

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: P218191

Luminaire Tested: **4SNLED-LD5-34SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-34SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3260.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

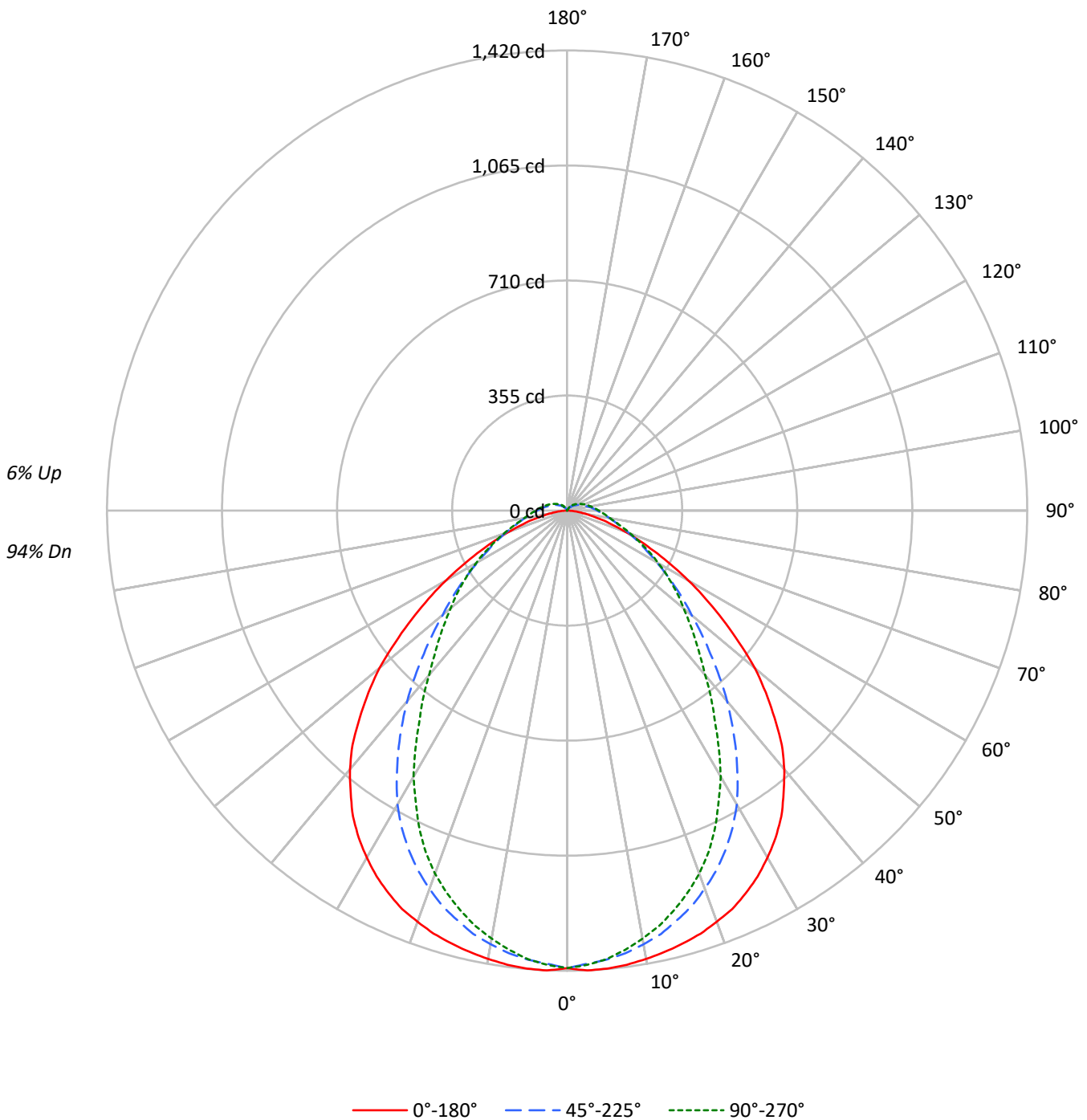
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22749	22749	22749
5°	22864	21140	20667
10°	22821	19674	18658
15°	22809	18234	16789
20°	22803	16792	14986
25°	22735	15297	13099
30°	22467	13677	11184
35°	22027	11791	9200
40°	21189	9980	7583
45°	19799	8204	6360
50°	18046	6695	5363
55°	15528	5526	4570
60°	13007	4524	3829
65°	10338	3757	3166
70°	8056	3158	2612
75°	6108	2680	2170
80°	4254	2371	1864
85°	2578	2157	1687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	4.1
10°-20°	372.5	11.4
20°-30°	539.4	16.5
30°-40°	587.1	18.0
40°-50°	521.4	16.0
50°-60°	396.9	12.2
60°-70°	263.5	8.1
70°-80°	160.6	4.9
80°-90°	99.5	3.1
90°-100°	68.0	2.1
100°-110°	47.7	1.5
110°-120°	32.5	1.0
120°-130°	20.6	0.6
130°-140°	11.7	0.4
140°-150°	5.5	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1044.7	32.0
0°-40°	1631.8	50.1
0°-60°	2550.1	78.2
0°-90°	3073.7	94.3
90°-120°	148.1	4.5
90°-150°	186.0	5.7
90°-180°	186.0	5.7
0°-180°	3260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1419	1410	1391	1398	1390	135
15°	1383	1359	1309	1293	1276	391
25°	1304	1245	1156	1110	1080	600
35°	1152	1049	909	830	795	718
45°	905	770	625	572	558	697
55°	586	476	404	397	395	525
65°	295	254	254	264	261	298
75°	113	129	161	170	165	123
85°	21	65	110	117	113	25
90°	0	48	93	101	98	1
95°	0	38	79	88	86	0
105°	0	24	57	65	65	0
115°	0	16	41	50	48	0
125°	0	10	28	34	34	0
135°	0	7	19	24	24	0
145°	0	3	10	14	14	0
155°	0	0	0	0	0	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°	1411.8	1411.8	1411.8	1411.8	1411.8
2.5°	1420.4	1413.5	1399.8	1408.4	1403.2
5°	1418.7	1410.1	1391.2	1398.1	1389.5
7.5°	1413.5	1403.2	1377.5	1380.9	1367.2
10°	1405.0	1391.2	1358.6	1355.1	1341.4
