

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: P218121

Luminaire Tested: **4SNLED-LD5-76HL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218121
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7851.9 lumens
Efficiency: N/A
Efficacy: 127.1 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

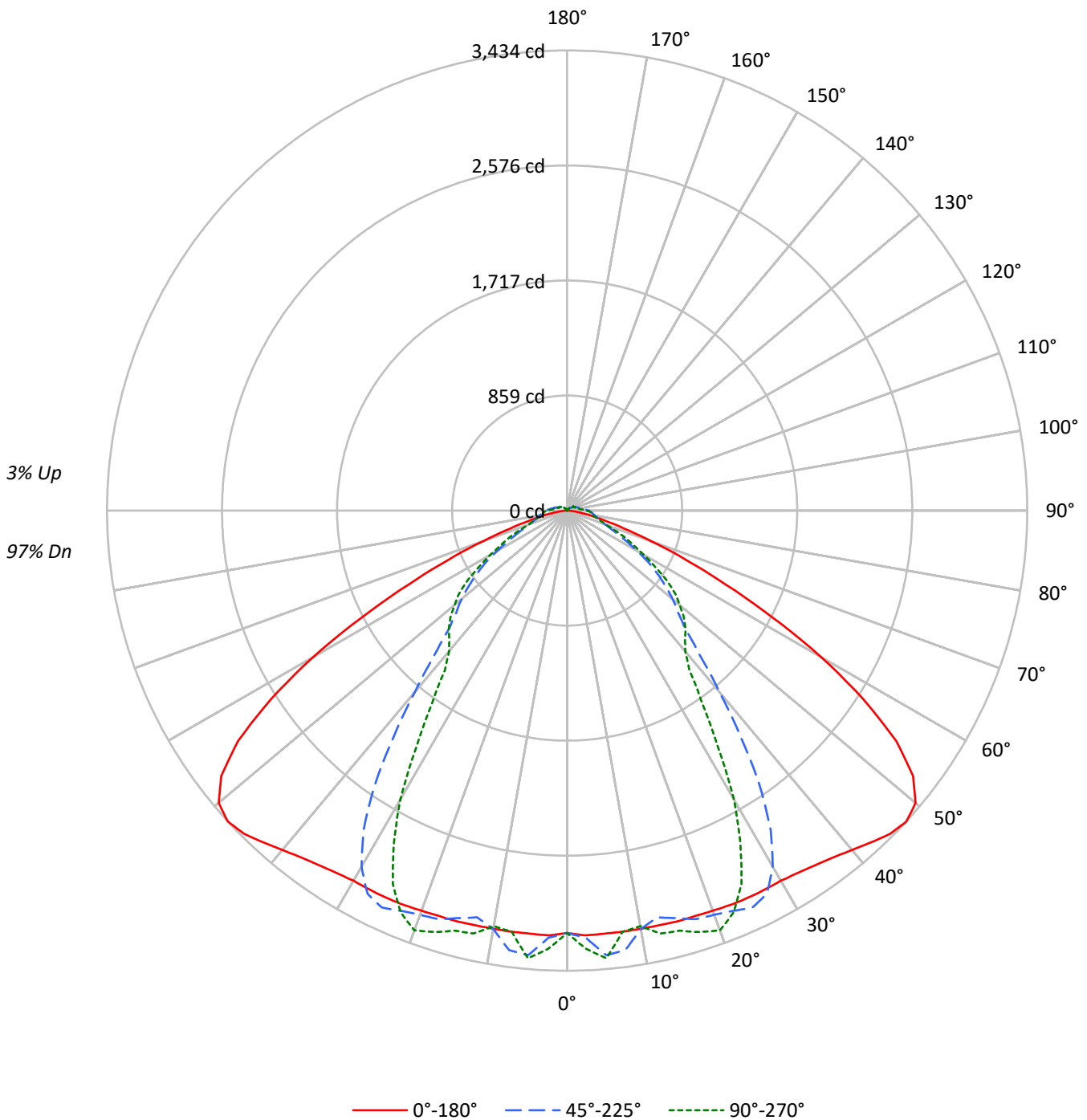
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50806	50806	50806
5°	51074	50598	49884
10°	51475	45893	43801
15°	52348	43872	42699
20°	53665	43396	41912
25°	55619	43268	37306
30°	57943	40060	29376
35°	61720	32525	20355
40°	67179	22974	15666
45°	74595	16338	14233
50°	81049	13726	12541
55°	79442	11273	10456
60°	65911	8532	7817
65°	45542	6174	5747
70°	28351	4693	3939
75°	16009	4002	3118
80°	9041	3744	2682
85°	4018	3627	2688



