

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: CORELITE

Report Number: P274893

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L82765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3102.3 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

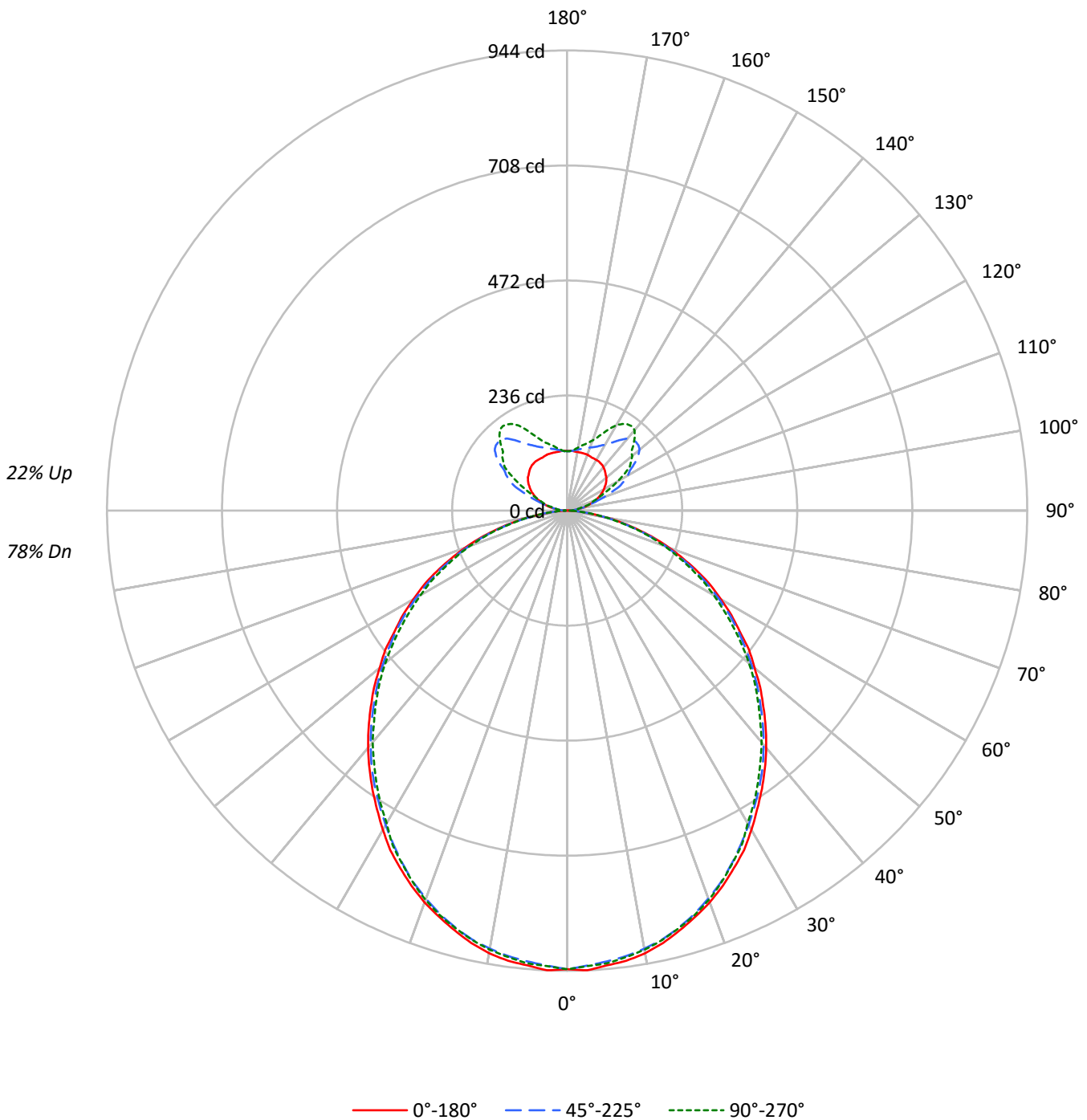
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78
1	104	100	96	92	99	95	92	89	87	84	82	80	77	75	73	71	70	66
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	46	43	40
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	37	33	31
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7595	7595	7595
5°	7590	7523	7556
10°	7558	7481	7498
15°	7453	7401	7409
20°	7348	7276	7302
25°	7210	7116	7126
30°	7049	6942	6903
35°	6866	6784	6722
40°	6694	6606	6540
45°	6502	6395	6323
50°	6301	6209	6118
55°	6077	6004	5858
60°	5877	5759	5607
65°	5639	5500	5320
70°	5268	5096	4997
75°	4685	4523	4488
80°	3784	3687	3687
85°	2316	2510	2510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	2.9
10°-20°	250.6	8.1
20°-30°	369.5	11.9
30°-40°	431.3	13.9
40°-50°	433.2	14.0
50°-60°	381.2	12.3
60°-70°	283.9	9.2
70°-80°	155.3	5.0
80°-90°	35.3	1.1
90°-100°	18.0	0.6
100°-110°	56.8	1.8
110°-120°	106.7	3.4
120°-130°	134.4	4.3
130°-140°	132.3	4.3
140°-150°	107.0	3.4
150°-160°	68.7	2.2
160°-170°	37.6	1.2
170°-180°	11.9	0.4
0°-30°	708.7	22.8
0°-40°	1140.0	36.7
0°-60°	1954.4	63.0
0°-90°	2428.9	78.3
90°-120°	181.5	5.9
90°-150°	555.2	17.9
90°-180°	673.0	21.7
0°-180°	3102.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	937	934	928	936	932	89
15°	892	893	886	890	886	252
25°	809	804	799	801	800	373
35°	697	696	688	684	682	436
45°	570	568	560	554	554	440
55°	432	434	427	419	416	388
65°	295	293	288	281	278	291
75°	150	148	145	145	144	159
85°	25	26	27	28	27	33
90°	1	2	3	4	3	2
95°	17	16	16	17	18	17
105°	47	75	49	48	45	50
115°	75	149	119	90	83	74
125°	97	154	169	156	156	86
135°	111	138	199	200	193	86
145°	119	134	173	209	216	74
155°	120	130	145	166	175	56
165°	122	125	131	138	141	35
175°	123	123	123	125	124	12
180°	122	122	122	122	122	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	940.8	940.8	940.8	940.8	940.8