12.5°	1394.7	1377.5	1338.0	1325.9	1312.2
15°	1382.6	1358.6	1308.8	1293.3	1276.1
17.5°	1368.9	1336.3	1279.6	1255.5	1236.6
20°	1350.0	1310.5	1241.8	1212.6	1192.0
22.5°	1331.1	1279.6	1202.3	1162.8	1140.5
25°	1303.6	1245.2	1155.9	1109.5	1080.3
27.5°	1272.7	1205.7	1104.4	1044.3	1011.6
30°	1236.6	1159.3	1047.7	977.3	948.1
32.5°	1197.1	1107.8	979.0	903.4	870.8
35°	1152.5	1049.4	908.6	829.6	795.2
37.5°	1097.5	985.9	838.2	757.4	730.0
40°	1042.6	918.9	767.7	692.2	663.0
42.5°	980.7	845.0	695.6	626.9	606.3
45°	905.1	769.5	625.2	571.9	558.2
47.5°	831.3	692.2	561.6	523.9	511.8
50°	755.7	616.6	501.5	477.5	468.9
52.5°	668.1	542.7	451.7	436.3	432.8
55°	585.7	475.8	403.6	396.8	395.0
57.5°	506.7	412.2	359.0	364.1	360.7
60°	432.8	353.8	319.5	326.3	324.6
62.5°	360.7	300.6	283.4	297.1	293.7
65°	295.4	254.2	254.2	264.5	261.1
67.5°	238.7	216.4	226.7	237.0	233.6
70°	190.6	182.1	202.7	211.3	207.8
72.5°	147.7	152.9	178.6	188.9	183.8
75°	113.4	128.8	161.4	170.0	164.9
77.5°	80.7	108.2	146.0	152.9	147.7
80°	56.7	91.0	132.3	139.1	134.0
82.5°	36.1	77.3	120.2	127.1	123.7
85°	20.6	65.3	109.9	116.8	113.4
87.5°	10.3	56.7	99.6	108.2	104.8
90°	0.0	48.1	92.7	101.3	97.9
92.5°	0.0	42.9	85.9	94.5	91.0
95°	0.0	37.8	79.0	87.6	85.9
97.5°	0.0	34.4	73.9	82.4	79.0
100°	0.0	29.2	67.0	75.6	73.9
102.5°	0.0	27.5	61.8	70.4	68.7
105°	0.0	24.0	56.7	65.3	65.3
107.5°	0.0	22.3	53.2	61.8	60.1
110°	0.0	18.9	48.1	56.7	56.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.2	44.7	53.2	51.5
115°	0.0	15.5	41.2	49.8	48.1
117.5°	0.0	15.5	37.8	44.7	44.7
120°	0.0	13.7	34.4	41.2	41.2
122.5°	0.0	12.0	30.9	37.8	37.8
125°	0.0	10.3	27.5	34.4	34.4
127.5°	0.0	10.3	25.8	32.6	32.6
130°	0.0	8.6	22.3	29.2	29.2
132.5°	0.0	6.9	20.6	25.8	25.8
135°	0.0	6.9	18.9	24.0	24.0
137.5°	0.0	5.2	15.5	20.6	20.6
140°	0.0	5.2	13.7	18.9	18.9
142.5°	0.0	3.4	12.0	17.2	15.5
145°	0.0	3.4	10.3	13.7	13.7
147.5°	0.0	1.7	8.6	12.0	12.0
150°	0.0	1.7	6.9	10.3	8.6
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)