

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: P218199

Luminaire Tested: **4SNLED-LD5-41SL-LN-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218199
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-LD5-41SL-LN-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3894.0 lumens
Efficiency: N/A
Efficacy: 127.3 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

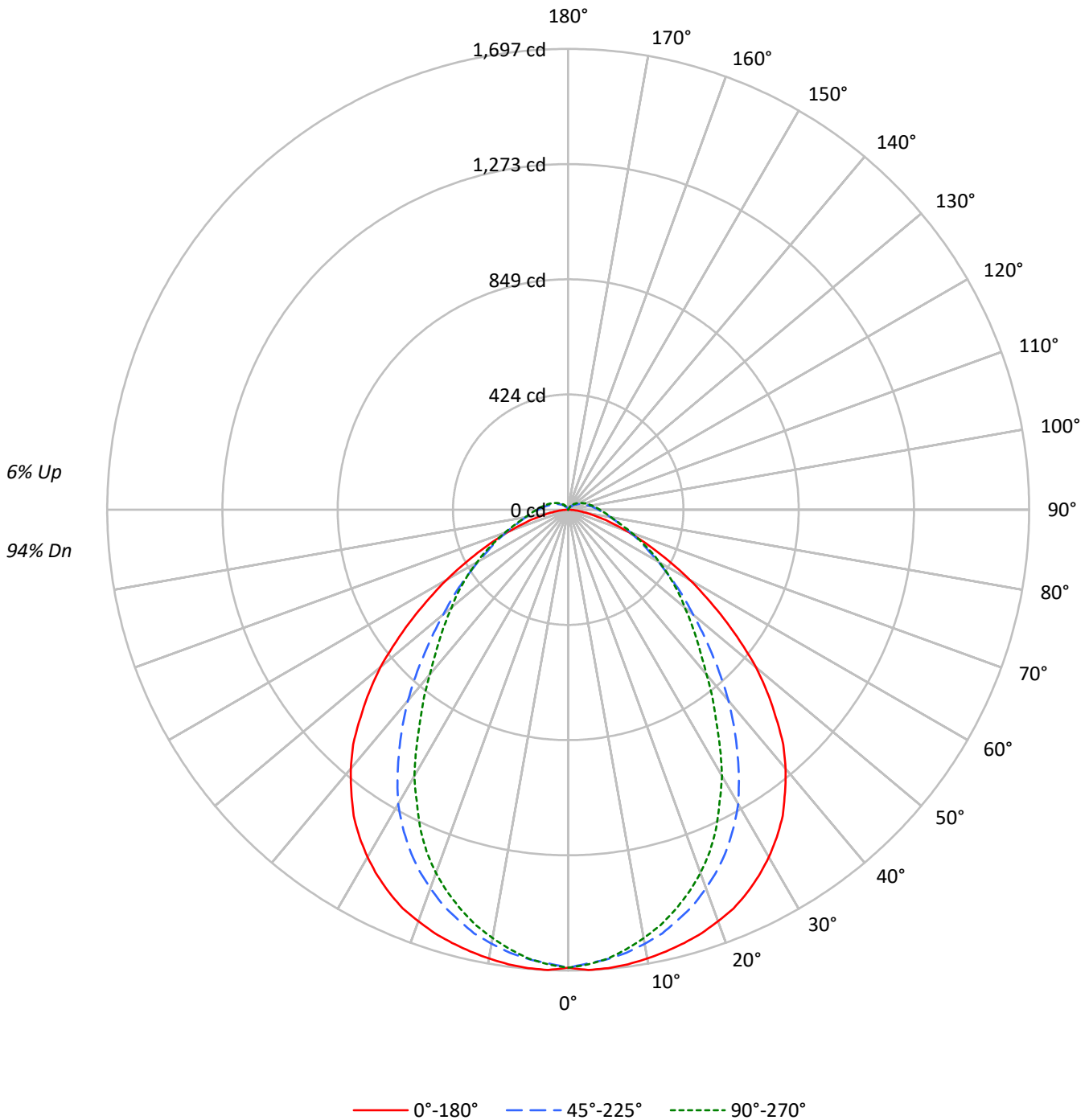
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27174	27174	27174
5°	27311	25253	24686
10°	27258	23500	22287
15°	27246	21780	20055
20°	27237	20058	17900
25°	27156	18272	15647
30°	26837	16338	13359
35°	26310	14084	10990
40°	25308	11922	9057
45°	23651	9800	7598
50°	21557	7998	6406
55°	18548	6600	5460
60°	15538	5404	4573
65°	12350	4487	3781
70°	9624	3772	3120
75°	7293	3202	2592
80°	5080	2832	2226
85°	3079	2577	2014



