

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: P218174

Luminaire Tested: **2SNLED-LD5-32HL-LN-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218174
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3687.0 lumens
Efficiency: N/A
Efficacy: 142.4 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

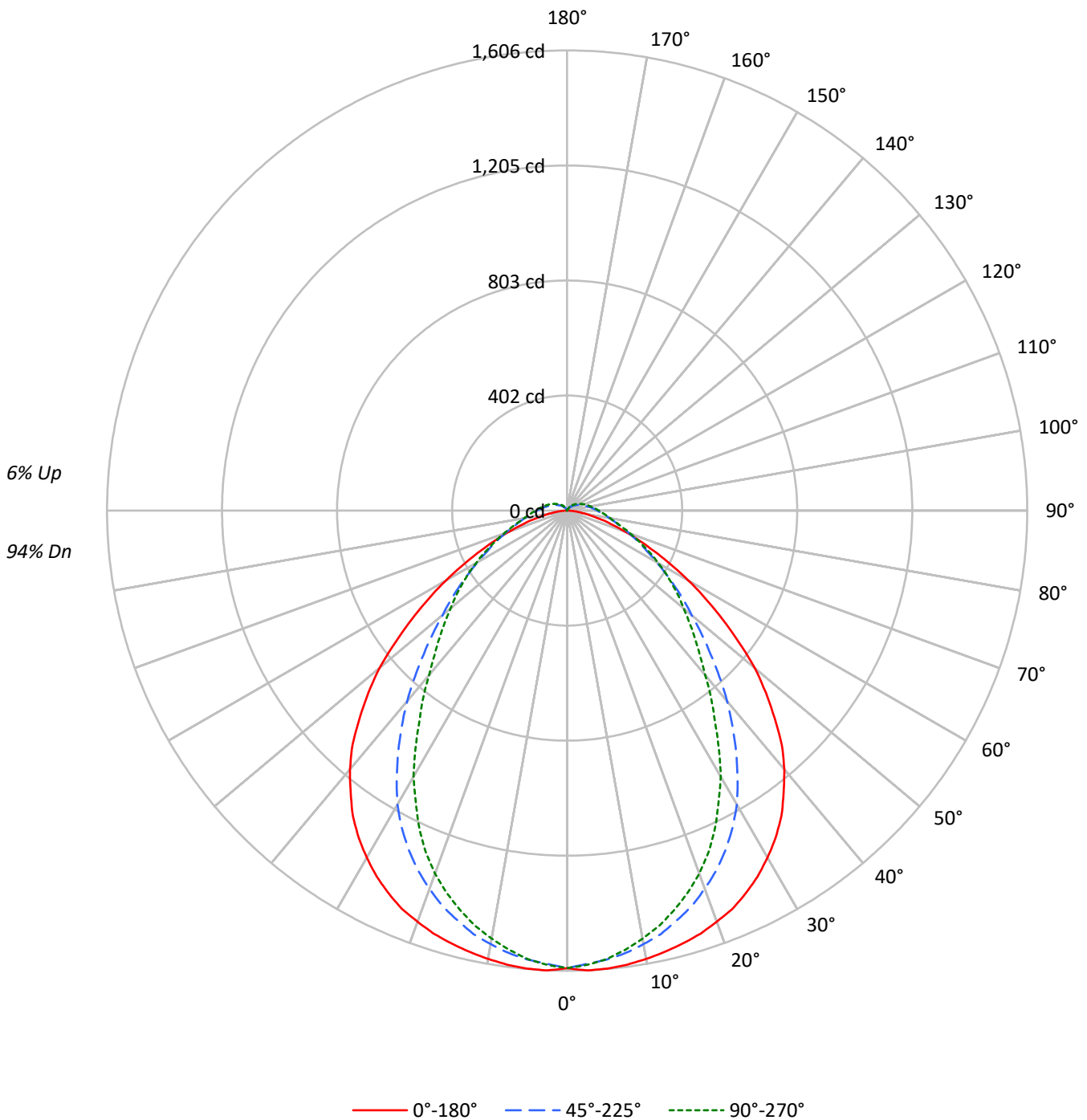
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218174

CATALOG NUMBER: 2SNLED-LD5-32HL-LN-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218174

CATALOG NUMBER: 2SNLED-LD5-32HL-LN-UNV-L850-CD1-U

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°	51461	51461	51461
5°	51530	47703	46749
10°	51245	44297	42204
15°	51030	40974	37978
20°	50818	37662	33897
25°	50463	34250	29629
30°	49652	30571	25298
35°	48446	26312	20812
40°	46356	22235	17152
45°	43061	18247	14386
50°	38974	14865	12131
55°	33253	12248	10339
60°	27564	10007	8661
65°	21608	8295	7161
70°	16524	6955	5909
75°	12170	5891	4907
80°	8073	5194	4215
85°	4408	4711	3814



