

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: P218053

Luminaire Tested: **2SNLED-LD5-34HL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-34HL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3511.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

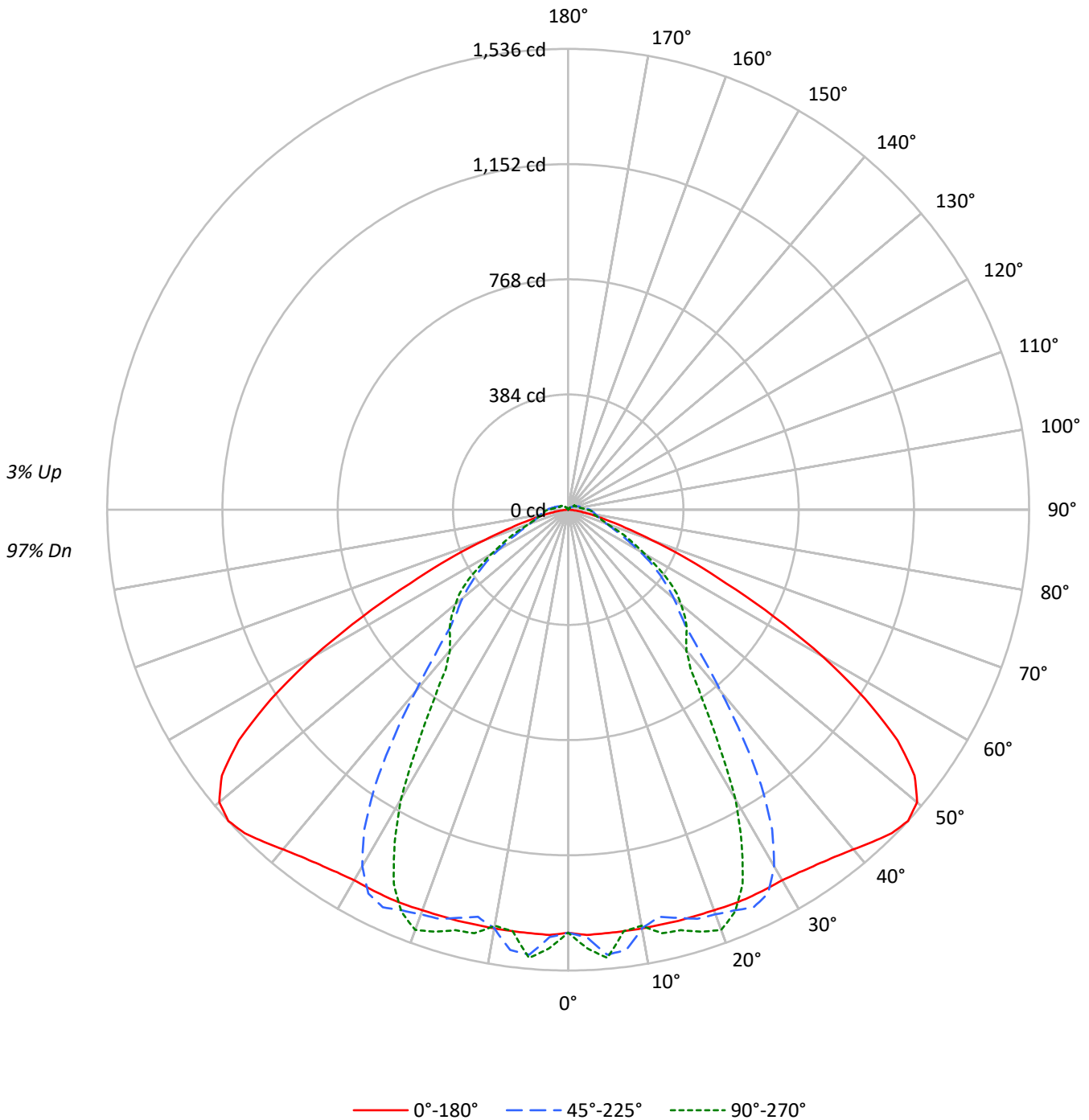
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45437	45437	45437
5°	45508	45141	44613
10°	45698	40852	39172
15°	46301	38978	38186
20°	47283	38483	37482
25°	48807	38300	33362
30°	50625	35401	26270
35°	53672	28696	18202
40°	58112	20235	14009
45°	64139	14368	12729
50°	69201	12050	11216
55°	67258	9879	9351
60°	55218	7462	6990
65°	37634	5390	5139
70°	22985	4088	3523
75°	12617	3478	2789
80°	6789	3243	2398
85°	2724	3130	2404



