

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: P218173

Luminaire Tested: **2SNLED-LD5-32HL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218173
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: 2SNLED-LD5-32HL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3408.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

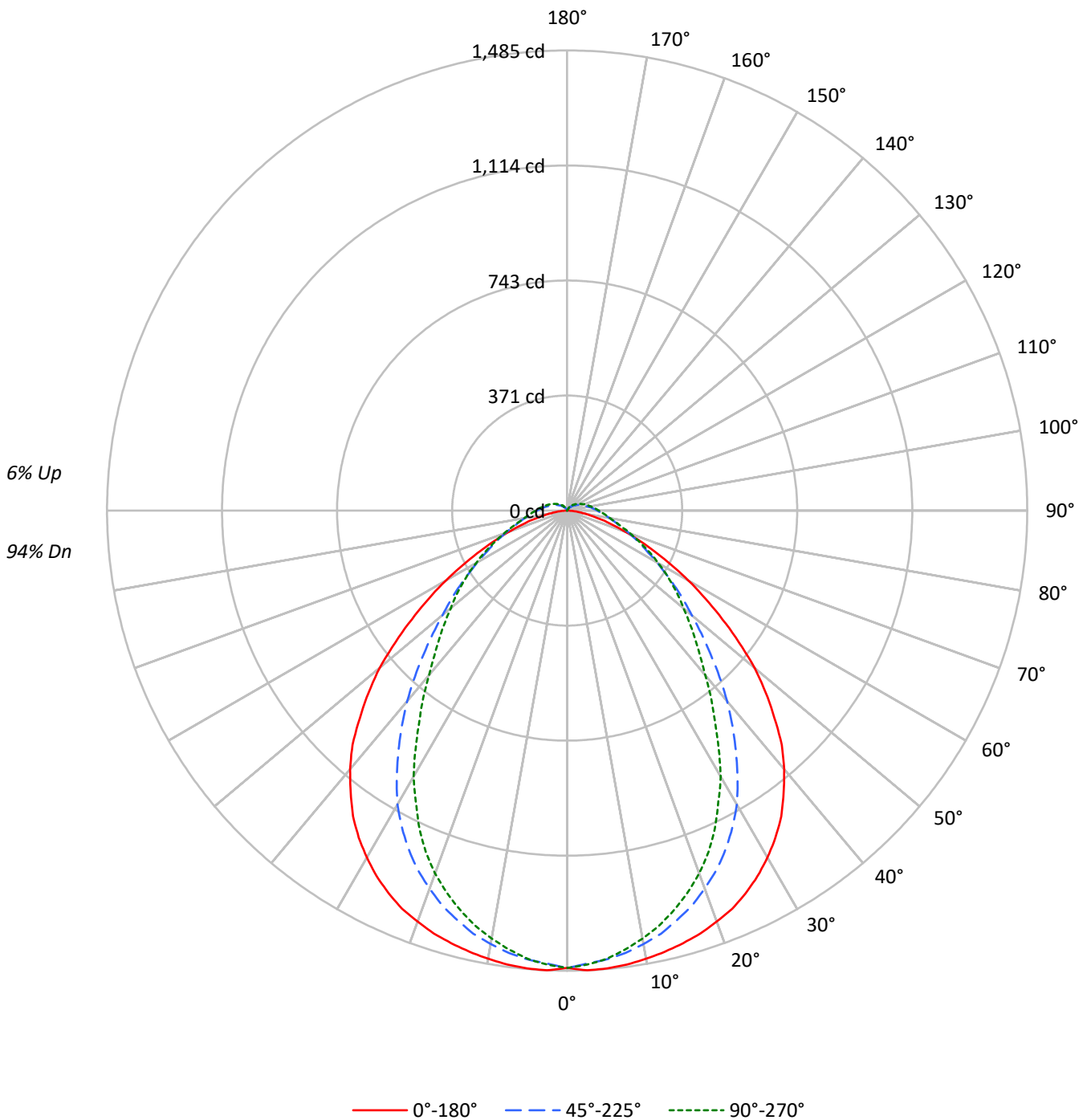
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	47564	47564	47564
5°	47631	44095	43212
10°	47365	40947	39011
15°	47169	37874	35105
20°	46974	34814	31332
25°	46643	31659	27389
30°	45896	28259	23382
35°	44781	24320	19236
40°	42850	20552	15855
45°	39801	16866	13297
50°	36023	13741	11213
55°	30738	11320	9557
60°	25481	9251	8007
65°	19972	7666	6618
70°	15275	6430	5464
75°	11250	5446	4536
80°	7469	4802	3897
85°	4068	4354	3525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	4.1
10°-20°	389.4	11.4
20°-30°	563.9	16.5
30°-40°	613.7	18.0
40°-50°	545.1	16.0
50°-60°	414.9	12.2
60°-70°	275.5	8.1
70°-80°	167.9	4.9
80°-90°	104.0	3.1
90°-100°	71.1	2.1
100°-110°	49.8	1.5
110°-120°	34.0	1.0
120°-130°	21.5	0.6
130°-140°	12.2	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°	1092.1	32.0
0°-40°	1705.8	50.1
0°-60°	2665.9	78.2
0°-90°	3213.2	94.3
90°-120°	154.9	4.5
90°-150°	194.4	5.7
90°-180°	195.0	5.7
0°-180°	3408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1476	1476	1476	1476	1476	
5°	1483	1474	1454	1462	1453	141
15°	1445	1420	1368	1352	1334	408
25°	1363	1302	1208	1160	1129	628
35°	1205	1097	950	867	831	751
45°	946	804	654	598	584	729
55°	612	497	422	415	413	549
65°	309	266	266	276	273	311
75°	118	135	169	178	172	128
85°	22	68	115	122	118	26
90°	0	50	97	106	102	1
95°	0	40	83	92	90	0
105°	0	25	59	68	68	0
115°	0	16	43	52	50	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°	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1484.9	1477.7	1463.4	1472.3	1466.9
5°	1483.1	1474.1	1454.4	1461.6	1452.6
