

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: P218241

Luminaire Tested: **4SNLED-LD5-74HL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218241
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7623.0 lumens
Efficiency: N/A
Efficacy: 123.3 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

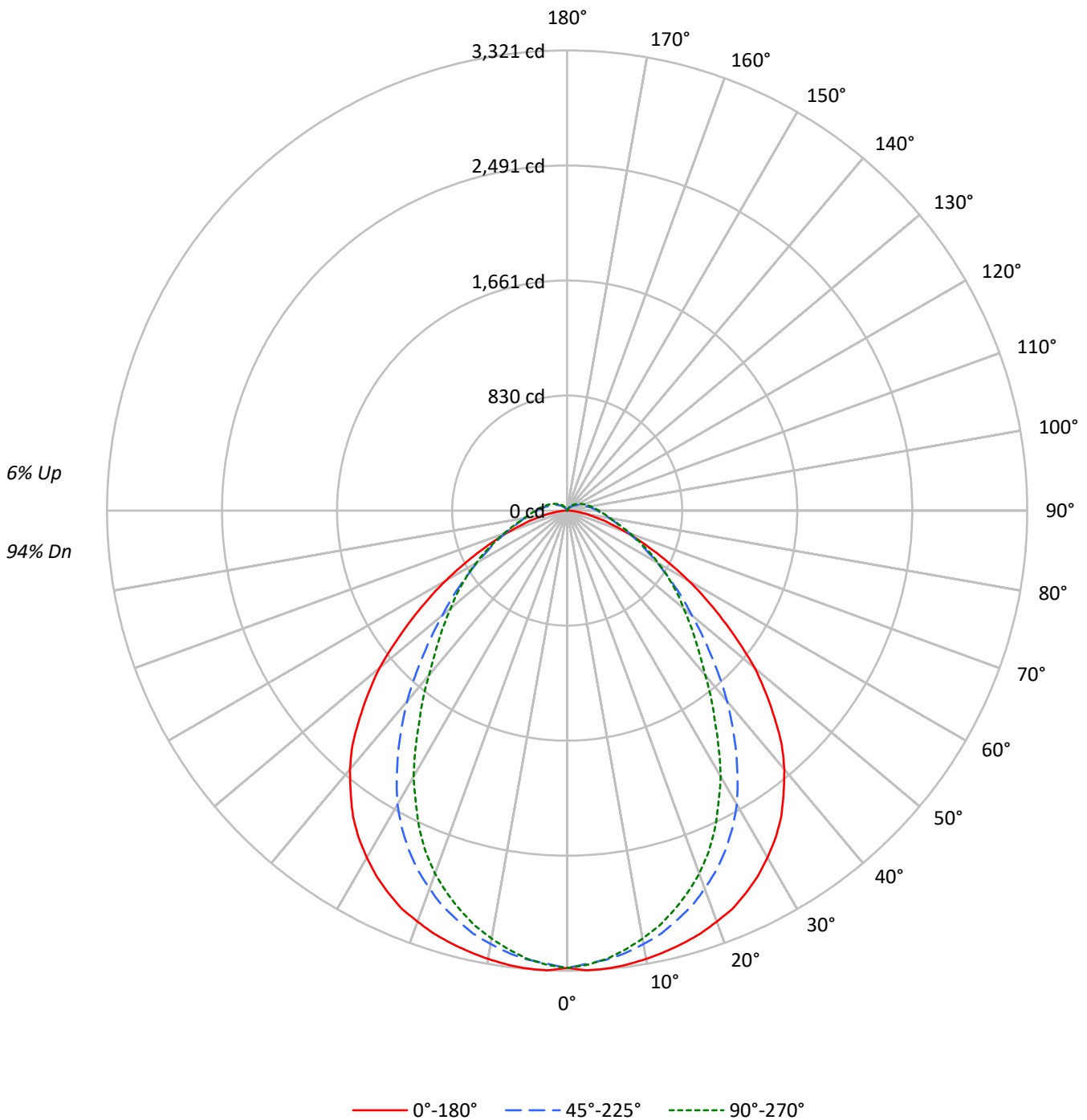
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	53196	53196	53196
5°	53464	49434	48327
10°	53362	46004	43630
15°	53338	42638	39261
20°	53322	39265	35042
25°	53162	35769	30631
30°	52538	31982	26152
35°	51506	27572	21514
40°	49543	23338	17732
45°	46300	19183	14873
50°	42199	15655	12540
55°	36309	12921	10687
60°	30418	10578	8954
65°	24174	8785	7403
70°	18842	7384	6110
75°	14280	6269	5073
80°	9941	5542	4358
85°	6033	5044	3943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	4.1
10°-20°	871.1	11.4
20°-30°	1261.4	16.5
30°-40°	1372.8	18.0
40°-50°	1219.2	16.0
50°-60°	928.1	12.2
60°-70°	616.2	8.1
70°-80°	375.5	4.9
80°-90°	232.7	3.1
90°-100°	158.9	2.1
100°-110°	111.5	1.5
110°-120°	76.0	1.0
120°-130°	48.2	0.6
130°-140°	27.4	0.4
140°-150°	12.9	0.2
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2442.8	32.0
0°-40°	3815.6	50.1
0°-60°	5962.9	78.2
0°-90°	7187.2	94.3
90°-120°	346.4	4.5
90°-150°	434.8	5.7
90°-180°	436.0	5.7
0°-180°	7623.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3301	3301	3301	3301	3301	
5°	3317	3297	3253	3269	3249	316
15°	3233	3177	3060	3024	2984	914
25°	3048	2912	2703	2594	2526	1404
35°	2695	2454	2125	1940	1860	1679
45°	2117	1799	1462	1337	1305	1630
55°	1370	1112	944	928	924	1229
65°	691	594	594	618	610	697
75°	265	301	378	398	386	287
85°	48	153	257	273	265	57
90°	0	112	217	237	229	3
95°	0	88	185	205	201	0
105°	0	56	132	153	153	0
115°	0	36	96	116	112	0
125°	0	24	64	80	80	0
135°	0	16	44	56	56	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°	3301.3	3301.3	3301.3	3301.3	3301.3
2.5°	3321.4	3305.4	3273.2	3293.3	3281.3
5°	3317.4	3297.3	3253.1	3269.2	3249.1
7.5°	3305.4	3281.3	3221.0	3229.0	3196.9
10°	3285.3	3253.1	3176.8	3168.8	3136.7
