

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: P218122

Luminaire Tested: **4SNLED-LD5-76HL-LC-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218122
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-LD5-76HL-LC-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8494.0 lumens
Efficiency: N/A
Efficacy: 137.4 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

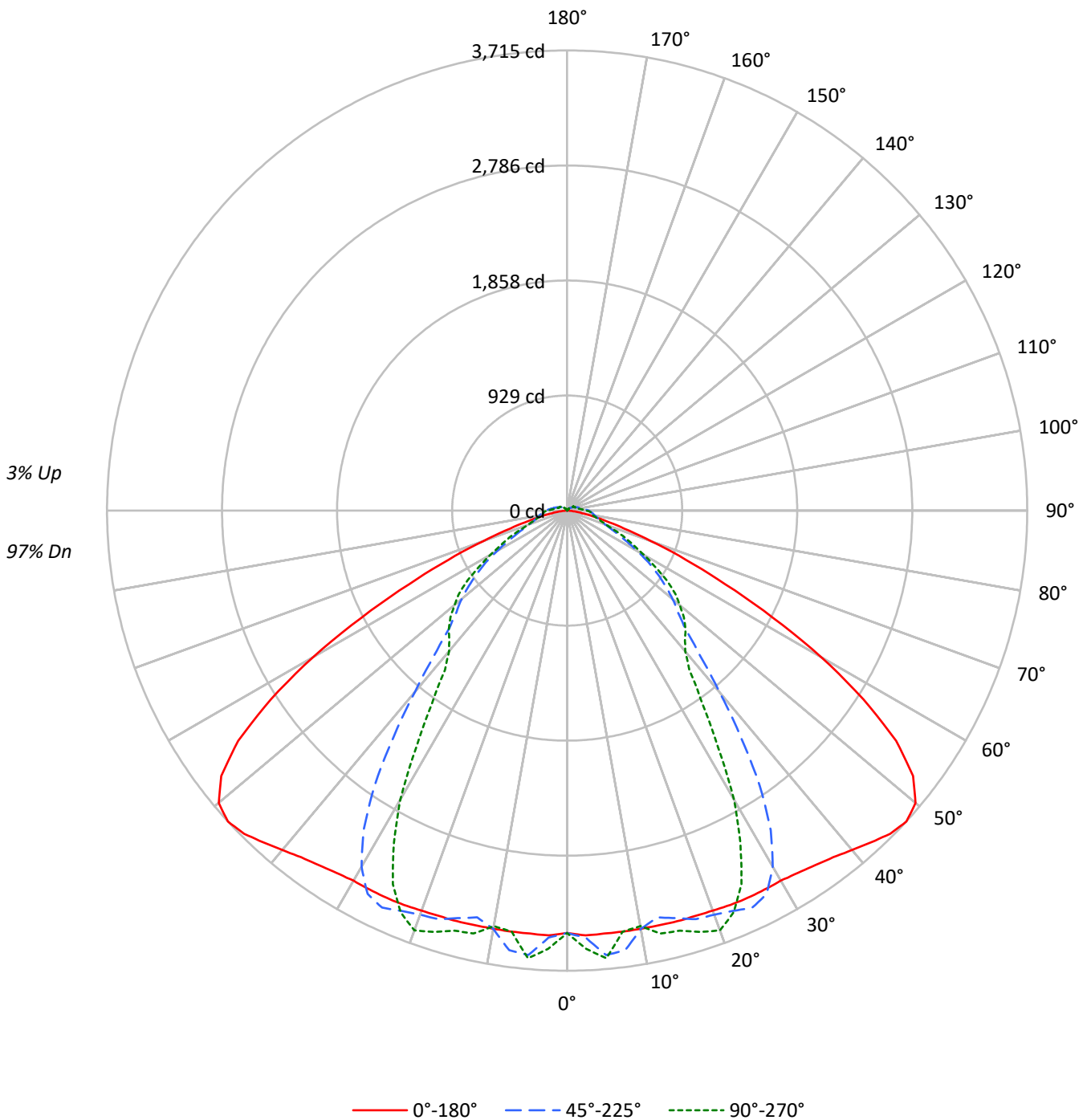
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54960	54960	54960
5°	55250	54736	53964
10°	55683	49645	47383
15°	56628	47460	46189
20°	58053	46944	45338
25°	60166	46805	40357
30°	62679	43336	31777
35°	66767	35186	22019
40°	72673	24853	16946
45°	80694	17674	15397
50°	87676	14848	13567
55°	85938	12194	11311
60°	71300	9228	8457
65°	49266	6679	6217
70°	30668	5078	4261
75°	17318	4329	3373
80°	9776	4049	2902
85°	4355	3923	2908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.3	3.9
10°-20°	987.4	11.6
20°-30°	1569.0	18.5
30°-40°	1691.8	19.9
40°-50°	1458.2	17.2
50°-60°	1103.9	13.0
60°-70°	596.4	7.0
70°-80°	283.2	3.3
80°-90°	177.8	2.1
90°-100°	113.2	1.3
100°-110°	72.4	0.9
110°-120°	48.5	0.6
120°-130°	32.0	0.4
130°-140°	15.7	0.2
140°-150°	6.6	0.1
150°-160°	2.4	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2891.7	34.0
0°-40°	4583.5	54.0
0°-60°	7145.6	84.1
0°-90°	8203.1	96.6
90°-120°	234.1	2.8
90°-150°	288.4	3.4
90°-180°	291.0	3.4
0°-180°	8494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3411	3411	3411	3411	3411	
5°	3428	3502	3602	3650	3628	327
15°	3432	3524	3406	3524	3511	973
25°	3450	3385	3537	3441	3328	1596
35°	3493	3363	2711	2073	1903	2200
45°	3689	2312	1347	1334	1351	2840
55°	3241	999	891	973	978	2819
65°	1408	426	452	508	513	1446
75°	322	222	261	261	256	379
85°	35	135	200	200	196	50
90°	0	104	174	170	156	2
95°	0	83	139	126	117	0
105°	0	52	96	87	78	0
115°	0	30	65	65	65	0
125°	0	17	43	56	52	0
135°	0	9	26	30	30	0
145°	0	4	13	17	13	0
155°	0	4	4	9	4	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°	3410.8	3410.8	3410.8	3410.8	3410.8
2.5°	3432.5	3436.9	3449.9	3515.1	3541.2
5°	3428.2	3502.1	3602.0	3649.8	3628.1
7.5°	3428.2	3580.3	3580.3	3489.0	3428.2