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	3.9
10°-20°	408.2	11.6
20°-30°	648.6	18.5
30°-40°	699.3	19.9
40°-50°	602.7	17.2
50°-60°	456.3	13.0
60°-70°	246.5	7.0
70°-80°	117.1	3.3
80°-90°	73.5	2.1
90°-100°	46.8	1.3
100°-110°	29.9	0.9
110°-120°	20.0	0.6
120°-130°	13.2	0.4
130°-140°	6.5	0.2
140°-150°	2.8	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1195.3	34.0
0°-40°	1894.6	54.0
0°-60°	2953.6	84.1
0°-90°	3390.7	96.6
90°-120°	96.7	2.8
90°-150°	119.2	3.4
90°-180°	120.0	3.4
0°-180°	3511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1410	1410	1410	1410	1410	
5°	1417	1448	1489	1509	1500	135
15°	1419	1457	1408	1457	1451	402
25°	1426	1399	1462	1422	1376	660
35°	1444	1390	1121	857	787	910
45°	1525	956	557	551	559	1174
55°	1340	413	368	402	404	1165
65°	582	176	187	210	212	598
75°	133	92	108	108	106	157
85°	14	56	83	83	81	21
90°	0	43	72	70	65	1
95°	0	34	58	52	48	0
105°	0	22	40	36	32	0
115°	0	13	27	27	27	0
125°	0	7	18	23	22	0
135°	0	4	11	13	13	0
145°	0	2	5	7	5	0
155°	0	2	2	4	2	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218053

CATALOG NUMBER: 2SNLED-LD5-34HL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1409.9	1409.9	1409.9	1409.9	1409.9
2.5°	1418.8	1420.6	1426.0	1453.0	1463.7
5°	1417.0	1447.6	1488.9	1508.6	1499.7
7.5°	1417.0	1479.9	1479.9	1442.2	1417.0
10°	1417.0	1497.9	1417.0	1409.9	1408.1
12.5°	1417.0	1487.1	1390.1	1440.4	1445.8
15°	1418.8	1456.6	1408.1	1456.6	1451.2
17.5°	1418.8	1420.6	1429.6	1467.3	1474.5
20°	1420.6	1397.3	1435.0	1496.1	1490.7
22.5°	1424.2	1393.7	1445.8	1483.5	1451.2
25°	1426.0	1399.1	1461.9	1422.4	1375.7
27.5°	1426.0	1406.3	1442.2	1329.0	1251.8
30°	1426.0	1409.9	1372.1	1199.7	1113.5
32.5°	1433.2	1406.3	1264.4	1030.9	937.5
35°	1444.0	1390.1	1120.7	856.7	786.6
37.5°	1458.4	1347.0	951.9	716.6	669.9
40°	1478.1	1253.6	790.2	626.8	612.4
42.5°	1501.5	1117.1	657.3	581.9	581.9
45°	1524.8	955.5	556.8	551.4	558.6
47.5°	1535.6	797.4	501.1	520.8	528.0
50°	1517.6	650.2	459.8	486.7	490.3
52.5°	1454.8	519.0	413.1	445.4	454.4
55°	1339.8	413.1	368.2	402.3	404.1
57.5°	1172.8	328.7	321.5	348.4	346.6
60°	980.6	265.8	269.4	296.3	296.3
62.5°	774.1	215.5	226.3	249.6	247.8
65°	581.9	176.0	186.8	210.1	211.9
67.5°	429.2	145.5	158.0	174.2	170.6
70°	299.9	122.1	134.7	143.7	140.1
72.5°	199.4	104.2	118.5	122.1	120.3
75°	132.9	91.6	107.8	107.8	106.0
77.5°	86.2	80.8	100.6	98.8	95.2
80°	53.9	71.8	93.4	89.8	86.2
82.5°	32.3	62.9	88.0	84.4	80.8
85°	14.4	55.7	82.6	82.6	80.8
87.5°	5.4	50.3	77.2	79.0	75.4
90°	0.0	43.1	71.8	70.0	64.7
92.5°	0.0	39.5	64.7	59.3	55.7
95°	0.0	34.1	57.5	52.1	48.5
97.5°	0.0	30.5	52.1	46.7	43.1
100°	0.0	26.9	46.7	41.3	37.7
102.5°	0.0	23.3	43.1	37.7	35.9
105°	0.0	21.6	39.5	35.9	32.3
107.5°	0.0	19.8	35.9	32.3	30.5
110°	0.0	16.2	32.3	30.5	28.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.4	28.7	28.7	28.7
115°	0.0	12.6	26.9	26.9	26.9
117.5°	0.0	10.8	23.3	26.9	26.9
120°	0.0	10.8	21.6	25.1	25.1
122.5°	0.0	9.0	19.8	25.1	25.1
125°	0.0	7.2	18.0	23.3	21.6
127.5°	0.0	5.4	16.2	19.8	19.8
130°	0.0	5.4	14.4	18.0	16.2
132.5°	0.0	3.6	12.6	14.4	14.4
135°	0.0	3.6	10.8	12.6	12.6
137.5°	0.0	3.6	9.0	10.8	9.0
140°	0.0	1.8	7.2	9.0	7.2
142.5°	0.0	1.8	7.2	9.0	7.2
145°	0.0	1.8	5.4	7.2	5.4
147.5°	0.0	1.8	3.6	5.4	5.4
150°	0.0	1.8	3.6	5.4	3.6
152.5°	0.0	1.8	3.6	3.6	1.8
155°	0.0	1.8	1.8	3.6	1.8
157.5°	0.0	1.8	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	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)