

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: P218187

Luminaire Tested: **4SNLED-LD5-30SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218187
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2924.0 lumens
Efficiency: N/A
Efficacy: 132.3 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

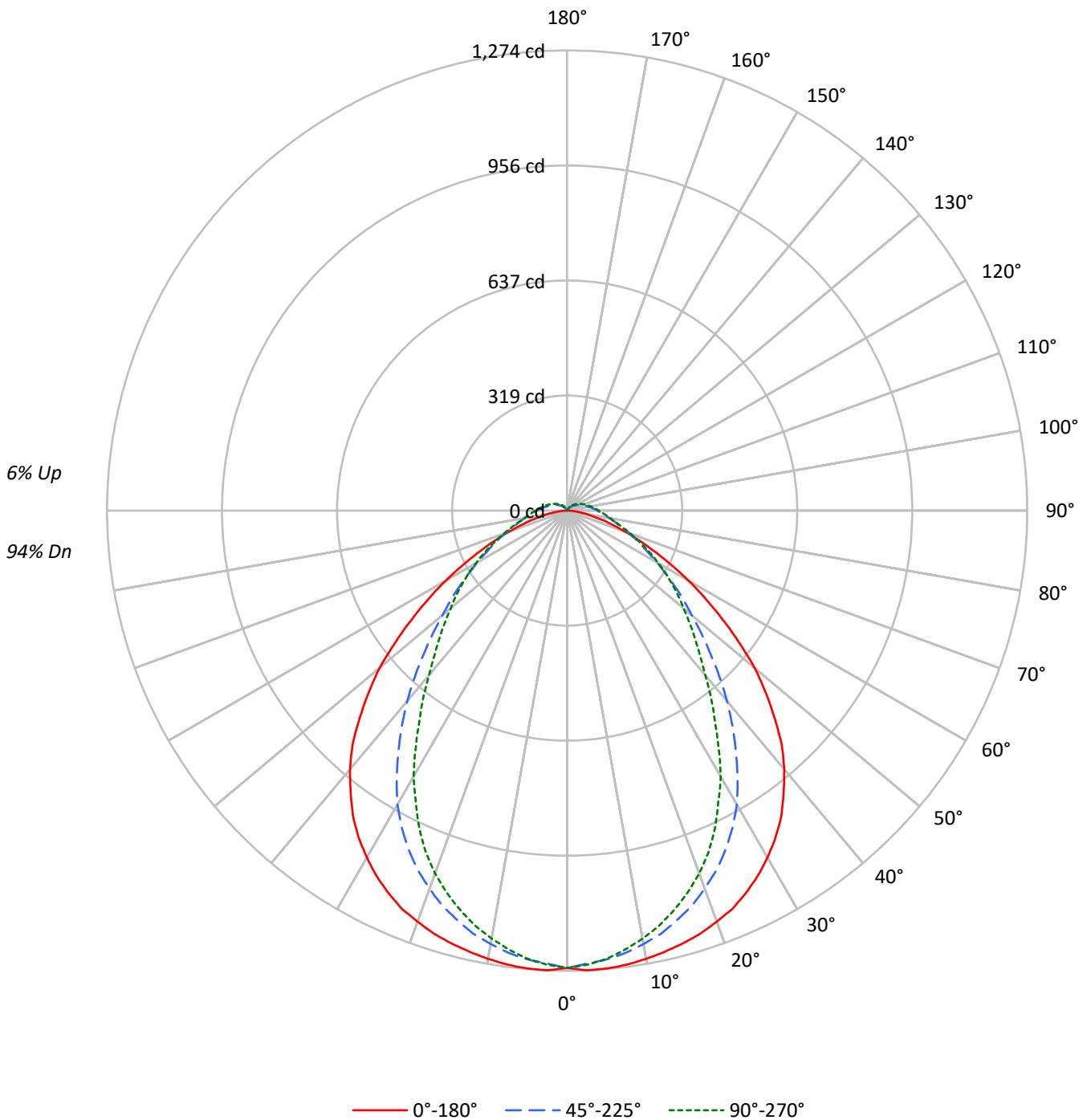
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20405	20405	20405
5°	20508	18961	18537
10°	20469	17647	16736
15°	20459	16355	15059
20°	20453	15061	13441
25°	20392	13721	11749
30°	20152	12267	10031
35°	19756	10575	8253
40°	19004	8952	6801
45°	17760	7359	5705
50°	16186	6005	4811
55°	13927	4956	4099
60°	11667	4057	3435
65°	9274	3370	2840
70°	7227	2833	2343
75°	5478	2405	1946
80°	3812	2126	1672
85°	2315	1935	1513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	4.1
10°-20°	334.1	11.4
20°-30°	483.8	16.5
30°-40°	526.6	18.0
40°-50°	467.7	16.0
50°-60°	356.0	12.2
60°-70°	236.4	8.1
70°-80°	144.0	4.9
80°-90°	89.2	3.1
90°-100°	60.9	2.1
100°-110°	42.8	1.5
110°-120°	29.1	1.0
120°-130°	18.5	0.6
130°-140°	10.5	0.4
140°-150°	4.9	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	937.0	32.0
0°-40°	1463.6	50.1
0°-60°	2287.3	78.2
0°-90°	2756.9	94.3
90°-120°	132.9	4.5
90°-150°	166.8	5.7
90°-180°	167.0	5.7
0°-180°	2924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1272	1265	1248	1254	1246	121
15°	1240	1219	1174	1160	1145	350
25°	1169	1117	1037	995	969	538
35°	1034	941	815	744	713	644
45°	812	690	561	513	501	625
55°	525	427	362	356	354	471
65°	265	228	228	237	234	267
75°	102	116	145	152	148	110
85°	18	58	99	105	102	22
90°	0	43	83	91	88	1
95°	0	34	71	79	77	0
105°	0	22	51	58	58	0
115°	0	14	37	45	43	0
125°	0	9	25	31	31	0
135°	0	6	17	22	22	0
145°	0	3	9	12	12	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°	1266.3	1266.3	1266.3	1266.3	1266.3
2.5°	1274.0	1267.9	1255.5	1263.2	1258.6
5°	1272.5	1264.8	1247.8	1254.0	1246.3
7.5°	1267.9	1258.6	1235.5	1238.6	1226.3
