

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: P218076

Luminaire Tested: **4SNLED-LD5-37SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218076
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-LD5-37SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3913.9 lumens
Efficiency: N/A
Efficacy: 141.3 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

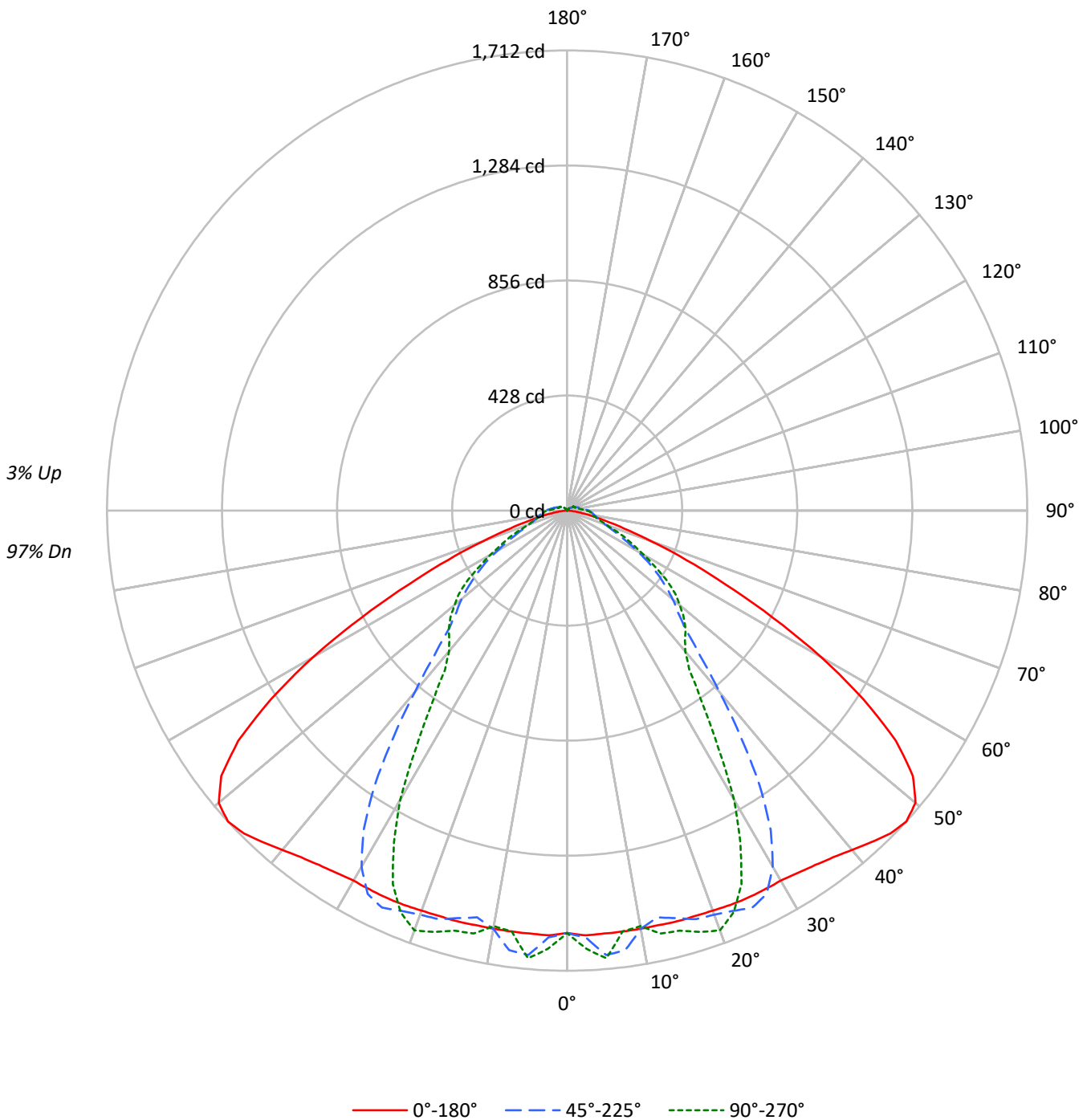
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25326	25326	25326
5°	25459	25222	24866
10°	25659	22876	21834
15°	26094	21869	21284
20°	26750	21632	20892
25°	27724	21568	18595
30°	28882	19968	14642
35°	30765	16213	10146
40°	33488	11451	7808
45°	37183	8145	7095
50°	40401	6843	6252
55°	39599	5619	5212
60°	32855	4252	3897
65°	22701	3077	2865
70°	14133	2340	1964
75°	7983	1994	1554
80°	4509	1866	1337
85°	2003	1808	1340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	3.9
10°-20°	455.0	11.6
20°-30°	723.0	18.5
30°-40°	779.6	19.9
40°-50°	671.9	17.2
50°-60°	508.7	13.0
60°-70°	274.8	7.0
70°-80°	130.5	3.3
80°-90°	82.0	2.1
90°-100°	52.2	1.3
100°-110°	33.3	0.9
110°-120°	22.3	0.6
120°-130°	14.7	0.4
130°-140°	7.2	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°	1332.5	34.0
0°-40°	2112.1	54.0
0°-60°	3292.7	84.1
0°-90°	3779.9	96.6
90°-120°	107.8	2.8
90°-150°	132.8	3.4
90°-180°	134.0	3.4
0°-180°	3913.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1580	1614	1660	1682	1672	151
15°	1582	1624	1570	1624	1618	448
25°	1590	1560	1630	1586	1534	735
35°	1610	1550	1249	955	877	1014
45°	1700	1065	621	615	623	1308
55°	1494	460	410	448	450	1299
65°	649	196	208	234	236	666
75°	148	102	120	120	118	175
85°	16	62	92	92	90	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°	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1581.7	1583.7	1589.7	1619.7	1631.8
5°	1579.7	1613.7	1659.8	1681.8	1671.8
7.5°	1579.7	1649.8	1649.8	1607.7	1579.7
10°	1579.7	1669.8	1579.7	1571.7	1569.7
