

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: P218054

Luminaire Tested: **2SNLED-LD5-34HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218054
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3797.0 lumens
Efficiency: N/A
Efficacy: 146.6 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

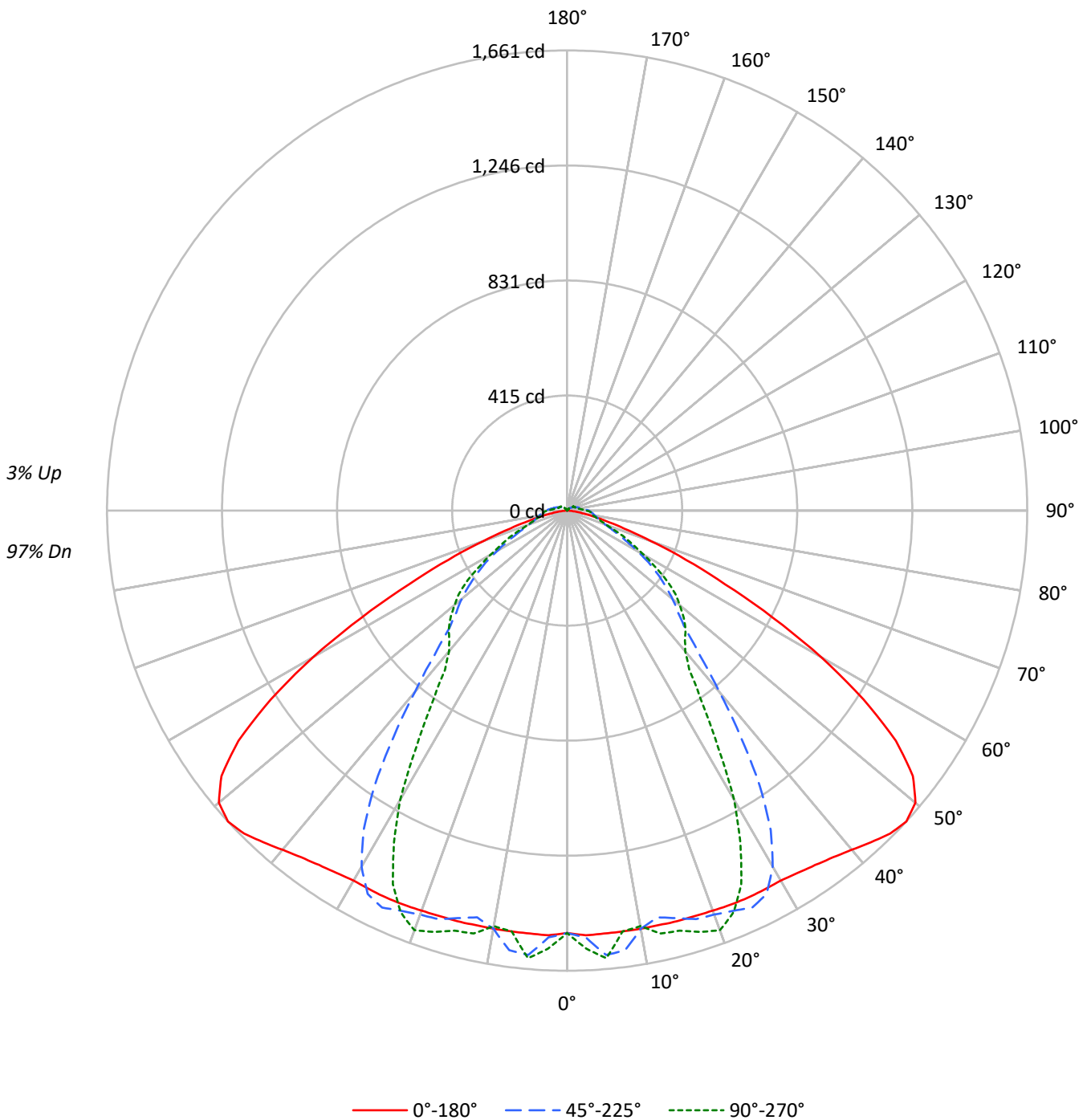
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49137	49137	49137
5°	49217	48818	48245
10°	49423	44182	42363
15°	50074	42153	41296
20°	51138	41618	40535
25°	52784	41421	36080
30°	54750	38285	28410
35°	58043	31034	19685
40°	62845	21884	15150
45°	69363	15537	13766
50°	74837	13030	12128
55°	72740	10684	10112
60°	59717	8069	7561
65°	40700	5828	5558
70°	24863	4422	3809
75°	13642	3759	3016
80°	7343	3507	2593
85°	2933	3384	2600