10°	1260.2	1247.8	1218.6	1215.5	1203.2
12.5°	1250.9	1235.5	1200.1	1189.3	1177.0
15°	1240.1	1218.6	1173.9	1160.0	1144.6
17.5°	1227.8	1198.5	1147.7	1126.1	1109.2
20°	1210.9	1175.4	1113.8	1087.6	1069.1
22.5°	1193.9	1147.7	1078.4	1042.9	1022.9
25°	1169.3	1116.9	1036.8	995.2	969.0
27.5°	1141.5	1081.5	990.6	936.6	907.4
30°	1109.2	1039.9	939.7	876.6	850.4
32.5°	1073.7	993.6	878.1	810.3	781.0
35°	1033.7	941.3	814.9	744.1	713.3
37.5°	984.4	884.3	751.8	679.4	654.7
40°	935.1	824.2	688.6	620.8	594.6
42.5°	879.6	757.9	623.9	562.3	543.8
45°	811.9	690.2	560.8	513.0	500.7
47.5°	745.6	620.8	503.8	469.9	459.1
50°	677.8	553.0	449.8	428.3	420.6
52.5°	599.3	486.8	405.2	391.3	388.2
55°	525.3	426.7	362.0	355.9	354.3
57.5°	454.5	369.7	322.0	326.6	323.5
60°	388.2	317.3	286.5	292.7	291.2
62.5°	323.5	269.6	254.2	266.5	263.4
65°	265.0	228.0	228.0	237.2	234.2
67.5°	214.1	194.1	203.3	212.6	209.5
70°	171.0	163.3	181.8	189.5	186.4
72.5°	132.5	137.1	160.2	169.5	164.8
75°	101.7	115.5	144.8	152.5	147.9
77.5°	72.4	97.1	130.9	137.1	132.5
80°	50.8	81.6	118.6	124.8	120.2
82.5°	32.4	69.3	107.8	114.0	110.9
85°	18.5	58.5	98.6	104.8	101.7
87.5°	9.2	50.8	89.4	97.1	94.0
90°	0.0	43.1	83.2	90.9	87.8
92.5°	0.0	38.5	77.0	84.7	81.6
95°	0.0	33.9	70.9	78.6	77.0
97.5°	0.0	30.8	66.2	73.9	70.9
100°	0.0	26.2	60.1	67.8	66.2
102.5°	0.0	24.6	55.5	63.2	61.6
105°	0.0	21.6	50.8	58.5	58.5
107.5°	0.0	20.0	47.8	55.5	53.9
110°	0.0	16.9	43.1	50.8	50.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.4	40.1	47.8	46.2
115°	0.0	13.9	37.0	44.7	43.1
117.5°	0.0	13.9	33.9	40.1	40.1
120°	0.0	12.3	30.8	37.0	37.0
122.5°	0.0	10.8	27.7	33.9	33.9
125°	0.0	9.2	24.6	30.8	30.8
127.5°	0.0	9.2	23.1	29.3	29.3
130°	0.0	7.7	20.0	26.2	26.2
132.5°	0.0	6.2	18.5	23.1	23.1
135°	0.0	6.2	16.9	21.6	21.6
137.5°	0.0	4.6	13.9	18.5	18.5
140°	0.0	4.6	12.3	16.9	16.9
142.5°	0.0	3.1	10.8	15.4	13.9
145°	0.0	3.1	9.2	12.3	12.3
147.5°	0.0	1.5	7.7	10.8	10.8
150°	0.0	1.5	6.2	9.2	7.7
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)