

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: P218074

Luminaire Tested: **4SNLED-LD5-34SL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218074
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: 4SNLED-LD5-34SL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3936.0 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

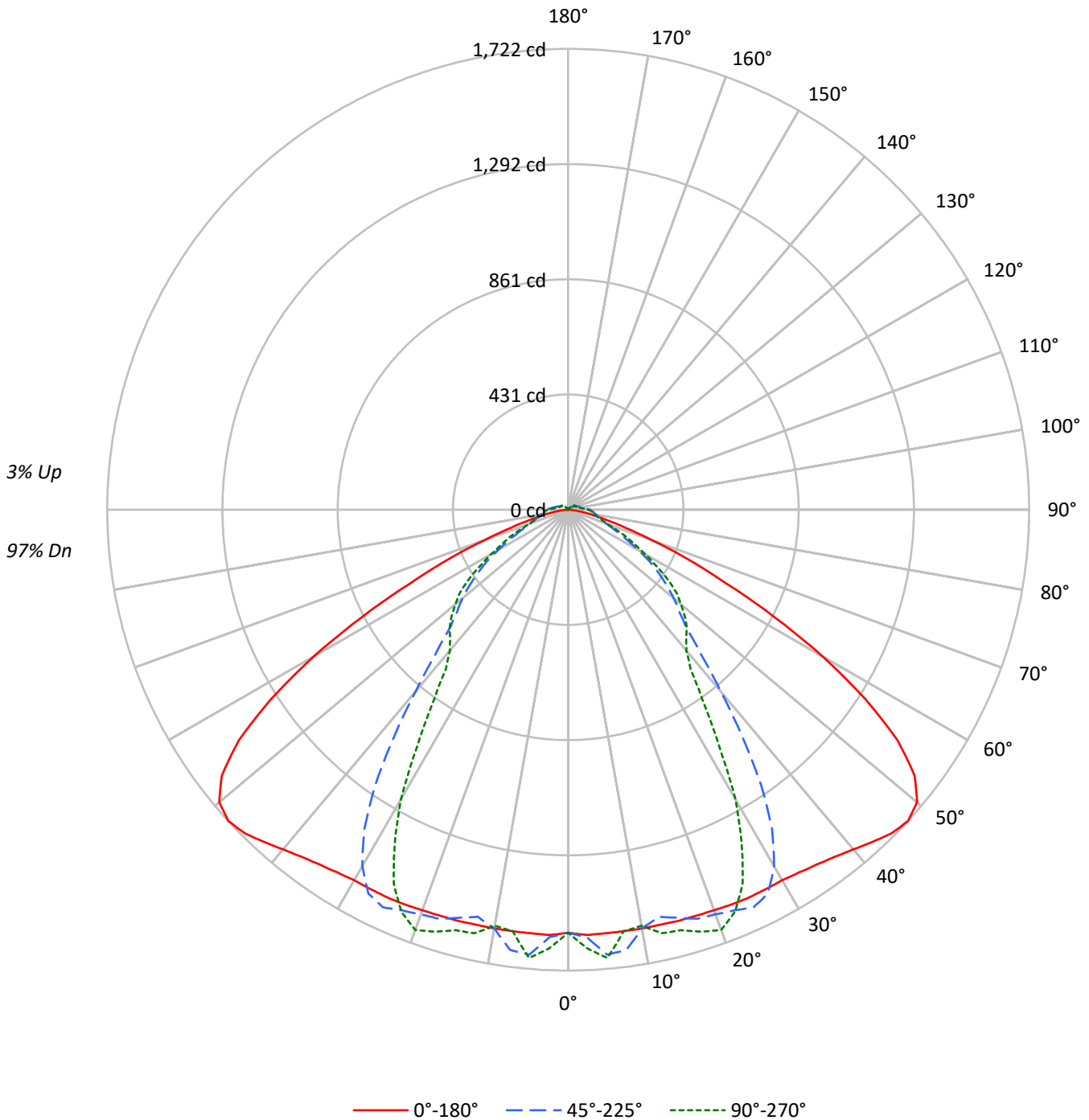
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25468	25468	25468
5°	25602	25363	25006
10°	25803	23005	21956
15°	26241	21992	21403
20°	26901	21753	21009
25°	27879	21689	18701
30°	29044	20080	14725
35°	30939	16305	10203
40°	33675	11516	7853
45°	37393	8191	7135
50°	40627	6880	6287
55°	39822	5650	5241
60°	33038	4276	3919
65°	22827	3095	2881
70°	14210	2353	1974
75°	8026	2006	1563
80°	4532	1876	1344
85°	2015	1817	1348



