

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: P218240

Luminaire Tested: **4SNLED-LD5-74HL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218240  
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-LD5-74HL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7474.0 lumens  
Efficiency: N/A  
Efficacy: 120.9 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

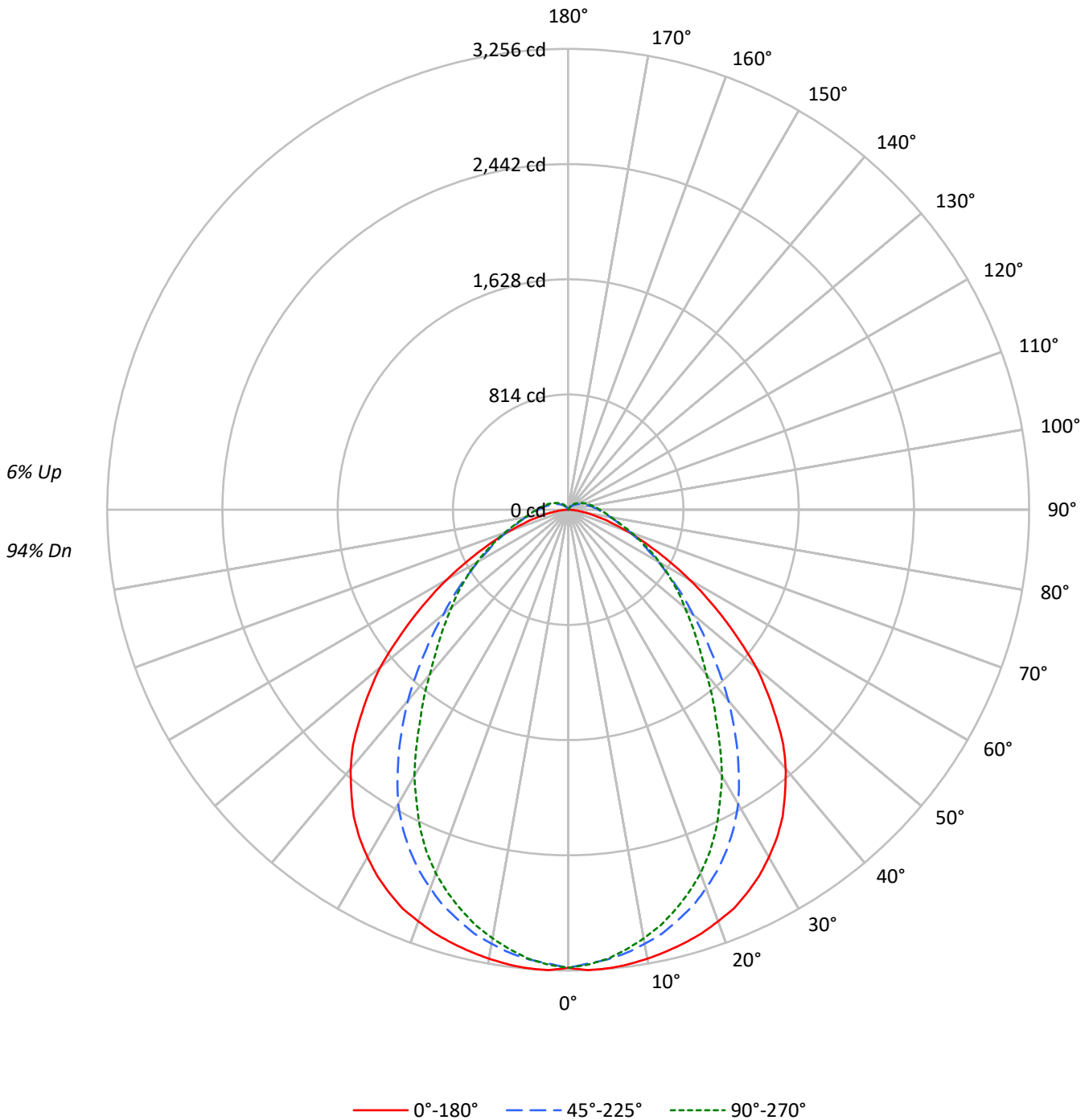
Input Watts (W): 61.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	52157	52157	52157
5°	52420	48469	47382
10°	52319	45105	42778
15°	52295	41803	38493
20°	52278	38498	34357
25°	52123	35071	30032
30°	51511	31357	25640
35°	50499	27033	21094
40°	48576	22882	17385
45°	45395	18808	14582
50°	41375	15349	12295
55°	35601	12669	10479
60°	29823	10371	8779
65°	23702	8614	7257
70°	18474	7240	5991
75°	14000	6146	4973
80°	9746	5434	4272
85°	5920	4946	3866