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.9	3.9
10°-20°	912.8	11.6
20°-30°	1450.4	18.5
30°-40°	1563.9	19.9
40°-50°	1347.9	17.2
50°-60°	1020.5	13.0
60°-70°	551.3	7.0
70°-80°	261.8	3.3
80°-90°	164.4	2.1
90°-100°	104.6	1.3
100°-110°	66.9	0.9
110°-120°	44.8	0.6
120°-130°	29.6	0.4
130°-140°	14.5	0.2
140°-150°	6.1	0.1
150°-160°	2.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2673.2	34.0
0°-40°	4237.1	54.0
0°-60°	6605.5	84.1
0°-90°	7583.0	96.6
90°-120°	216.3	2.8
90°-150°	266.5	3.4
90°-180°	269.0	3.4
0°-180°	7851.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3153	3153	3153	3153	3153	
5°	3169	3237	3330	3374	3354	303
15°	3173	3257	3149	3257	3245	899
25°	3189	3129	3270	3181	3077	1475
35°	3229	3109	2506	1916	1759	2034
45°	3410	2137	1245	1233	1249	2625
55°	2996	924	823	900	904	2606
65°	1301	394	418	470	474	1336
75°	297	205	241	241	237	350
85°	32	124	185	185	181	46
90°	0	96	161	157	145	2
95°	0	76	128	116	108	0
105°	0	48	88	80	72	0
115°	0	28	60	60	60	0
125°	0	16	40	52	48	0
135°	0	8	24	28	28	0
145°	0	4	12	16	12	0
155°	0	4	4	8	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°	3153.0	3153.0	3153.0	3153.0	3153.0
2.5°	3173.1	3177.1	3189.2	3249.4	3273.5
5°	3169.1	3237.4	3329.7	3373.9	3353.8
7.5°	3169.1	3309.7	3309.7	3225.3	3169.1
10°	3169.1	3349.8	3169.1	3153.0	3149.0
12.5°	3169.1	3325.7	3108.8	3221.3	3233.3
15°	3173.1	3257.4	3149.0	3257.4	3245.4
17.5°	3173.1	3177.1	3197.2	3281.5	3297.6
20°	3177.1	3124.9	3209.2	3345.8	3333.8
22.5°	3185.1	3116.9	3233.3	3317.7	3245.4
25°	3189.2	3128.9	3269.5	3181.1	3076.7
27.5°	3189.2	3145.0	3225.3	2972.3	2799.6
30°	3189.2	3153.0	3068.7	2683.1	2490.3
32.5°	3205.2	3145.0	2827.7	2305.5	2096.7
35°	3229.3	3108.8	2506.3	1915.9	1759.3
37.5°	3261.5	3012.4	2128.8	1602.6	1498.2
40°	3305.6	2803.6	1767.3	1401.8	1369.7
42.5°	3357.9	2498.3	1470.1	1301.4	1301.4
45°	3410.1	2136.8	1245.1	1233.1	1249.2
47.5°	3434.2	1783.4	1120.6	1164.8	1180.9
50°	3394.0	1454.0	1028.2	1088.5	1096.5
52.5°	3253.4	1160.8	923.8	996.1	1016.2
55°	2996.4	923.8	823.4	899.7	903.7
57.5°	2622.8	735.0	719.0	779.2	775.2
60°	2193.1	594.5	602.5	662.7	662.7
62.5°	1731.1	482.0	506.1	558.3	554.3
65°	1301.4	393.6	417.7	469.9	474.0
67.5°	960.0	325.3	353.5	389.6	381.6
70°	670.8	273.1	301.2	321.3	313.3
72.5°	445.8	233.0	265.1	273.1	269.1
75°	297.2	204.8	241.0	241.0	237.0
77.5°	192.8	180.7	224.9	220.9	212.9
80°	120.5	160.7	208.9	200.8	192.8
82.5°	72.3	140.6	196.8	188.8	180.7
85°	32.1	124.5	184.8	184.8	180.7
87.5°	12.0	112.5	172.7	176.7	168.7
90°	0.0	96.4	160.7	156.6	144.6
92.5°	0.0	88.4	144.6	132.5	124.5
95°	0.0	76.3	128.5	116.5	108.4
97.5°	0.0	68.3	116.5	104.4	96.4
100°	0.0	60.2	104.4	92.4	84.3
102.5°	0.0	52.2	96.4	84.3	80.3
105°	0.0	48.2	88.4	80.3	72.3
107.5°	0.0	44.2	80.3	72.3	68.3
110°	0.0	36.1	72.3	68.3	64.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.1	64.3	64.3	64.3
115°	0.0	28.1	60.2	60.2	60.2
117.5°	0.0	24.1	52.2	60.2	60.2
120°	0.0	24.1	48.2	56.2	56.2
122.5°	0.0	20.1	44.2	56.2	56.2
125°	0.0	16.1	40.2	52.2	48.2
127.5°	0.0	12.0	36.1	44.2	44.2
130°	0.0	12.0	32.1	40.2	36.1
132.5°	0.0	8.0	28.1	32.1	32.1
135°	0.0	8.0	24.1	28.1	28.1
137.5°	0.0	8.0	20.1	24.1	20.1
140°	0.0	4.0	16.1	20.1	16.1
142.5°	0.0	4.0	16.1	20.1	16.1
145°	0.0	4.0	12.0	16.1	12.0
147.5°	0.0	4.0	8.0	12.0	12.0
150°	0.0	4.0	8.0	12.0	8.0
152.5°	0.0	4.0	8.0	8.0	4.0
155°	0.0	4.0	4.0	8.0	4.0
157.5°	0.0	4.0	4.0	4.0	4.0
160°	4.0	4.0	4.0	4.0	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)