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	3.9
10°-20°	441.4	11.6
20°-30°	701.4	18.5
30°-40°	756.3	19.9
40°-50°	651.8	17.2
50°-60°	493.5	13.0
60°-70°	266.6	7.0
70°-80°	126.6	3.3
80°-90°	79.5	2.1
90°-100°	50.6	1.3
100°-110°	32.4	0.9
110°-120°	21.7	0.6
120°-130°	14.3	0.4
130°-140°	7.0	0.2
140°-150°	3.0	0.1
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1292.7	34.0
0°-40°	2048.9	54.0
0°-60°	3194.2	84.1
0°-90°	3666.9	96.6
90°-120°	104.6	2.8
90°-150°	128.9	3.4
90°-180°	130.0	3.4
0°-180°	3797.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1525	1525	1525	1525	1525	
5°	1532	1566	1610	1632	1622	146
15°	1534	1575	1523	1575	1569	435
25°	1542	1513	1581	1538	1488	713
35°	1562	1503	1212	926	851	984
45°	1649	1033	602	596	604	1269
55°	1449	447	398	435	437	1260
65°	629	190	202	227	229	646
75°	144	99	116	116	115	169
85°	16	60	89	89	87	22
90°	0	47	78	76	70	1
95°	0	37	62	56	52	0
105°	0	23	43	39	35	0
115°	0	14	29	29	29	0
125°	0	8	19	25	23	0
135°	0	4	12	14	14	0
145°	0	2	6	8	6	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1524.7	1524.7	1524.7	1524.7	1524.7
2.5°	1534.4	1536.4	1542.2	1571.3	1583.0
5°	1532.5	1565.5	1610.2	1631.5	1621.8
7.5°	1532.5	1600.5	1600.5	1559.7	1532.5
10°	1532.5	1619.9	1532.5	1524.7	1522.8
12.5°	1532.5	1608.2	1503.3	1557.7	1563.6
15°	1534.4	1575.2	1522.8	1575.2	1569.4
17.5°	1534.4	1536.4	1546.1	1586.9	1594.6
20°	1536.4	1511.1	1551.9	1617.9	1612.1
22.5°	1540.2	1507.2	1563.6	1604.3	1569.4
25°	1542.2	1513.1	1581.0	1538.3	1487.8
27.5°	1542.2	1520.8	1559.7	1437.3	1353.8
30°	1542.2	1524.7	1483.9	1297.5	1204.2
32.5°	1550.0	1520.8	1367.4	1114.9	1013.9
35°	1561.6	1503.3	1212.0	926.5	850.7
37.5°	1577.1	1456.7	1029.4	775.0	724.5
40°	1598.5	1355.7	854.6	677.9	662.3
42.5°	1623.8	1208.1	710.9	629.3	629.3
45°	1649.0	1033.3	602.1	596.3	604.1
47.5°	1660.7	862.4	541.9	563.3	571.0
50°	1641.2	703.1	497.2	526.4	530.2
52.5°	1573.3	561.3	446.7	481.7	491.4
55°	1449.0	446.7	398.2	435.1	437.0
57.5°	1268.3	355.4	347.7	376.8	374.9
60°	1060.5	287.5	291.3	320.5	320.5
62.5°	837.1	233.1	244.7	270.0	268.0
65°	629.3	190.3	202.0	227.2	229.2
67.5°	464.2	157.3	170.9	188.4	184.5
70°	324.4	132.1	145.7	155.4	151.5
72.5°	215.6	112.7	128.2	132.1	130.1
75°	143.7	99.1	116.5	116.5	114.6
77.5°	93.2	87.4	108.8	106.8	102.9
80°	58.3	77.7	101.0	97.1	93.2
82.5°	35.0	68.0	95.2	91.3	87.4
85°	15.5	60.2	89.3	89.3	87.4
87.5°	5.8	54.4	83.5	85.5	81.6
90°	0.0	46.6	77.7	75.7	69.9
92.5°	0.0	42.7	69.9	64.1	60.2
95°	0.0	36.9	62.2	56.3	52.4
97.5°	0.0	33.0	56.3	50.5	46.6
100°	0.0	29.1	50.5	44.7	40.8
102.5°	0.0	25.2	46.6	40.8	38.8
105°	0.0	23.3	42.7	38.8	35.0
107.5°	0.0	21.4	38.8	35.0	33.0
110°	0.0	17.5	35.0	33.0	31.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.5	31.1	31.1	31.1
115°	0.0	13.6	29.1	29.1	29.1
117.5°	0.0	11.7	25.2	29.1	29.1
120°	0.0	11.7	23.3	27.2	27.2
122.5°	0.0	9.7	21.4	27.2	27.2
125°	0.0	7.8	19.4	25.2	23.3
127.5°	0.0	5.8	17.5	21.4	21.4
130°	0.0	5.8	15.5	19.4	17.5
132.5°	0.0	3.9	13.6	15.5	15.5
135°	0.0	3.9	11.7	13.6	13.6
137.5°	0.0	3.9	9.7	11.7	9.7
140°	0.0	1.9	7.8	9.7	7.8
142.5°	0.0	1.9	7.8	9.7	7.8
145°	0.0	1.9	5.8	7.8	5.8
147.5°	0.0	1.9	3.9	5.8	5.8
150°	0.0	1.9	3.9	5.8	3.9
152.5°	0.0	1.9	3.9	3.9	1.9
155°	0.0	1.9	1.9	3.9	1.9
157.5°	0.0	1.9	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	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)