

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: P218072

Luminaire Tested: **4SNLED-LD5-34SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218072
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3567.0 lumens
Efficiency: N/A
Efficacy: 143.3 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

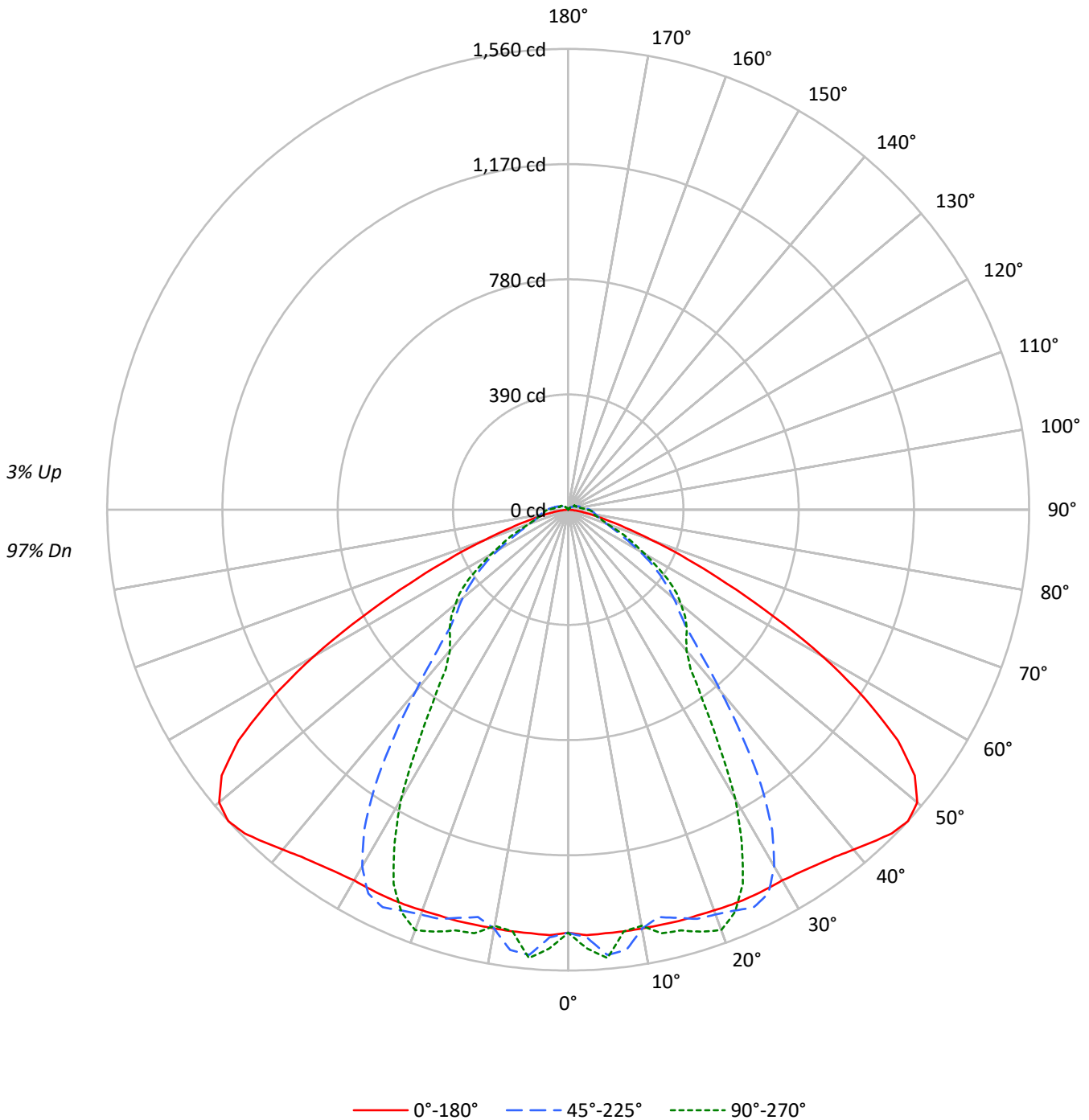
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23080	23080	23080
5°	23201	22985	22662
10°	23383	20847	19898
15°	23781	19930	19397
20°	24379	19714	19040
25°	25267	19656	16948
30°	26323	18198	13345
35°	28038	14776	9247
40°	30519	10436	7116
45°	33886	7422	6466
50°	36819	6235	5697
55°	36089	5122	4749
60°	29943	3876	3552
65°	20689	2805	2611
70°	12878	2131	1789
75°	7272	1818	1417
80°	4104	1701	1218
85°	1827	1647	1221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	3.9
10°-20°	414.7	11.6
20°-30°	658.9	18.5
30°-40°	710.5	19.9
40°-50°	612.3	17.2
50°-60°	463.6	13.0
60°-70°	250.4	7.0
70°-80°	119.0	3.3
80°-90°	74.7	2.1
90°-100°	47.5	1.3
100°-110°	30.4	0.9
110°-120°	20.4	0.6
120°-130°	13.4	0.4
130°-140°	6.6	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°	1214.4	34.0
0°-40°	1924.8	54.0
0°-60°	3000.7	84.1
0°-90°	3444.8	96.6
90°-120°	98.3	2.8
90°-150°	121.1	3.4
90°-180°	122.0	3.4
0°-180°	3567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1440	1471	1513	1533	1524	137
15°	1442	1480	1430	1480	1474	409
25°	1449	1421	1485	1445	1398	670
35°	1467	1412	1139	870	799	924
45°	1549	971	566	560	568	1192
55°	1361	420	374	409	410	1184
65°	591	179	190	214	215	607
75°	135	93	110	110	108	159
85°	15	57	84	84	82	21
90°	0	44	73	71	66	1
95°	0	35	58	53	49	0
105°	0	22	40	36	33	0
115°	0	13	27	27	27	0
125°	0	7	18	24	22	0
135°	0	4	11	13	13	0
145°	0	2	6	7	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°	1432.3	1432.3	1432.3	1432.3	1432.3
2.5°	1441.5	1443.3	1448.8	1476.1	1487.1
5°	1439.6	1470.7	1512.6	1532.7	1523.6
7.5°	1439.6	1503.5	1503.5	1465.2	1439.6
10°	1439.6	1521.8	1439.6	1432.3	1430.5