TEST NUMBER: P218174

CATALOG NUMBER: 2SNLED-LD5-32HL-LN-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	4.1
10°-20°	421.3	11.4
20°-30°	610.1	16.5
30°-40°	664.0	18.0
40°-50°	589.7	16.0
50°-60°	448.9	12.2
60°-70°	298.0	8.1
70°-80°	181.6	4.9
80°-90°	112.5	3.1
90°-100°	76.9	2.1
100°-110°	53.9	1.5
110°-120°	36.7	1.0
120°-130°	23.3	0.6
130°-140°	13.2	0.4
140°-150°	6.2	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1181.5	32.0
0°-40°	1845.5	50.1
0°-60°	2884.1	78.2
0°-90°	3476.2	94.3
90°-120°	167.5	4.5
90°-150°	210.3	5.7
90°-180°	211.0	5.7
0°-180°	3687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1597	1597	1597	1597	1597	
5°	1604	1595	1573	1581	1572	153
15°	1564	1536	1480	1463	1443	442
25°	1474	1408	1307	1255	1222	679
35°	1303	1187	1028	938	899	812
45°	1024	870	707	647	631	788
55°	662	538	456	449	447	594
65°	334	288	288	299	295	337
75°	128	146	183	192	186	139
85°	23	74	124	132	128	28
90°	0	54	105	115	111	2
95°	0	43	89	99	97	0
105°	0	27	64	74	74	0
115°	0	18	47	56	54	0
125°	0	12	31	39	39	0
135°	0	8	21	27	27	0
145°	0	4	12	16	16	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



TEST NUMBER: P218174

CATALOG NUMBER: 2SNLED-LD5-32HL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1596.8	1596.8	1596.8	1596.8	1596.8
2.5°	1606.5	1598.7	1583.2	1592.9	1587.0
5°	1604.5	1594.8	1573.4	1581.2	1571.5
7.5°	1598.7	1587.0	1557.9	1561.8	1546.2
10°	1589.0	1573.4	1536.5	1532.6	1517.1
12.5°	1577.3	1557.9	1513.2	1499.6	1484.1
15°	1563.7	1536.5	1480.2	1462.7	1443.3
17.5°	1548.2	1511.3	1447.2	1420.0	1398.6
20°	1526.8	1482.1	1404.4	1371.4	1348.1
22.5°	1505.5	1447.2	1359.8	1315.1	1289.8
25°	1474.4	1408.3	1307.3	1254.9	1221.8
27.5°	1439.4	1363.6	1249.0	1181.1	1144.1
30°	1398.6	1311.2	1184.9	1105.3	1072.3
32.5°	1353.9	1252.9	1107.2	1021.8	984.9
35°	1303.4	1186.9	1027.6	938.2	899.4
37.5°	1241.3	1115.0	947.9	856.7	825.6
40°	1179.1	1039.2	868.3	782.8	749.8
42.5°	1109.2	955.7	786.7	709.0	685.7
45°	1023.7	870.2	707.1	646.9	631.3
47.5°	940.2	782.8	635.2	592.5	578.9
50°	854.7	697.4	567.2	540.0	530.3
52.5°	755.6	613.8	510.9	493.4	489.5
55°	662.4	538.1	456.5	448.7	446.8
57.5°	573.0	466.2	406.0	411.8	407.9
60°	489.5	400.2	361.3	369.1	367.1
62.5°	407.9	339.9	320.5	336.1	332.2
65°	334.1	287.5	287.5	299.1	295.3
67.5°	270.0	244.8	256.4	268.1	264.2
70°	215.6	205.9	229.2	238.9	235.0
72.5°	167.1	172.9	202.0	213.7	207.8
75°	128.2	145.7	182.6	192.3	186.5
77.5°	91.3	122.4	165.1	172.9	167.1
80°	64.1	103.0	149.6	157.3	151.5
82.5°	40.8	87.4	136.0	143.7	139.9
85°	23.3	73.8	124.3	132.1	128.2
87.5°	11.7	64.1	112.7	122.4	118.5
90°	0.0	54.4	104.9	114.6	110.7
92.5°	0.0	48.6	97.1	106.8	103.0
95°	0.0	42.7	89.4	99.1	97.1
97.5°	0.0	38.9	83.5	93.2	89.4
100°	0.0	33.0	75.8	85.5	83.5
102.5°	0.0	31.1	69.9	79.6	77.7
105°	0.0	27.2	64.1	73.8	73.8
107.5°	0.0	25.3	60.2	69.9	68.0
110°	0.0	21.4	54.4	64.1	64.1



TEST NUMBER: P218174

CATALOG NUMBER: 2SNLED-LD5-32HL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.4	50.5	60.2	58.3
115°	0.0	17.5	46.6	56.3	54.4
117.5°	0.0	17.5	42.7	50.5	50.5
120°	0.0	15.5	38.9	46.6	46.6
122.5°	0.0	13.6	35.0	42.7	42.7
125°	0.0	11.7	31.1	38.9	38.9
127.5°	0.0	11.7	29.1	36.9	36.9
130°	0.0	9.7	25.3	33.0	33.0
132.5°	0.0	7.8	23.3	29.1	29.1
135°	0.0	7.8	21.4	27.2	27.2
137.5°	0.0	5.8	17.5	23.3	23.3
140°	0.0	5.8	15.5	21.4	21.4
142.5°	0.0	3.9	13.6	19.4	17.5
145°	0.0	3.9	11.7	15.5	15.5
147.5°	0.0	1.9	9.7	13.6	13.6
150°	0.0	1.9	7.8	11.7	9.7
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)