

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: P218232

Luminaire Tested: **4SNLED-LD5-61SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218232
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-LD5-61SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6155.0 lumens
Efficiency: N/A
Efficacy: 119.5 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

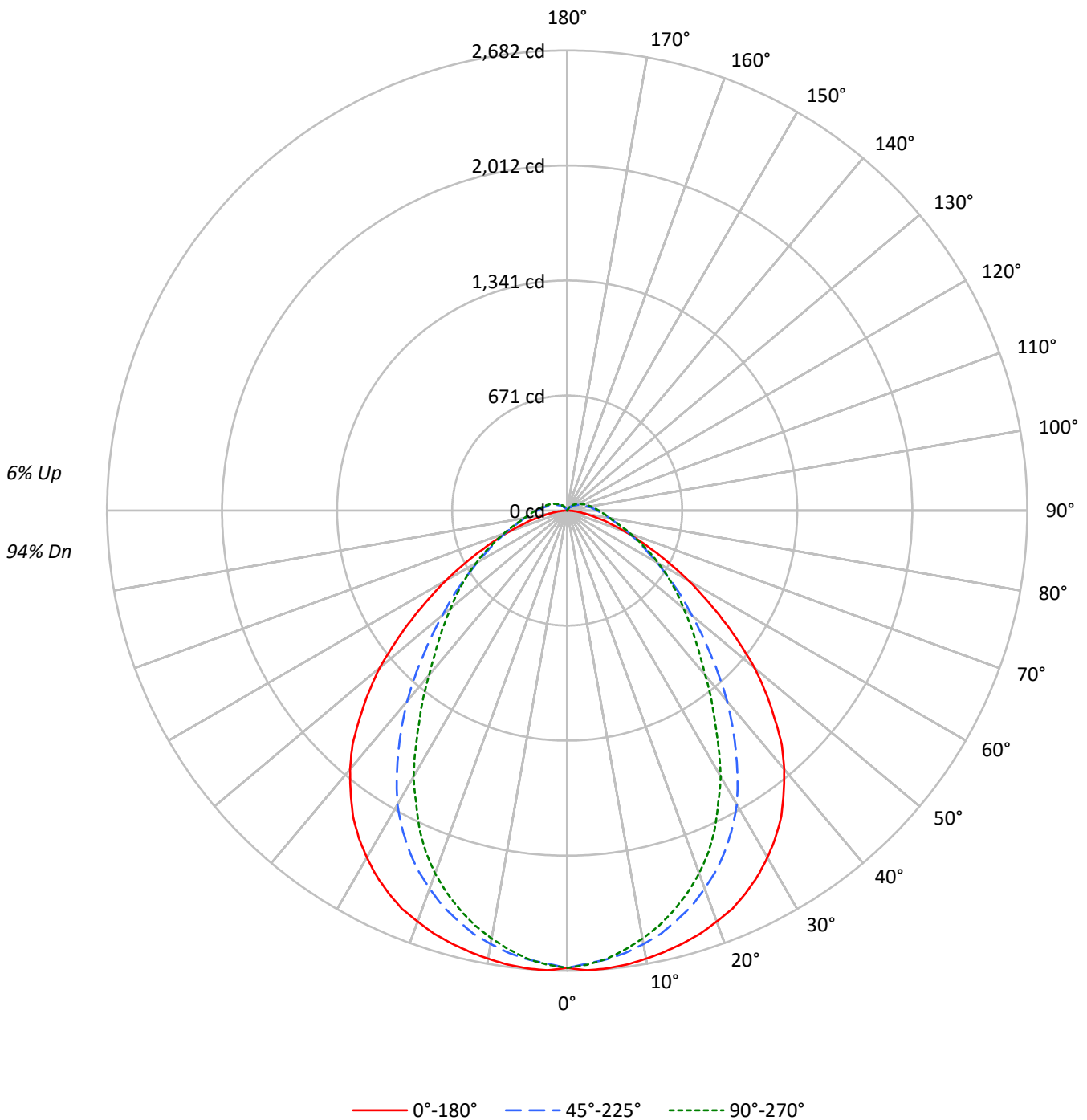
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	42953	42953	42953
5°	43169	39915	39020
10°	43085	37146	35227
15°	43067	34426	31700
20°	43052	31703	28293
25°	42925	28881	24732
30°	42420	25823	21115
35°	41587	22262	17371
40°	40004	18843	14316
45°	37384	15489	12008
50°	34072	12640	10126
55°	29317	10434	8629
60°	24560	8542	7230
65°	19520	7093	5977
70°	15215	5963	4933
75°	11527	5062	4096
80°	8028	4475	3518
85°	4869	4073	3183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.6	4.1
10°-20°	703.3	11.4
20°-30°	1018.5	16.5
30°-40°	1108.5	18.0
40°-50°	984.5	16.0
50°-60°	749.4	12.2
60°-70°	497.5	8.1
70°-80°	303.2	4.9
80°-90°	187.9	3.1
90°-100°	128.3	2.1
100°-110°	90.0	1.5
110°-120°	61.3	1.0
120°-130°	38.9	0.6
130°-140°	22.1	0.4
140°-150°	10.4	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1972.4	32.0
0°-40°	3080.8	50.1
0°-60°	4814.6	78.2
0°-90°	5803.2	94.3
90°-120°	279.7	4.5
90°-150°	351.1	5.7
90°-180°	352.0	5.7
0°-180°	6155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2666	2666	2666	2666	2666	
5°	2679	2662	2627	2640	2623	255
15°	2610	2565	2471	2442	2409	738
25°	2461	2351	2182	2095	2040	1133
35°	2176	1981	1715	1566	1501	1355
45°	1709	1453	1180	1080	1054	1316
55°	1106	898	762	749	746	992
65°	558	480	480	499	493	562
75°	214	243	305	321	311	231
85°	39	123	208	220	214	46
90°	0	91	175	191	185	3
95°	0	71	149	165	162	0
105°	0	45	107	123	123	0
115°	0	29	78	94	91	0
125°	0	20	52	65	65	0
135°	0	13	36	45	45	0
145°	0	6	20	26	26	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°	2665.6	2665.6	2665.6	2665.6	2665.6
2.5°	2681.8	2668.8	2642.9	2659.1	2649.4
5°	2678.6	2662.3	2626.7	2639.6	2623.4
7.5°	2668.8	2649.4	2600.7	2607.2	2581.3