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	3.9
10°-20°	457.6	11.6
20°-30°	727.1	18.5
30°-40°	784.0	19.9
40°-50°	675.7	17.2
50°-60°	511.5	13.0
60°-70°	276.4	7.0
70°-80°	131.2	3.3
80°-90°	82.4	2.1
90°-100°	52.4	1.3
100°-110°	33.6	0.9
110°-120°	22.5	0.6
120°-130°	14.8	0.4
130°-140°	7.3	0.2
140°-150°	3.1	0.1
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1340.0	34.0
0°-40°	2123.9	54.0
0°-60°	3311.2	84.1
0°-90°	3801.2	96.6
90°-120°	108.5	2.8
90°-150°	133.6	3.4
90°-180°	135.0	3.4
0°-180°	3936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1580	1580	1580	1580	1580	
5°	1589	1623	1669	1691	1681	152
15°	1591	1633	1578	1633	1627	451
25°	1599	1568	1639	1595	1542	739
35°	1619	1558	1256	960	882	1020
45°	1709	1071	624	618	626	1316
55°	1502	463	413	451	453	1306
65°	652	197	209	236	238	670
75°	149	103	121	121	119	175
85°	16	62	93	93	91	23
90°	0	48	80	78	72	1
95°	0	38	64	58	54	0
105°	0	24	44	40	36	0
115°	0	14	30	30	30	0
125°	0	8	20	26	24	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°	1580.5	1580.5	1580.5	1580.5	1580.5
2.5°	1590.6	1592.6	1598.6	1628.8	1640.9
5°	1588.6	1622.8	1669.1	1691.3	1681.2
7.5°	1588.6	1659.0	1659.0	1616.8	1588.6
10°	1588.6	1679.2	1588.6	1580.5	1578.5
12.5°	1588.6	1667.1	1558.4	1614.8	1620.8
15°	1590.6	1632.9	1578.5	1632.9	1626.8
17.5°	1590.6	1592.6	1602.7	1645.0	1653.0
20°	1592.6	1566.4	1608.7	1677.2	1671.1
22.5°	1596.6	1562.4	1620.8	1663.1	1626.8
25°	1598.6	1568.4	1638.9	1594.6	1542.3
27.5°	1598.6	1576.5	1616.8	1489.9	1403.3
30°	1598.6	1580.5	1538.2	1345.0	1248.3
32.5°	1606.7	1576.5	1417.4	1155.7	1051.0
35°	1618.8	1558.4	1256.4	960.4	881.9
37.5°	1634.9	1510.1	1067.1	803.3	751.0
40°	1657.0	1405.4	885.9	702.7	686.6
42.5°	1683.2	1252.3	736.9	652.3	652.3
45°	1709.4	1071.1	624.2	618.1	626.2
47.5°	1721.5	894.0	561.7	583.9	591.9
50°	1701.3	728.9	515.4	545.6	549.7
52.5°	1630.9	581.9	463.1	499.3	509.4
55°	1502.0	463.1	412.7	451.0	453.0
57.5°	1314.8	368.5	360.4	390.6	388.6
60°	1099.3	298.0	302.0	332.2	332.2
62.5°	867.8	241.6	253.7	279.9	277.8
65°	652.3	197.3	209.4	235.6	237.6
67.5°	481.2	163.1	177.2	195.3	191.3
70°	336.2	136.9	151.0	161.1	157.0
72.5°	223.5	116.8	132.9	136.9	134.9
75°	149.0	102.7	120.8	120.8	118.8
77.5°	96.6	90.6	112.8	110.7	106.7
80°	60.4	80.5	104.7	100.7	96.6
82.5°	36.2	70.5	98.7	94.6	90.6
85°	16.1	62.4	92.6	92.6	90.6
87.5°	6.0	56.4	86.6	88.6	84.6
90°	0.0	48.3	80.5	78.5	72.5
92.5°	0.0	44.3	72.5	66.4	62.4
95°	0.0	38.3	64.4	58.4	54.4
97.5°	0.0	34.2	58.4	52.3	48.3
100°	0.0	30.2	52.3	46.3	42.3
102.5°	0.0	26.2	48.3	42.3	40.3
105°	0.0	24.2	44.3	40.3	36.2
107.5°	0.0	22.1	40.3	36.2	34.2
110°	0.0	18.1	36.2	34.2	32.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.1	32.2	32.2	32.2
115°	0.0	14.1	30.2	30.2	30.2
117.5°	0.0	12.1	26.2	30.2	30.2
120°	0.0	12.1	24.2	28.2	28.2
122.5°	0.0	10.1	22.1	28.2	28.2
125°	0.0	8.1	20.1	26.2	24.2
127.5°	0.0	6.0	18.1	22.1	22.1
130°	0.0	6.0	16.1	20.1	18.1
132.5°	0.0	4.0	14.1	16.1	16.1
135°	0.0	4.0	12.1	14.1	14.1
137.5°	0.0	4.0	10.1	12.1	10.1
140°	0.0	2.0	8.1	10.1	8.1
142.5°	0.0	2.0	8.1	10.1	8.1
145°	0.0	2.0	6.0	8.1	6.0
147.5°	0.0	2.0	4.0	6.0	6.0
150°	0.0	2.0	4.0	6.0	4.0
152.5°	0.0	2.0	4.0	4.0	2.0
155°	0.0	2.0	2.0	4.0	2.0
157.5°	0.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	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)