

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: P218055

Luminaire Tested: **4SNLED-LD5-18SL-LC-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218055
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-LD5-18SL-LC-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1840.0 lumens
Efficiency: N/A
Efficacy: 126.0 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

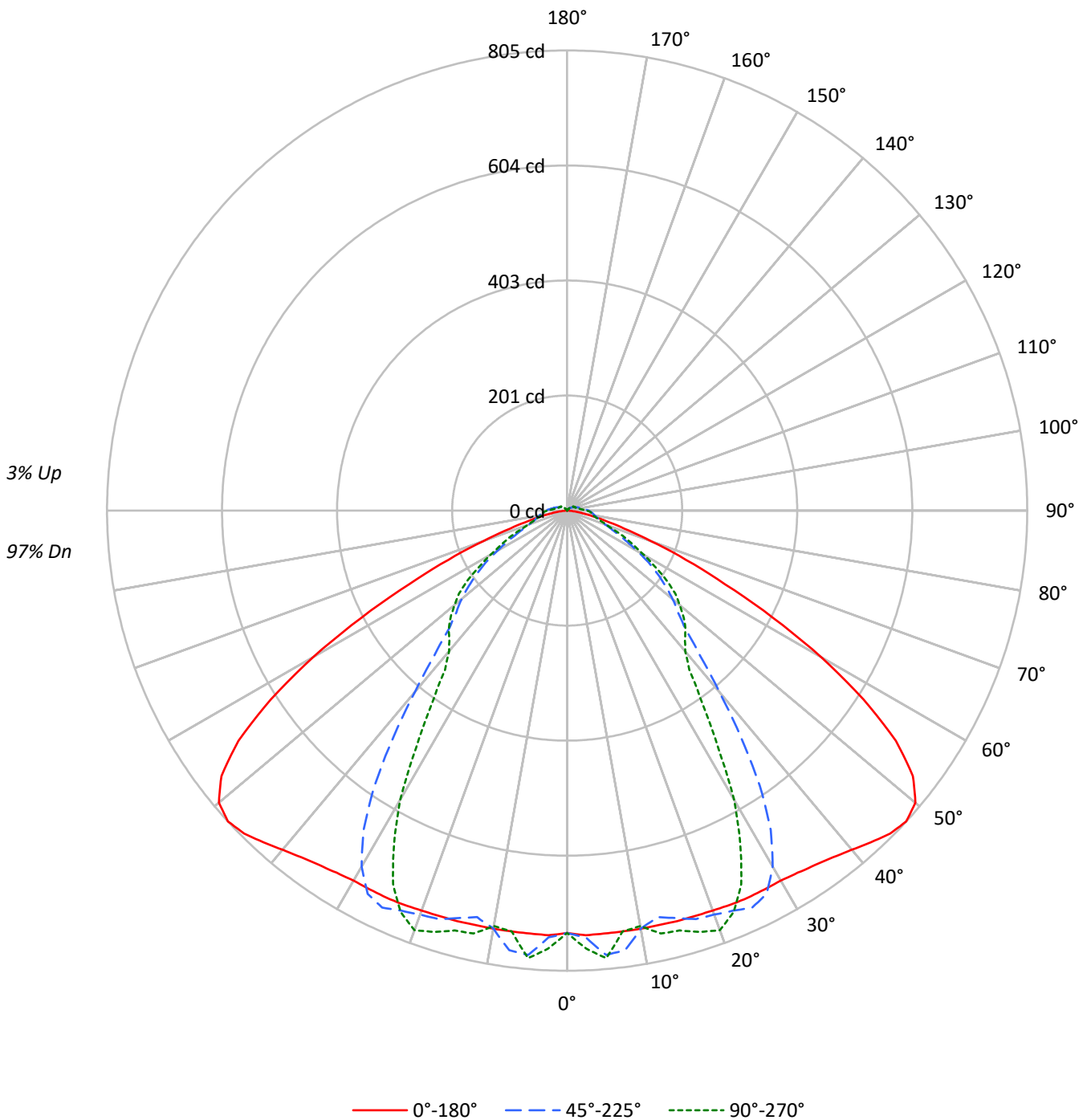
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11906	11906	11906
5°	11968	11857	11689
10°	12062	10754	10264
15°	12268	10281	10006
20°	12575	10169	9821
25°	13033	10140	8742
30°	13577	9387	6884
35°	14462	7622	4770
40°	15742	5383	3671
45°	17480	3829	3335
50°	18992	3217	2939
55°	18617	2642	2450
60°	15445	1999	1832
65°	10673	1447	1347
70°	6644	1100	923
75°	3754	938	730
80°	2116	876	629
85°	939	850	631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	3.9
10°-20°	213.9	11.6
20°-30°	339.9	18.5
30°-40°	366.5	19.9
40°-50°	315.9	17.2
50°-60°	239.1	13.0
60°-70°	129.2	7.0
70°-80°	61.4	3.3
80°-90°	38.5	2.1
90°-100°	24.5	1.3
100°-110°	15.7	0.9
110°-120°	10.5	0.6
120°-130°	6.9	0.4
130°-140°	3.4	0.2
140°-150°	1.4	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	626.4	34.0
0°-40°	992.9	54.0
0°-60°	1547.9	84.1
0°-90°	1777.0	96.6
90°-120°	50.7	2.8
90°-150°	62.5	3.4
90°-180°	63.0	3.4
0°-180°	1840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	743	759	780	791	786	71
15°	744	763	738	763	760	211
25°	747	733	766	746	721	346
35°	757	728	587	449	412	477
45°	799	501	292	289	293	615
55°	702	216	193	211	212	611
65°	305	92	98	110	111	313
75°	70	48	56	56	56	82
85°	8	29	43	43	42	11
90°	0	23	38	37	34	0
95°	0	18	30	27	25	0
105°	0	11	21	19	17	0
115°	0	7	14	14	14	0
125°	0	4	9	12	11	0
135°	0	2	6	7	7	0
145°	0	1	3	4	3	0
155°	0	1	1	2	1	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°	738.9	738.9	738.9	738.9	738.9
2.5°	743.6	744.5	747.3	761.5	767.1
5°	742.6	758.6	780.3	790.6	785.9
7.5°	742.6	775.6	775.6	755.8	742.6