12.5°	1439.6	1510.8	1412.3	1463.4	1468.8
15°	1441.5	1479.8	1430.5	1479.8	1474.3
17.5°	1441.5	1443.3	1452.4	1490.7	1498.0
20°	1443.3	1419.6	1457.9	1519.9	1514.5
22.5°	1446.9	1415.9	1468.8	1507.2	1474.3
25°	1448.8	1421.4	1485.3	1445.1	1397.7
27.5°	1448.8	1428.7	1465.2	1350.2	1271.8
30°	1448.8	1432.3	1394.0	1218.9	1131.3
32.5°	1456.1	1428.7	1284.6	1047.3	952.5
35°	1467.0	1412.3	1138.6	870.4	799.2
37.5°	1481.6	1368.5	967.1	728.0	680.6
40°	1501.7	1273.6	802.8	636.8	622.2
42.5°	1525.4	1134.9	667.8	591.2	591.2
45°	1549.1	970.7	565.6	560.2	567.5
47.5°	1560.1	810.1	509.1	529.1	536.4
50°	1541.8	660.5	467.1	494.5	498.1
52.5°	1478.0	527.3	419.7	452.5	461.6
55°	1361.2	419.7	374.1	408.7	410.5
57.5°	1191.5	333.9	326.6	354.0	352.2
60°	996.3	270.0	273.7	301.1	301.1
62.5°	786.4	219.0	229.9	253.6	251.8
65°	591.2	178.8	189.8	213.5	215.3
67.5°	436.1	147.8	160.6	177.0	173.3
70°	304.7	124.1	136.8	146.0	142.3
72.5°	202.5	105.8	120.4	124.1	122.3
75°	135.0	93.1	109.5	109.5	107.7
77.5°	87.6	82.1	102.2	100.4	96.7
80°	54.7	73.0	94.9	91.2	87.6
82.5°	32.8	63.9	89.4	85.8	82.1
85°	14.6	56.6	83.9	83.9	82.1
87.5°	5.5	51.1	78.5	80.3	76.6
90°	0.0	43.8	73.0	71.2	65.7
92.5°	0.0	40.1	65.7	60.2	56.6
95°	0.0	34.7	58.4	52.9	49.3
97.5°	0.0	31.0	52.9	47.4	43.8
100°	0.0	27.4	47.4	42.0	38.3
102.5°	0.0	23.7	43.8	38.3	36.5
105°	0.0	21.9	40.1	36.5	32.8
107.5°	0.0	20.1	36.5	32.8	31.0
110°	0.0	16.4	32.8	31.0	29.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.6	29.2	29.2	29.2
115°	0.0	12.8	27.4	27.4	27.4
117.5°	0.0	10.9	23.7	27.4	27.4
120°	0.0	10.9	21.9	25.5	25.5
122.5°	0.0	9.1	20.1	25.5	25.5
125°	0.0	7.3	18.2	23.7	21.9
127.5°	0.0	5.5	16.4	20.1	20.1
130°	0.0	5.5	14.6	18.2	16.4
132.5°	0.0	3.6	12.8	14.6	14.6
135°	0.0	3.6	10.9	12.8	12.8
137.5°	0.0	3.6	9.1	10.9	9.1
140°	0.0	1.8	7.3	9.1	7.3
142.5°	0.0	1.8	7.3	9.1	7.3
145°	0.0	1.8	5.5	7.3	5.5
147.5°	0.0	1.8	3.6	5.5	5.5
150°	0.0	1.8	3.6	5.5	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)