10°	2652.6	2626.7	2565.1	2558.6	2532.6
12.5°	2633.2	2600.7	2526.1	2503.4	2477.5
15°	2610.5	2565.1	2471.0	2441.8	2409.4
17.5°	2584.5	2522.9	2415.9	2370.5	2334.8
20°	2548.8	2474.3	2344.5	2289.4	2250.5
22.5°	2513.2	2415.9	2270.0	2195.4	2153.2
25°	2461.3	2351.0	2182.4	2094.8	2039.7
27.5°	2402.9	2276.4	2085.1	1971.6	1910.0
30°	2334.8	2188.9	1978.1	1845.2	1790.0
32.5°	2260.2	2091.6	1848.4	1705.7	1644.1
35°	2175.9	1981.4	1715.4	1566.3	1501.4
37.5°	2072.1	1861.4	1582.5	1430.1	1378.2
40°	1968.4	1734.9	1449.5	1306.8	1251.7
42.5°	1851.6	1595.5	1313.3	1183.6	1144.7
45°	1709.0	1452.8	1180.4	1079.9	1053.9
47.5°	1569.5	1306.8	1060.4	989.1	966.4
50°	1426.8	1164.2	946.9	901.5	885.3
52.5°	1261.4	1024.7	852.9	823.7	817.2
55°	1105.8	898.3	762.1	749.1	745.8
57.5°	956.6	778.3	677.7	687.5	681.0
60°	817.2	668.0	603.2	616.1	612.9
62.5°	681.0	567.5	535.1	561.0	554.5
65°	557.8	479.9	479.9	499.4	492.9
67.5°	450.7	408.6	428.0	447.5	441.0
70°	360.0	343.7	382.7	398.9	392.4
72.5°	278.9	288.6	337.3	356.7	347.0
75°	214.0	243.2	304.8	321.0	311.3
77.5°	152.4	204.3	275.6	288.6	278.9
80°	107.0	171.9	249.7	262.7	252.9
82.5°	68.1	145.9	227.0	240.0	233.5
85°	38.9	123.2	207.5	220.5	214.0
87.5°	19.5	107.0	188.1	204.3	197.8
90°	0.0	90.8	175.1	191.3	184.8
92.5°	0.0	81.1	162.1	178.4	171.9
95°	0.0	71.3	149.2	165.4	162.1
97.5°	0.0	64.9	139.4	155.7	149.2
100°	0.0	55.1	126.5	142.7	139.4
102.5°	0.0	51.9	116.7	133.0	129.7
105°	0.0	45.4	107.0	123.2	123.2
107.5°	0.0	42.2	100.5	116.7	113.5
110°	0.0	35.7	90.8	107.0	107.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.4	84.3	100.5	97.3
115°	0.0	29.2	77.8	94.0	90.8
117.5°	0.0	29.2	71.3	84.3	84.3
120°	0.0	25.9	64.9	77.8	77.8
122.5°	0.0	22.7	58.4	71.3	71.3
125°	0.0	19.5	51.9	64.9	64.9
127.5°	0.0	19.5	48.6	61.6	61.6
130°	0.0	16.2	42.2	55.1	55.1
132.5°	0.0	13.0	38.9	48.6	48.6
135°	0.0	13.0	35.7	45.4	45.4
137.5°	0.0	9.7	29.2	38.9	38.9
140°	0.0	9.7	25.9	35.7	35.7
142.5°	0.0	6.5	22.7	32.4	29.2
145°	0.0	6.5	19.5	25.9	25.9
147.5°	0.0	3.2	16.2	22.7	22.7
150°	0.0	3.2	13.0	19.5	16.2
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)