

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: P218120

Luminaire Tested: **4SNLED-LD5-76HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218120  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7699.0 lumens  
Efficiency: N/A  
Efficacy: 124.6 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

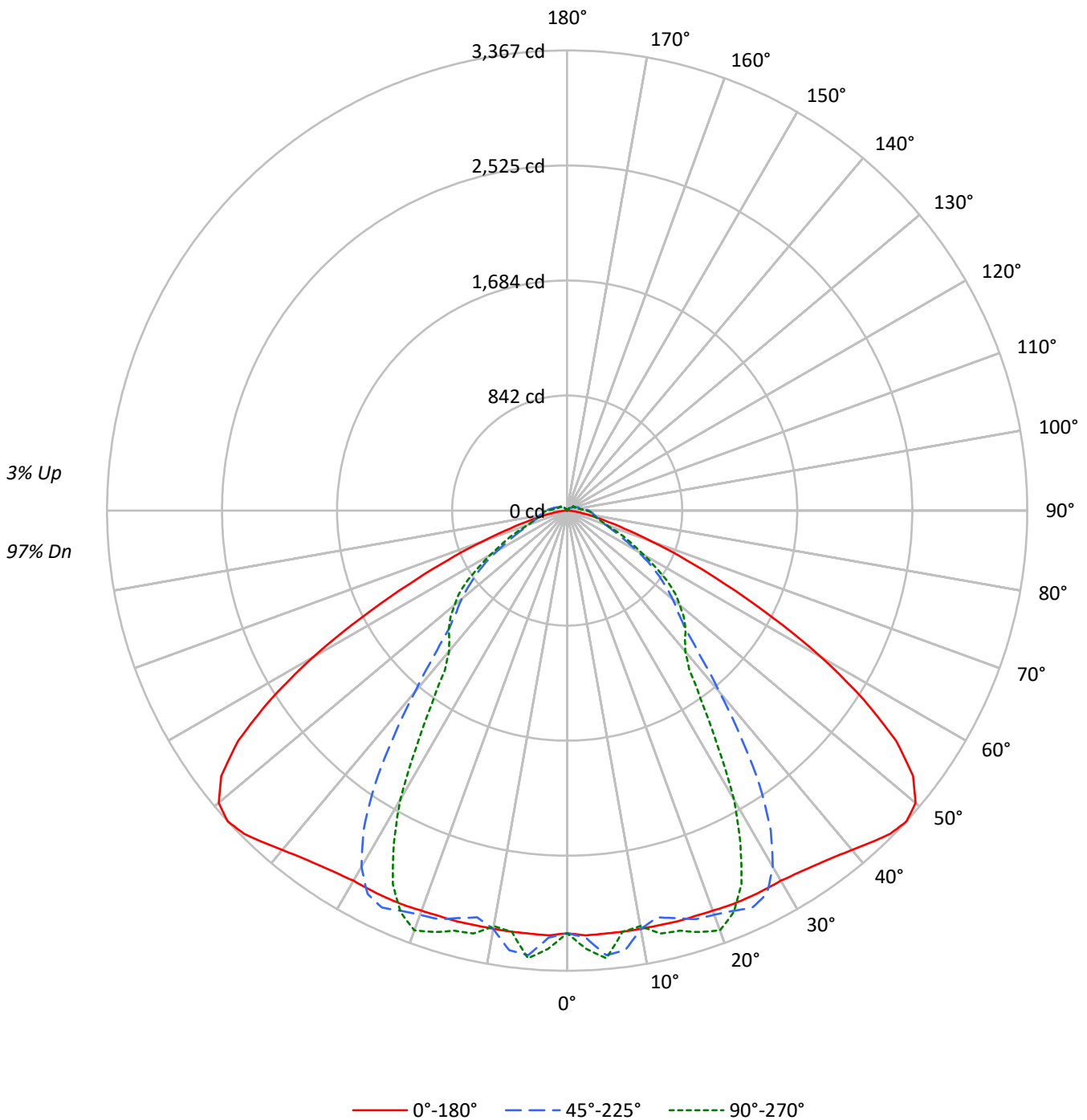
Input Watts (W): 61.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	49817	49817	49817
5°	50078	49613	48913
10°	50471	44998	42947
15°	51329	43017	41867
20°	52619	42551	41095
25°	54535	42425	36578
30°	56813	39280	28803
35°	60518	31892	19958
40°	65871	22527	15361
45°	73141	16021	13955
50°	79471	13459	12298
55°	77894	11054	10252
60°	64625	8365	7665
65°	44654	6054	5635
70°	27798	4602	3862
75°	15696	3924	3058
80°	8861	3670	2629
85°	3942	3556	2636