12.5°	1579.7	1657.8	1549.7	1605.7	1611.7
15°	1581.7	1623.7	1569.7	1623.7	1617.7
17.5°	1581.7	1583.7	1593.7	1635.8	1643.8
20°	1583.7	1557.7	1599.7	1667.8	1661.8
22.5°	1587.7	1553.7	1611.7	1653.8	1617.7
25°	1589.7	1559.7	1629.8	1585.7	1533.6
27.5°	1589.7	1567.7	1607.7	1481.6	1395.5
30°	1589.7	1571.7	1529.6	1337.4	1241.3
32.5°	1597.7	1567.7	1409.5	1149.2	1045.1
35°	1609.7	1549.7	1249.3	955.0	876.9
37.5°	1625.7	1501.6	1061.1	798.9	746.8
40°	1647.8	1397.5	880.9	698.8	682.7
42.5°	1673.8	1245.3	732.8	648.7	648.7
45°	1699.8	1065.1	620.7	614.7	622.7
47.5°	1711.8	889.0	558.6	580.6	588.6
50°	1691.8	724.8	512.6	542.6	546.6
52.5°	1621.7	578.6	460.5	496.5	506.5
55°	1493.6	460.5	410.4	448.5	450.5
57.5°	1307.4	366.4	358.4	388.4	386.4
60°	1093.2	296.3	300.3	330.4	330.4
62.5°	862.9	240.3	252.3	278.3	276.3
65°	648.7	196.2	208.2	234.3	236.3
67.5°	478.5	162.2	176.2	194.2	190.2
70°	334.4	136.1	150.2	160.2	156.2
72.5°	222.2	116.1	132.1	136.1	134.1
75°	148.2	102.1	120.1	120.1	118.1
77.5°	96.1	90.1	112.1	110.1	106.1
80°	60.1	80.1	104.1	100.1	96.1
82.5°	36.0	70.1	98.1	94.1	90.1
85°	16.0	62.1	92.1	92.1	90.1
87.5°	6.0	56.1	86.1	88.1	84.1
90°	0.0	48.1	80.1	78.1	72.1
92.5°	0.0	44.0	72.1	66.1	62.1
95°	0.0	38.0	64.1	58.1	54.1
97.5°	0.0	34.0	58.1	52.1	48.1
100°	0.0	30.0	52.1	46.0	42.0
102.5°	0.0	26.0	48.1	42.0	40.0
105°	0.0	24.0	44.0	40.0	36.0
107.5°	0.0	22.0	40.0	36.0	34.0
110°	0.0	18.0	36.0	34.0	32.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.0	32.0	32.0	32.0
115°	0.0	14.0	30.0	30.0	30.0
117.5°	0.0	12.0	26.0	30.0	30.0
120°	0.0	12.0	24.0	28.0	28.0
122.5°	0.0	10.0	22.0	28.0	28.0
125°	0.0	8.0	20.0	26.0	24.0
127.5°	0.0	6.0	18.0	22.0	22.0
130°	0.0	6.0	16.0	20.0	18.0
132.5°	0.0	4.0	14.0	16.0	16.0
135°	0.0	4.0	12.0	14.0	14.0
137.5°	0.0	4.0	10.0	12.0	10.0
140°	0.0	2.0	8.0	10.0	8.0
142.5°	0.0	2.0	8.0	10.0	8.0
145°	0.0	2.0	6.0	8.0	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)