

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: P218073

Luminaire Tested: **4SNLED-LD5-34SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218073
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3638.0 lumens
Efficiency: N/A
Efficacy: 146.1 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

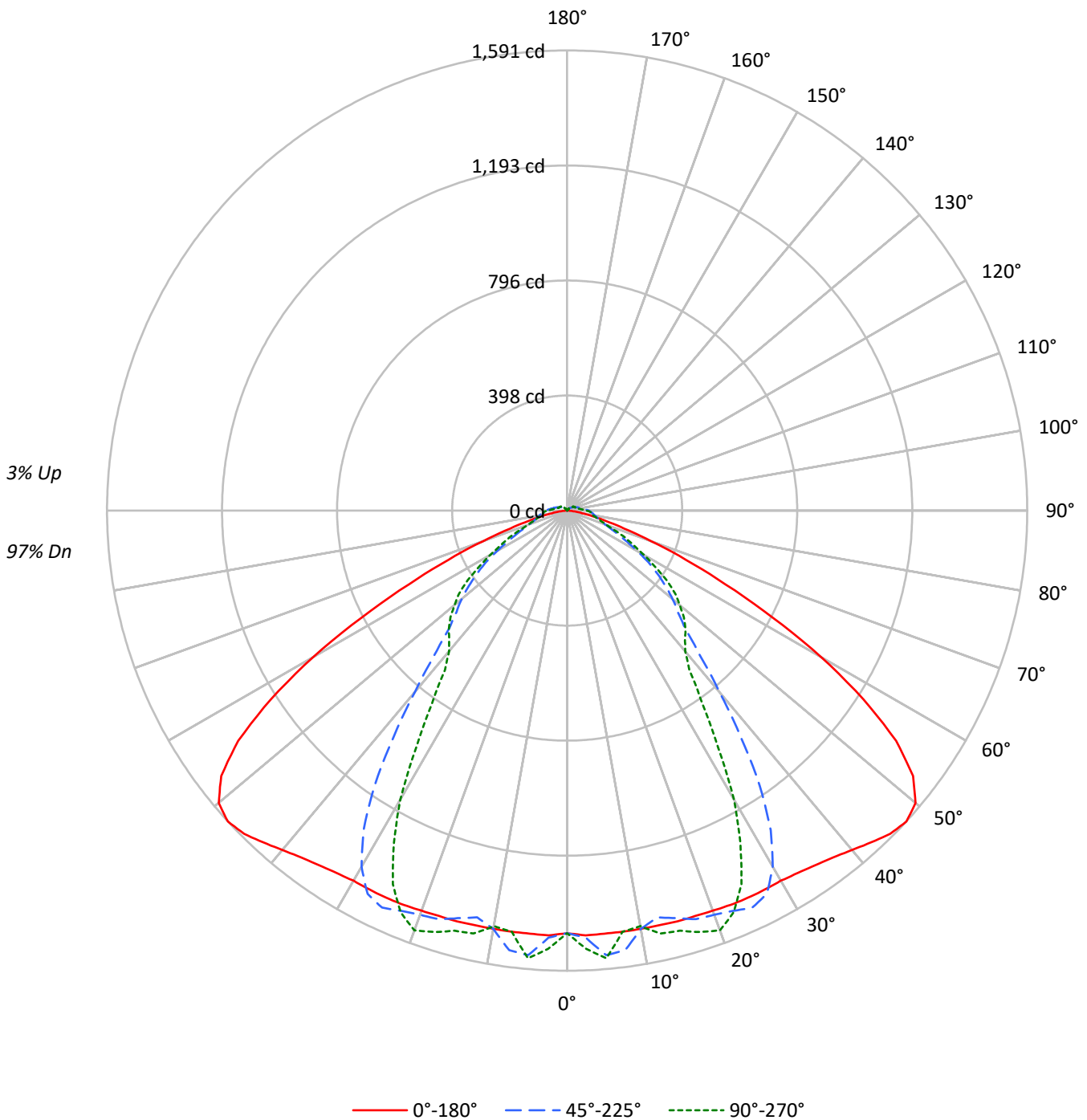
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	56	65	60	56	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°	23540	23540	23540
5°	23664	23443	23113
10°	23849	21263	20294
15°	24255	20327	19784
20°	24864	20106	19419
25°	25769	20046	17285
30°	26846	18561	13610
35°	28596	15069	9431
40°	31127	10644	7258
45°	34562	7570	6595
50°	37552	6360	5810
55°	36807	5223	4844
60°	30538	3952	3623
65°	21102	2860	2663
70°	13136	2175	1825
75°	7417	1855	1445
80°	4187	1735	1242
85°	1865	1680	1245