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.9	3.9
10°-20°	895.0	11.6
20°-30°	1422.2	18.5
30°-40°	1533.4	19.9
40°-50°	1321.7	17.2
50°-60°	1000.6	13.0
60°-70°	540.6	7.0
70°-80°	256.7	3.3
80°-90°	161.2	2.1
90°-100°	102.6	1.3
100°-110°	65.6	0.9
110°-120°	43.9	0.6
120°-130°	29.0	0.4
130°-140°	14.2	0.2
140°-150°	6.0	0.1
150°-160°	2.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2621.1	34.0
0°-40°	4154.5	54.0
0°-60°	6476.8	84.1
0°-90°	7435.3	96.6
90°-120°	212.2	2.8
90°-150°	261.4	3.4
90°-180°	264.0	3.4
0°-180°	7699.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3092	3092	3092	3092	3092	
5°	3107	3174	3265	3308	3288	297
15°	3111	3194	3088	3194	3182	882
25°	3127	3068	3206	3119	3017	1446
35°	3166	3048	2458	1879	1725	1995
45°	3344	2095	1221	1209	1225	2574
55°	2938	906	807	882	886	2555
65°	1276	386	410	461	465	1310
75°	291	201	236	236	232	343
85°	32	122	181	181	177	45
90°	0	94	158	154	142	2
95°	0	75	126	114	106	0
105°	0	47	87	79	71	0
115°	0	28	59	59	59	0
125°	0	16	39	51	47	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°	3091.6	3091.6	3091.6	3091.6	3091.6
2.5°	3111.3	3115.2	3127.0	3186.1	3209.7
5°	3107.3	3174.3	3264.9	3308.2	3288.5
7.5°	3107.3	3245.2	3245.2	3162.5	3107.3
10°	3107.3	3284.6	3107.3	3091.6	3087.6
12.5°	3107.3	3260.9	3048.3	3158.5	3170.3
15°	3111.3	3194.0	3087.6	3194.0	3182.2
17.5°	3111.3	3115.2	3134.9	3217.6	3233.4
20°	3115.2	3064.0	3146.7	3280.6	3268.8
22.5°	3123.1	3056.1	3170.3	3253.0	3182.2
25°	3127.0	3067.9	3205.8	3119.1	3016.7
27.5°	3127.0	3083.7	3162.5	2914.4	2745.0
30°	3127.0	3091.6	3008.9	2630.8	2441.8
32.5°	3142.8	3083.7	2772.6	2260.6	2055.8
35°	3166.4	3048.3	2457.5	1878.6	1725.0
37.5°	3197.9	2953.7	2087.3	1571.4	1469.0
40°	3241.2	2748.9	1732.9	1374.5	1343.0
42.5°	3292.4	2449.6	1441.4	1276.0	1276.0
45°	3343.6	2095.2	1220.9	1209.1	1224.8
47.5°	3367.3	1748.6	1098.8	1142.1	1157.9
50°	3327.9	1425.7	1008.2	1067.3	1075.2
52.5°	3190.0	1138.2	905.8	976.7	996.4
55°	2938.0	905.8	807.4	882.2	886.1
57.5°	2571.7	720.7	705.0	764.0	760.1
60°	2150.3	582.9	590.7	649.8	649.8
62.5°	1697.4	472.6	496.2	547.4	543.5
65°	1276.0	386.0	409.6	460.8	464.7
67.5°	941.3	319.0	346.6	382.0	374.1
70°	657.7	267.8	295.4	315.1	307.2
72.5°	437.2	228.4	259.9	267.8	263.9
75°	291.4	200.9	236.3	236.3	232.4
77.5°	189.0	177.2	220.5	216.6	208.7
80°	118.1	157.5	204.8	196.9	189.0
82.5°	70.9	137.8	193.0	185.1	177.2
85°	31.5	122.1	181.2	181.2	177.2
87.5°	11.8	110.3	169.3	173.3	165.4
90°	0.0	94.5	157.5	153.6	141.8
92.5°	0.0	86.6	141.8	130.0	122.1
95°	0.0	74.8	126.0	114.2	106.3
97.5°	0.0	67.0	114.2	102.4	94.5
100°	0.0	59.1	102.4	90.6	82.7
102.5°	0.0	51.2	94.5	82.7	78.8
105°	0.0	47.3	86.6	78.8	70.9
107.5°	0.0	43.3	78.8	70.9	67.0
110°	0.0	35.4	70.9	67.0	63.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.5	63.0	63.0	63.0
115°	0.0	27.6	59.1	59.1	59.1
117.5°	0.0	23.6	51.2	59.1	59.1
120°	0.0	23.6	47.3	55.1	55.1
122.5°	0.0	19.7	43.3	55.1	55.1
125°	0.0	15.8	39.4	51.2	47.3
127.5°	0.0	11.8	35.4	43.3	43.3
130°	0.0	11.8	31.5	39.4	35.4
132.5°	0.0	7.9	27.6	31.5	31.5
135°	0.0	7.9	23.6	27.6	27.6
137.5°	0.0	7.9	19.7	23.6	19.7
140°	0.0	3.9	15.8	19.7	15.8
142.5°	0.0	3.9	15.8	19.7	15.8
145°	0.0	3.9	11.8	15.8	11.8
147.5°	0.0	3.9	7.9	11.8	11.8
150°	0.0	3.9	7.9	11.8	7.9
152.5°	0.0	3.9	7.9	7.9	3.9
155°	0.0	3.9	3.9	7.9	3.9
157.5°	0.0	3.9	3.9	3.9	3.9
160°	3.9	3.9	3.9	3.9	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)