12.5°	3261.2	3221.0	3128.6	3100.5	3068.4
15°	3233.1	3176.8	3060.4	3024.2	2984.1
17.5°	3200.9	3124.6	2992.1	2935.9	2891.7
20°	3156.8	3064.4	2903.7	2835.5	2787.3
22.5°	3112.6	2992.1	2811.4	2719.0	2666.8
25°	3048.3	2911.8	2702.9	2594.5	2526.2
27.5°	2976.0	2819.4	2582.4	2441.9	2365.6
30°	2891.7	2711.0	2449.9	2285.2	2217.0
32.5°	2799.3	2590.5	2289.2	2112.5	2036.2
35°	2694.9	2453.9	2124.6	1939.8	1859.5
37.5°	2566.4	2305.3	1959.9	1771.2	1706.9
40°	2437.8	2148.7	1795.3	1618.5	1550.3
42.5°	2293.3	1976.0	1626.6	1465.9	1417.7
45°	2116.6	1799.3	1461.9	1337.4	1305.3
47.5°	1943.9	1618.5	1313.3	1224.9	1196.8
50°	1767.1	1441.8	1172.7	1116.5	1096.4
52.5°	1562.3	1269.1	1056.3	1020.1	1012.1
55°	1369.5	1112.5	943.8	927.7	923.7
57.5°	1184.8	963.9	839.4	851.4	843.4
60°	1012.1	827.3	747.0	763.1	759.1
62.5°	843.4	702.8	662.7	694.8	686.8
65°	690.8	594.4	594.4	618.5	610.5
67.5°	558.3	506.0	530.1	554.2	546.2
70°	445.8	425.7	473.9	494.0	486.0
72.5°	345.4	357.4	417.7	441.8	429.7
75°	265.1	301.2	377.5	397.6	385.6
77.5°	188.8	253.0	341.4	357.4	345.4
80°	132.5	212.9	309.2	325.3	313.3
82.5°	84.3	180.7	281.1	297.2	289.2
85°	48.2	152.6	257.0	273.1	265.1
87.5°	24.1	132.5	232.9	253.0	245.0
90°	0.0	112.5	216.9	237.0	228.9
92.5°	0.0	100.4	200.8	220.9	212.9
95°	0.0	88.4	184.7	204.8	200.8
97.5°	0.0	80.3	172.7	192.8	184.7
100°	0.0	68.3	156.6	176.7	172.7
102.5°	0.0	64.3	144.6	164.7	160.6
105°	0.0	56.2	132.5	152.6	152.6
107.5°	0.0	52.2	124.5	144.6	140.6
110°	0.0	44.2	112.5	132.5	132.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	40.2	104.4	124.5	120.5
115°	0.0	36.1	96.4	116.5	112.5
117.5°	0.0	36.1	88.4	104.4	104.4
120°	0.0	32.1	80.3	96.4	96.4
122.5°	0.0	28.1	72.3	88.4	88.4
125°	0.0	24.1	64.3	80.3	80.3
127.5°	0.0	24.1	60.2	76.3	76.3
130°	0.0	20.1	52.2	68.3	68.3
132.5°	0.0	16.1	48.2	60.2	60.2
135°	0.0	16.1	44.2	56.2	56.2
137.5°	0.0	12.0	36.1	48.2	48.2
140°	0.0	12.0	32.1	44.2	44.2
142.5°	0.0	8.0	28.1	40.2	36.1
145°	0.0	8.0	24.1	32.1	32.1
147.5°	0.0	4.0	20.1	28.1	28.1
150°	0.0	4.0	16.1	24.1	20.1
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)