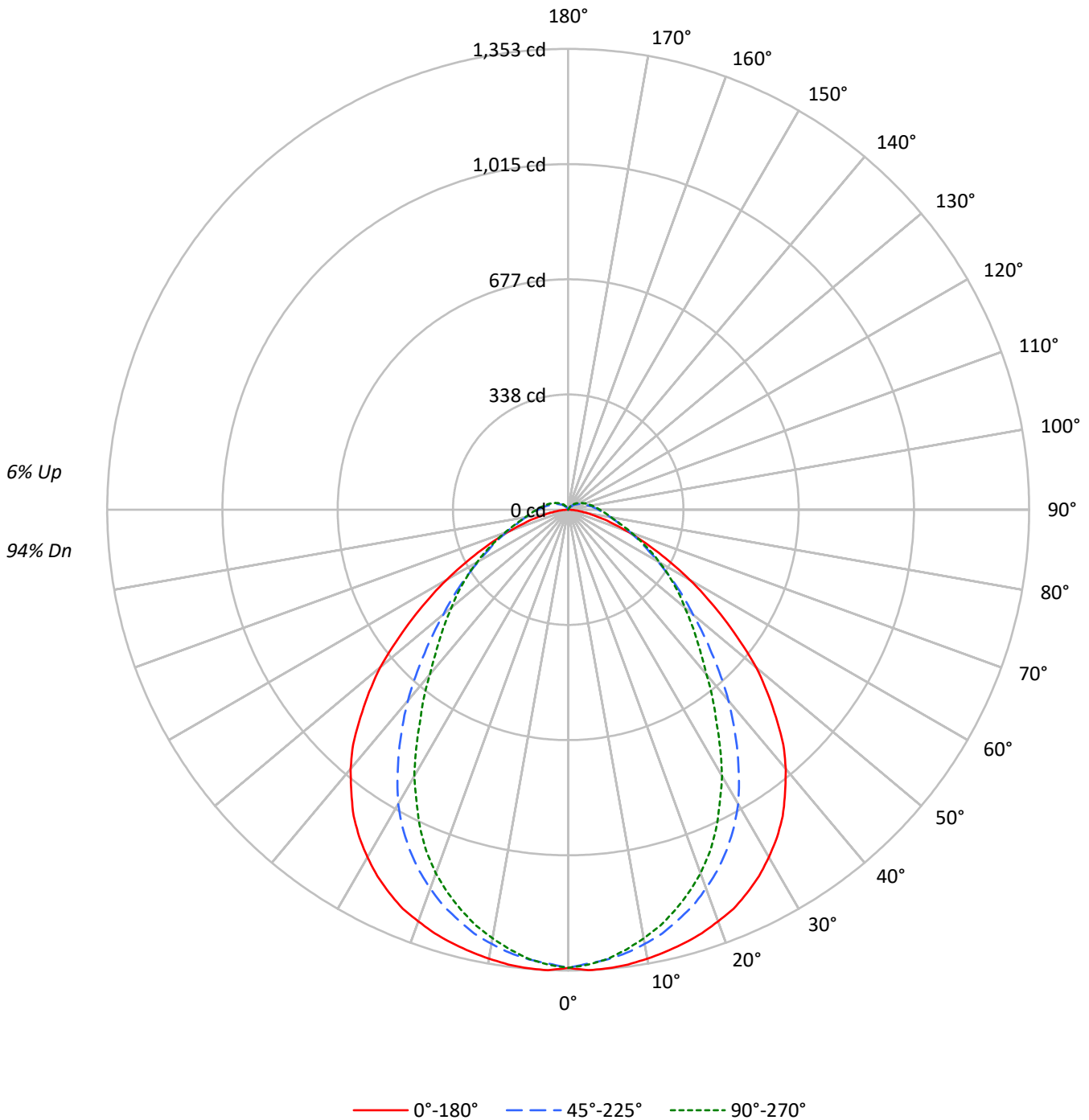
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	21674	21674	21674
5°	21784	20142	19692
10°	21742	18745	17776
15°	21732	17372	15997
20°	21725	15998	14278
25°	21660	14574	12481
30°	21406	13031	10655
35°	20985	11235	8766
40°	20187	9509	7225
45°	18865	7817	6059
50°	17194	6378	5109
55°	14794	5265	4355
60°	12394	4310	3649
65°	9851	3580	3016
70°	7675	3009	2489
75°	5817	2554	2067
80°	4052	2258	1775
85°	2453	2055	1606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	4.1
10°-20°	354.9	11.4
20°-30°	513.9	16.5
30°-40°	559.4	18.0
40°-50°	496.8	16.0
50°-60°	378.1	12.2
60°-70°	251.1	8.1
70°-80°	153.0	4.9
80°-90°	94.8	3.1
90°-100°	64.7	2.1
100°-110°	45.4	1.5
110°-120°	30.9	1.0
120°-130°	19.6	0.6
130°-140°	11.1	0.4
140°-150°	5.2	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	995.3	32.0
0°-40°	1554.7	50.1
0°-60°	2429.6	78.2
0°-90°	2928.4	94.3
90°-120°	141.1	4.5
90°-150°	177.2	5.7
90°-180°	178.0	5.7
0°-180°	3106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1352	1344	1326	1332	1324	129
15°	1317	1294	1247	1232	1216	372
25°	1242	1186	1101	1057	1029	572
35°	1098	1000	866	790	758	684
45°	862	733	596	545	532	664
55°	558	453	385	378	376	501
65°	282	242	242	252	249	284
75°	108	123	154	162	157	117
85°	20	62	105	111	108	23
90°	0	46	88	96	93	1
95°	0	36	75	84	82	0
105°	0	23	54	62	62	0
115°	0	15	39	48	46	0
125°	0	10	26	33	33	0
135°	0	6	18	23	23	0
145°	0	3	10	13	13	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°	1345.1	1345.1	1345.1	1345.1	1345.1
2.5°	1353.3	1346.8	1333.7	1341.9	1337.0
5°	1351.7	1343.5	1325.5	1332.0	1323.9
7.5°	1346.8	1337.0	1312.4	1315.7	1302.6
10°	1338.6	1325.5	1294.4	1291.1	1278.0
12.5°	1328.8	1312.4	1274.8	1263.3	1250.2
15°	1317.3	1294.4	1246.9	1232.2	1215.9
17.5°	1304.2	1273.1	1219.1	1196.2	1178.2