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	3.9
10°-20°	422.9	11.6
20°-30°	672.0	18.5
30°-40°	724.6	19.9
40°-50°	624.5	17.2
50°-60°	472.8	13.0
60°-70°	255.4	7.0
70°-80°	121.3	3.3
80°-90°	76.2	2.1
90°-100°	48.5	1.3
100°-110°	31.0	0.9
110°-120°	20.8	0.6
120°-130°	13.7	0.4
130°-140°	6.7	0.2
140°-150°	2.9	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1238.5	34.0
0°-40°	1963.1	54.0
0°-60°	3060.5	84.1
0°-90°	3513.4	96.6
90°-120°	100.3	2.8
90°-150°	123.5	3.4
90°-180°	125.0	3.4
0°-180°	3638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1461	1461	1461	1461	1461	
5°	1468	1500	1543	1563	1554	140
15°	1470	1509	1459	1509	1504	417
25°	1478	1450	1515	1474	1426	683
35°	1496	1440	1161	888	815	942
45°	1580	990	577	571	579	1216
55°	1388	428	382	417	419	1207
65°	603	182	194	218	220	619
75°	138	95	112	112	110	162
85°	15	58	86	86	84	21
90°	0	45	74	73	67	1
95°	0	35	60	54	50	0
105°	0	22	41	37	34	0
115°	0	13	28	28	28	0
125°	0	7	19	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°	1460.9	1460.9	1460.9	1460.9	1460.9
2.5°	1470.2	1472.0	1477.6	1505.5	1516.7
5°	1468.3	1499.9	1542.7	1563.2	1553.9
7.5°	1468.3	1533.4	1533.4	1494.4	1468.3
10°	1468.3	1552.0	1468.3	1460.9	1459.0
12.5°	1468.3	1540.9	1440.4	1492.5	1498.1
15°	1470.2	1509.2	1459.0	1509.2	1503.7
17.5°	1470.2	1472.0	1481.3	1520.4	1527.9
20°	1472.0	1447.8	1486.9	1550.2	1544.6
22.5°	1475.7	1444.1	1498.1	1537.2	1503.7
25°	1477.6	1449.7	1514.8	1473.9	1425.5
27.5°	1477.6	1457.1	1494.4	1377.1	1297.1
30°	1477.6	1460.9	1421.8	1243.1	1153.8
32.5°	1485.1	1457.1	1310.1	1068.2	971.4
35°	1496.2	1440.4	1161.2	887.7	815.1
37.5°	1511.1	1395.7	986.3	742.5	694.1
40°	1531.6	1299.0	818.8	649.5	634.6
42.5°	1555.8	1157.5	681.1	603.0	603.0
45°	1580.0	990.0	576.9	571.3	578.8
47.5°	1591.1	826.3	519.2	539.7	547.1
50°	1572.5	673.7	476.4	504.3	508.0
52.5°	1507.4	537.8	428.0	461.5	470.8
55°	1388.3	428.0	381.5	416.9	418.7
57.5°	1215.2	340.6	333.1	361.0	359.2
60°	1016.1	275.4	279.1	307.1	307.1
62.5°	802.1	223.3	234.5	258.7	256.8
65°	603.0	182.4	193.5	217.7	219.6
67.5°	444.8	150.7	163.8	180.5	176.8
70°	310.8	126.5	139.6	148.9	145.2
72.5°	206.6	107.9	122.8	126.5	124.7
75°	137.7	94.9	111.7	111.7	109.8
77.5°	89.3	83.7	104.2	102.4	98.6
80°	55.8	74.4	96.8	93.0	89.3
82.5°	33.5	65.1	91.2	87.5	83.7
85°	14.9	57.7	85.6	85.6	83.7
87.5°	5.6	52.1	80.0	81.9	78.2
90°	0.0	44.7	74.4	72.6	67.0
92.5°	0.0	40.9	67.0	61.4	57.7
95°	0.0	35.4	59.6	54.0	50.2
97.5°	0.0	31.6	54.0	48.4	44.7
100°	0.0	27.9	48.4	42.8	39.1
102.5°	0.0	24.2	44.7	39.1	37.2
105°	0.0	22.3	40.9	37.2	33.5
107.5°	0.0	20.5	37.2	33.5	31.6
110°	0.0	16.7	33.5	31.6	29.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.9	29.8	29.8	29.8
115°	0.0	13.0	27.9	27.9	27.9
117.5°	0.0	11.2	24.2	27.9	27.9
120°	0.0	11.2	22.3	26.1	26.1
122.5°	0.0	9.3	20.5	26.1	26.1
125°	0.0	7.4	18.6	24.2	22.3
127.5°	0.0	5.6	16.7	20.5	20.5
130°	0.0	5.6	14.9	18.6	16.7
132.5°	0.0	3.7	13.0	14.9	14.9
135°	0.0	3.7	11.2	13.0	13.0
137.5°	0.0	3.7	9.3	11.2	9.3
140°	0.0	1.9	7.4	9.3	7.4
142.5°	0.0	1.9	7.4	9.3	7.4
145°	0.0	1.9	5.6	7.4	5.6
147.5°	0.0	1.9	3.7	5.6	5.6
150°	0.0	1.9	3.7	5.6	3.7
152.5°	0.0	1.9	3.7	3.7	1.9
155°	0.0	1.9	1.9	3.7	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)