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	4.1
10°-20°	445.0	11.4
20°-30°	644.3	16.5
30°-40°	701.3	18.0
40°-50°	622.8	16.0
50°-60°	474.1	12.2
60°-70°	314.8	8.1
70°-80°	191.8	4.9
80°-90°	118.8	3.1
90°-100°	81.2	2.1
100°-110°	57.0	1.5
110°-120°	38.8	1.0
120°-130°	24.6	0.6
130°-140°	14.0	0.4
140°-150°	6.6	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1247.8	32.0
0°-40°	1949.1	50.1
0°-60°	3046.0	78.2
0°-90°	3671.4	94.3
90°-120°	176.9	4.5
90°-150°	222.1	5.7
90°-180°	223.0	5.7
0°-180°	3894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1686	1686	1686	1686	1686	
5°	1695	1684	1662	1670	1660	161
15°	1652	1623	1563	1545	1524	467
25°	1557	1487	1381	1325	1290	717
35°	1377	1254	1085	991	950	858
45°	1081	919	747	683	667	833
55°	700	568	482	474	472	628
65°	353	304	304	316	312	356
75°	135	154	193	203	197	146
85°	25	78	131	140	135	29
90°	0	57	111	121	117	2
95°	0	45	94	105	103	0
105°	0	29	68	78	78	0
115°	0	18	49	60	57	0
125°	0	12	33	41	41	0
135°	0	8	23	29	29	0
145°	0	4	12	16	16	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°	1686.4	1686.4	1686.4	1686.4	1686.4
2.5°	1696.7	1688.4	1672.0	1682.3	1676.1
5°	1694.6	1684.3	1661.8	1670.0	1659.7
7.5°	1688.4	1676.1	1645.4	1649.5	1633.1
10°	1678.2	1661.8	1622.8	1618.7	1602.3
12.5°	1665.9	1645.4	1598.2	1583.8	1567.4
15°	1651.5	1622.8	1563.3	1544.8	1524.3
17.5°	1635.1	1596.1	1528.4	1499.7	1477.1
20°	1612.5	1565.4	1483.3	1448.4	1423.8
22.5°	1590.0	1528.4	1436.1	1388.9	1362.2
25°	1557.1	1487.4	1380.7	1325.3	1290.4
27.5°	1520.2	1440.2	1319.2	1247.4	1208.4
30°	1477.1	1384.8	1251.5	1167.3	1132.5
32.5°	1429.9	1323.3	1169.4	1079.1	1040.1
35°	1376.6	1253.5	1085.3	990.9	949.9
37.5°	1311.0	1177.6	1001.2	904.7	871.9
40°	1245.3	1097.6	917.1	826.8	791.9
42.5°	1171.5	1009.4	830.9	748.8	724.2
45°	1081.2	919.1	746.8	683.2	666.8
47.5°	993.0	826.8	670.9	625.7	611.4
50°	902.7	736.5	599.1	570.3	560.1
52.5°	798.1	648.3	539.6	521.1	517.0
55°	699.6	568.3	482.1	473.9	471.9
57.5°	605.2	492.4	428.8	434.9	430.8
60°	517.0	422.6	381.6	389.8	387.7
62.5°	430.8	359.0	338.5	354.9	350.8
65°	352.9	303.6	303.6	315.9	311.8
67.5°	285.2	258.5	270.8	283.1	279.0
70°	227.7	217.5	242.1	252.3	248.2
72.5°	176.4	182.6	213.4	225.7	219.5
75°	135.4	153.9	192.8	203.1	197.0
77.5°	96.4	129.2	174.4	182.6	176.4
80°	67.7	108.7	158.0	166.2	160.0
82.5°	43.1	92.3	143.6	151.8	147.7
85°	24.6	78.0	131.3	139.5	135.4
87.5°	12.3	67.7	119.0	129.2	125.1
90°	0.0	57.4	110.8	121.0	116.9
92.5°	0.0	51.3	102.6	112.8	108.7
95°	0.0	45.1	94.4	104.6	102.6
97.5°	0.0	41.0	88.2	98.5	94.4
100°	0.0	34.9	80.0	90.3	88.2
102.5°	0.0	32.8	73.9	84.1	82.1
105°	0.0	28.7	67.7	78.0	78.0
107.5°	0.0	26.7	63.6	73.9	71.8
110°	0.0	22.6	57.4	67.7	67.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.5	53.3	63.6	61.5
115°	0.0	18.5	49.2	59.5	57.4
117.5°	0.0	18.5	45.1	53.3	53.3
120°	0.0	16.4	41.0	49.2	49.2
122.5°	0.0	14.4	36.9	45.1	45.1
125°	0.0	12.3	32.8	41.0	41.0
127.5°	0.0	12.3	30.8	39.0	39.0
130°	0.0	10.3	26.7	34.9	34.9
132.5°	0.0	8.2	24.6	30.8	30.8
135°	0.0	8.2	22.6	28.7	28.7
137.5°	0.0	6.2	18.5	24.6	24.6
140°	0.0	6.2	16.4	22.6	22.6
142.5°	0.0	4.1	14.4	20.5	18.5
145°	0.0	4.1	12.3	16.4	16.4
147.5°	0.0	2.1	10.3	14.4	14.4
150°	0.0	2.1	8.2	12.3	10.3
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)