10°	742.6	785.0	742.6	738.9	737.9
12.5°	742.6	779.3	728.5	754.9	757.7
15°	743.6	763.3	737.9	763.3	760.5
17.5°	743.6	744.5	749.2	769.0	772.7
20°	744.5	732.3	752.0	784.0	781.2
22.5°	746.4	730.4	757.7	777.5	760.5
25°	747.3	733.2	766.2	745.5	721.0
27.5°	747.3	737.0	755.8	696.5	656.0
30°	747.3	738.9	719.1	628.7	583.6
32.5°	751.1	737.0	662.6	540.3	491.3
35°	756.7	728.5	587.3	449.0	412.3
37.5°	764.3	705.9	498.8	375.5	351.1
40°	774.6	657.0	414.1	328.5	321.0
42.5°	786.9	585.4	344.5	305.0	305.0
45°	799.1	500.7	291.8	289.0	292.7
47.5°	804.7	417.9	262.6	273.0	276.7
50°	795.3	340.7	241.0	255.1	257.0
52.5°	762.4	272.0	216.5	233.4	238.1
55°	702.2	216.5	193.0	210.8	211.8
57.5°	614.6	172.2	168.5	182.6	181.7
60°	513.9	139.3	141.2	155.3	155.3
62.5°	405.7	112.9	118.6	130.8	129.9
65°	305.0	92.2	97.9	110.1	111.1
67.5°	225.0	76.2	82.8	91.3	89.4
70°	157.2	64.0	70.6	75.3	73.4
72.5°	104.5	54.6	62.1	64.0	63.1
75°	69.7	48.0	56.5	56.5	55.5
77.5°	45.2	42.4	52.7	51.8	49.9
80°	28.2	37.6	48.9	47.1	45.2
82.5°	16.9	32.9	46.1	44.2	42.4
85°	7.5	29.2	43.3	43.3	42.4
87.5°	2.8	26.4	40.5	41.4	39.5
90°	0.0	22.6	37.6	36.7	33.9
92.5°	0.0	20.7	33.9	31.1	29.2
95°	0.0	17.9	30.1	27.3	25.4
97.5°	0.0	16.0	27.3	24.5	22.6
100°	0.0	14.1	24.5	21.6	19.8
102.5°	0.0	12.2	22.6	19.8	18.8
105°	0.0	11.3	20.7	18.8	16.9
107.5°	0.0	10.4	18.8	16.9	16.0
110°	0.0	8.5	16.9	16.0	15.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.5	15.1	15.1	15.1
115°	0.0	6.6	14.1	14.1	14.1
117.5°	0.0	5.6	12.2	14.1	14.1
120°	0.0	5.6	11.3	13.2	13.2
122.5°	0.0	4.7	10.4	13.2	13.2
125°	0.0	3.8	9.4	12.2	11.3
127.5°	0.0	2.8	8.5	10.4	10.4
130°	0.0	2.8	7.5	9.4	8.5
132.5°	0.0	1.9	6.6	7.5	7.5
135°	0.0	1.9	5.6	6.6	6.6
137.5°	0.0	1.9	4.7	5.6	4.7
140°	0.0	0.9	3.8	4.7	3.8
142.5°	0.0	0.9	3.8	4.7	3.8
145°	0.0	0.9	2.8	3.8	2.8
147.5°	0.0	0.9	1.9	2.8	2.8
150°	0.0	0.9	1.9	2.8	1.9
152.5°	0.0	0.9	1.9	1.9	0.9
155°	0.0	0.9	0.9	1.9	0.9
157.5°	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	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)