10°	3428.2	3623.7	3428.2	3410.8	3406.5
12.5°	3428.2	3597.6	3363.0	3484.7	3497.7
15°	3432.5	3523.8	3406.5	3523.8	3510.7
17.5°	3432.5	3436.9	3458.6	3549.9	3567.2
20°	3436.9	3380.4	3471.6	3619.4	3606.3
22.5°	3445.6	3371.7	3497.7	3589.0	3510.7
25°	3449.9	3384.7	3536.8	3441.2	3328.3
27.5°	3449.9	3402.1	3489.0	3215.3	3028.5
30°	3449.9	3410.8	3319.6	2902.5	2693.9
32.5°	3467.3	3402.1	3058.9	2494.0	2268.1
35°	3493.4	3363.0	2711.3	2072.6	1903.1
37.5°	3528.1	3258.7	2302.8	1733.6	1620.7
40°	3575.9	3032.8	1911.8	1516.4	1481.6
42.5°	3632.4	2702.6	1590.3	1407.8	1407.8
45°	3688.9	2311.5	1346.9	1333.9	1351.3
47.5°	3715.0	1929.2	1212.3	1260.0	1277.4
50°	3671.5	1572.9	1112.3	1177.5	1186.2
52.5°	3519.4	1255.7	999.3	1077.6	1099.3
55°	3241.4	999.3	890.7	973.3	977.6
57.5°	2837.3	795.1	777.8	842.9	838.6
60°	2372.4	643.1	651.7	716.9	716.9
62.5°	1872.7	521.4	547.5	604.0	599.6
65°	1407.8	425.8	451.9	508.4	512.7
67.5°	1038.5	351.9	382.4	421.5	412.8
70°	725.6	295.5	325.9	347.6	338.9
72.5°	482.3	252.0	286.8	295.5	291.1
75°	321.5	221.6	260.7	260.7	256.4
77.5°	208.6	195.5	243.3	239.0	230.3
80°	130.3	173.8	225.9	217.2	208.6
82.5°	78.2	152.1	212.9	204.2	195.5
85°	34.8	134.7	199.9	199.9	195.5
87.5°	13.0	121.7	186.8	191.2	182.5
90°	0.0	104.3	173.8	169.5	156.4
92.5°	0.0	95.6	156.4	143.4	134.7
95°	0.0	82.6	139.0	126.0	117.3
97.5°	0.0	73.9	126.0	113.0	104.3
100°	0.0	65.2	113.0	99.9	91.2
102.5°	0.0	56.5	104.3	91.2	86.9
105°	0.0	52.1	95.6	86.9	78.2
107.5°	0.0	47.8	86.9	78.2	73.9
110°	0.0	39.1	78.2	73.9	69.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.8	69.5	69.5	69.5
115°	0.0	30.4	65.2	65.2	65.2
117.5°	0.0	26.1	56.5	65.2	65.2
120°	0.0	26.1	52.1	60.8	60.8
122.5°	0.0	21.7	47.8	60.8	60.8
125°	0.0	17.4	43.4	56.5	52.1
127.5°	0.0	13.0	39.1	47.8	47.8
130°	0.0	13.0	34.8	43.4	39.1
132.5°	0.0	8.7	30.4	34.8	34.8
135°	0.0	8.7	26.1	30.4	30.4
137.5°	0.0	8.7	21.7	26.1	21.7
140°	0.0	4.3	17.4	21.7	17.4
142.5°	0.0	4.3	17.4	21.7	17.4
145°	0.0	4.3	13.0	17.4	13.0
147.5°	0.0	4.3	8.7	13.0	13.0
150°	0.0	4.3	8.7	13.0	8.7
152.5°	0.0	4.3	8.7	8.7	4.3
155°	0.0	4.3	4.3	8.7	4.3
157.5°	0.0	4.3	4.3	4.3	4.3
160°	4.3	4.3	4.3	4.3	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)