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.3	4.1
10°-20°	854.0	11.4
20°-30°	1236.7	16.5
30°-40°	1346.0	18.0
40°-50°	1195.4	16.0
50°-60°	909.9	12.2
60°-70°	604.2	8.1
70°-80°	368.1	4.9
80°-90°	228.1	3.1
90°-100°	155.8	2.1
100°-110°	109.3	1.5
110°-120°	74.5	1.0
120°-130°	47.2	0.6
130°-140°	26.9	0.4
140°-150°	12.6	0.2
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2395.1	32.0
0°-40°	3741.1	50.1
0°-60°	5846.4	78.2
0°-90°	7046.8	94.3
90°-120°	339.6	4.5
90°-150°	426.3	5.7
90°-180°	427.0	5.7
0°-180°	7474.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3237	3237	3237	3237	3237	
5°	3253	3233	3190	3205	3186	309
15°	3170	3115	3000	2965	2926	896
25°	2989	2855	2650	2544	2477	1376
35°	2642	2406	2083	1902	1823	1646
45°	2075	1764	1433	1311	1280	1598
55°	1343	1091	925	910	906	1205
65°	677	583	583	606	598	683
75°	260	295	370	390	378	281
85°	47	150	252	268	260	56
90°	0	110	213	232	224	3
95°	0	87	181	201	197	0
105°	0	55	130	150	150	0
115°	0	35	94	114	110	0
125°	0	24	63	79	79	0
135°	0	16	43	55	55	0
145°	0	8	24	32	32	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°	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3256.5	3240.7	3209.2	3228.9	3217.1
5°	3252.6	3232.9	3189.6	3205.3	3185.6
7.5°	3240.7	3217.1	3158.1	3165.9	3134.4
10°	3221.1	3189.6	3114.7	3106.9	3075.4
12.5°	3197.4	3158.1	3067.5	3039.9	3008.4
15°	3169.9	3114.7	3000.5	2965.1	2925.7
17.5°	3138.4	3063.5	2933.6	2878.5	2835.2
20°	3095.0	3004.5	2847.0	2780.0	2732.8
22.5°	3051.7	2933.6	2756.4	2665.8	2614.6
25°	2988.7	2854.8	2650.1	2543.8	2476.8
27.5°	2917.9	2764.3	2532.0	2394.1	2319.3
30°	2835.2	2658.0	2402.0	2240.6	2173.6
32.5°	2744.6	2539.8	2244.5	2071.2	1996.4
35°	2642.2	2405.9	2083.1	1901.9	1823.2
37.5°	2516.2	2260.3	1921.6	1736.5	1673.5
40°	2390.2	2106.7	1760.2	1586.9	1520.0
42.5°	2248.4	1937.4	1594.8	1437.3	1390.0
45°	2075.2	1764.1	1433.3	1311.3	1279.8
47.5°	1905.9	1586.9	1287.6	1201.0	1173.4
50°	1732.6	1413.6	1149.8	1094.7	1075.0
52.5°	1531.8	1244.3	1035.6	1000.2	992.3
55°	1342.8	1090.7	925.4	909.6	905.7
57.5°	1161.6	945.1	823.0	834.8	826.9
60°	992.3	811.2	732.4	748.2	744.2
62.5°	826.9	689.1	649.7	681.2	673.4
65°	677.3	582.8	582.8	606.4	598.5
67.5°	547.3	496.2	519.8	543.4	535.5
70°	437.1	417.4	464.7	484.3	476.5
72.5°	338.6	350.5	409.5	433.1	421.3
75°	259.9	295.3	370.1	389.8	378.0
77.5°	185.1	248.1	334.7	350.5	338.6
80°	129.9	208.7	303.2	319.0	307.1
82.5°	82.7	177.2	275.6	291.4	283.5
85°	47.3	149.6	252.0	267.8	259.9
87.5°	23.6	129.9	228.4	248.1	240.2
90°	0.0	110.3	212.6	232.3	224.5
92.5°	0.0	98.4	196.9	216.6	208.7
95°	0.0	86.6	181.1	200.8	196.9
97.5°	0.0	78.8	169.3	189.0	181.1
100°	0.0	66.9	153.6	173.3	169.3
102.5°	0.0	63.0	141.8	161.4	157.5
105°	0.0	55.1	129.9	149.6	149.6
107.5°	0.0	51.2	122.1	141.8	137.8
110°	0.0	43.3	110.3	129.9	129.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.4	102.4	122.1	118.1
115°	0.0	35.4	94.5	114.2	110.3
117.5°	0.0	35.4	86.6	102.4	102.4
120°	0.0	31.5	78.8	94.5	94.5
122.5°	0.0	27.6	70.9	86.6	86.6
125°	0.0	23.6	63.0	78.8	78.8
127.5°	0.0	23.6	59.1	74.8	74.8
130°	0.0	19.7	51.2	66.9	66.9
132.5°	0.0	15.8	47.3	59.1	59.1
135°	0.0	15.8	43.3	55.1	55.1
137.5°	0.0	11.8	35.4	47.3	47.3
140°	0.0	11.8	31.5	43.3	43.3
142.5°	0.0	7.9	27.6	39.4	35.4
145°	0.0	7.9	23.6	31.5	31.5
147.5°	0.0	3.9	19.7	27.6	27.6
150°	0.0	3.9	15.8	23.6	19.7
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)