7.5°	1477.7	1466.9	1440.0	1443.6	1429.2
10°	1468.7	1454.4	1420.3	1416.7	1402.3
12.5°	1458.0	1440.0	1398.7	1386.1	1371.8
15°	1445.4	1420.3	1368.2	1352.0	1334.1
17.5°	1431.0	1396.9	1337.7	1312.5	1292.8
20°	1411.3	1370.0	1298.2	1267.6	1246.1
22.5°	1391.5	1337.7	1256.9	1215.6	1192.2
25°	1362.8	1301.8	1208.4	1159.9	1129.4
27.5°	1330.5	1260.5	1154.5	1091.7	1057.6
30°	1292.8	1212.0	1095.3	1021.7	991.1
32.5°	1251.5	1158.1	1023.4	944.4	910.3
35°	1204.8	1097.1	949.8	867.2	831.3
37.5°	1147.3	1030.6	876.2	791.8	763.1
40°	1089.9	960.6	802.6	723.6	693.1
42.5°	1025.2	883.4	727.2	655.4	633.8
45°	946.2	804.4	653.6	597.9	583.5
47.5°	869.0	723.6	587.1	547.6	535.1
50°	790.0	644.6	524.3	499.2	490.2
52.5°	698.5	567.4	472.2	456.1	452.5
55°	612.3	497.4	421.9	414.8	413.0
57.5°	529.7	430.9	375.3	380.7	377.1
60°	452.5	369.9	334.0	341.1	339.4
62.5°	377.1	314.2	296.3	310.6	307.0
65°	308.8	265.7	265.7	276.5	272.9
67.5°	249.6	226.2	237.0	247.8	244.2
70°	199.3	190.3	211.9	220.8	217.3
72.5°	154.4	159.8	186.7	197.5	192.1
75°	118.5	134.7	168.8	177.8	172.4
77.5°	84.4	113.1	152.6	159.8	154.4
80°	59.3	95.2	138.3	145.4	140.1
82.5°	37.7	80.8	125.7	132.9	129.3
85°	21.5	68.2	114.9	122.1	118.5
87.5°	10.8	59.3	104.1	113.1	109.5
90°	0.0	50.3	97.0	105.9	102.3
92.5°	0.0	44.9	89.8	98.8	95.2
95°	0.0	39.5	82.6	91.6	89.8
97.5°	0.0	35.9	77.2	86.2	82.6
100°	0.0	30.5	70.0	79.0	77.2
102.5°	0.0	28.7	64.6	73.6	71.8
105°	0.0	25.1	59.3	68.2	68.2
107.5°	0.0	23.3	55.7	64.6	62.8
110°	0.0	19.8	50.3	59.3	59.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.0	46.7	55.7	53.9
115°	0.0	16.2	43.1	52.1	50.3
117.5°	0.0	16.2	39.5	46.7	46.7
120°	0.0	14.4	35.9	43.1	43.1
122.5°	0.0	12.6	32.3	39.5	39.5
125°	0.0	10.8	28.7	35.9	35.9
127.5°	0.0	10.8	26.9	34.1	34.1
130°	0.0	9.0	23.3	30.5	30.5
132.5°	0.0	7.2	21.5	26.9	26.9
135°	0.0	7.2	19.8	25.1	25.1
137.5°	0.0	5.4	16.2	21.5	21.5
140°	0.0	5.4	14.4	19.8	19.8
142.5°	0.0	3.6	12.6	18.0	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)