20°	1286.2	1248.6	1183.1	1155.3	1135.7
22.5°	1268.2	1219.1	1145.5	1107.9	1086.6
25°	1242.0	1186.4	1101.3	1057.1	1029.3
27.5°	1212.6	1148.8	1052.2	994.9	963.8
30°	1178.2	1104.6	998.2	931.1	903.3
32.5°	1140.6	1055.5	932.8	860.8	829.7
35°	1098.0	999.8	865.7	790.4	757.7
37.5°	1045.7	939.3	798.6	721.7	695.5
40°	993.3	875.5	731.5	659.5	631.7
42.5°	934.4	805.1	662.7	597.3	577.7
45°	862.4	733.1	595.7	544.9	531.8
47.5°	792.0	659.5	535.1	499.1	487.7
50°	720.0	587.5	477.8	454.9	446.7
52.5°	636.6	517.1	430.4	415.6	412.4
55°	558.0	453.3	384.6	378.0	376.4
57.5°	482.7	392.7	342.0	346.9	343.6
60°	412.4	337.1	304.4	310.9	309.3
62.5°	343.6	286.4	270.0	283.1	279.8
65°	281.5	242.2	242.2	252.0	248.7
67.5°	227.5	206.2	216.0	225.8	222.6
70°	181.6	173.5	193.1	201.3	198.0
72.5°	140.7	145.6	170.2	180.0	175.1
75°	108.0	122.7	153.8	162.0	157.1
77.5°	76.9	103.1	139.1	145.6	140.7
80°	54.0	86.7	126.0	132.5	127.6
82.5°	34.4	73.6	114.5	121.1	117.8
85°	19.6	62.2	104.7	111.3	108.0
87.5°	9.8	54.0	94.9	103.1	99.8
90°	0.0	45.8	88.4	96.5	93.3
92.5°	0.0	40.9	81.8	90.0	86.7
95°	0.0	36.0	75.3	83.5	81.8
97.5°	0.0	32.7	70.4	78.5	75.3
100°	0.0	27.8	63.8	72.0	70.4
102.5°	0.0	26.2	58.9	67.1	65.5
105°	0.0	22.9	54.0	62.2	62.2
107.5°	0.0	21.3	50.7	58.9	57.3
110°	0.0	18.0	45.8	54.0	54.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.4	42.5	50.7	49.1
115°	0.0	14.7	39.3	47.5	45.8
117.5°	0.0	14.7	36.0	42.5	42.5
120°	0.0	13.1	32.7	39.3	39.3
122.5°	0.0	11.5	29.5	36.0	36.0
125°	0.0	9.8	26.2	32.7	32.7
127.5°	0.0	9.8	24.5	31.1	31.1
130°	0.0	8.2	21.3	27.8	27.8
132.5°	0.0	6.5	19.6	24.5	24.5
135°	0.0	6.5	18.0	22.9	22.9
137.5°	0.0	4.9	14.7	19.6	19.6
140°	0.0	4.9	13.1	18.0	18.0
142.5°	0.0	3.3	11.5	16.4	14.7
145°	0.0	3.3	9.8	13.1	13.1
147.5°	0.0	1.6	8.2	11.5	11.5
150°	0.0	1.6	6.5	9.8	8.2
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)