2.5°	943.9	938.7	934.5	939.7	935.6
5°	936.6	934.5	928.3	935.6	932.4
7.5°	931.4	928.3	922.0	928.3	924.1
10°	922.0	919.9	912.6	916.8	914.7
12.5°	908.5	908.5	901.2	905.3	902.2
15°	891.8	892.8	885.5	889.7	886.5
17.5°	874.0	875.1	867.8	871.9	869.9
20°	855.3	852.1	846.9	850.0	850.0
22.5°	833.4	829.2	825.0	825.0	826.1
25°	809.4	804.2	798.9	801.0	800.0
27.5°	785.4	779.1	771.8	774.9	774.9
30°	756.2	752.0	744.7	746.8	740.5
32.5°	725.9	723.8	716.5	715.5	712.4
35°	696.7	695.7	688.4	684.2	682.1
37.5°	666.5	666.5	659.2	655.0	650.8
40°	635.2	633.1	626.8	621.6	620.6
42.5°	602.9	601.8	594.5	588.3	586.2
45°	569.5	568.4	560.1	553.8	553.8
47.5°	537.1	534.0	527.8	520.5	521.5
50°	501.7	501.7	494.4	488.1	487.1
52.5°	470.4	467.3	460.0	455.8	451.6
55°	431.8	433.9	426.6	419.3	416.2
57.5°	399.5	399.5	393.2	384.9	380.7
60°	364.0	364.0	356.7	351.5	347.3
62.5°	331.7	329.6	322.3	316.0	315.0
65°	295.2	293.1	287.9	280.6	278.5
67.5°	257.6	256.6	250.3	246.1	245.1
70°	223.2	220.1	215.9	212.8	211.7
72.5°	186.7	183.6	181.5	178.4	178.4
75°	150.2	148.1	145.0	145.0	143.9
77.5°	115.8	113.7	113.7	111.6	109.5
80°	81.4	82.4	79.3	79.3	79.3
82.5°	51.1	52.1	50.1	50.1	50.1
85°	25.0	26.1	27.1	28.2	27.1
87.5°	7.3	9.4	11.5	12.5	11.5
90°	1.0	2.1	3.1	4.2	3.1
92.5°	8.3	9.4	11.5	12.5	12.5
95°	16.7	15.6	15.6	16.7	17.7
97.5°	24.0	25.0	19.8	20.9	20.9
100°	32.3	39.6	30.2	25.0	25.0
102.5°	39.6	57.4	39.6	34.4	31.3
105°	46.9	75.1	49.0	48.0	44.8
107.5°	54.2	91.8	62.6	51.1	51.1
110°	62.6	111.6	79.3	62.6	58.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	68.8	133.5	98.0	74.1	69.9
115°	75.1	149.1	118.9	89.7	83.4
117.5°	81.4	156.4	132.5	109.5	100.1
120°	86.6	159.6	143.9	129.3	118.9
122.5°	91.8	158.5	152.3	147.1	138.7
125°	97.0	154.4	169.0	156.4	156.4
127.5°	101.2	148.1	183.6	165.8	164.8
130°	105.3	142.9	194.0	171.1	174.2
132.5°	107.4	139.8	198.2	185.7	178.4
135°	110.6	137.7	199.2	200.3	193.0
137.5°	113.7	137.7	197.1	209.6	205.5
140°	115.8	136.6	193.0	213.8	214.9
142.5°	117.9	134.5	183.6	212.8	218.0
145°	118.9	133.5	173.1	208.6	215.9
147.5°	119.9	132.5	163.8	201.3	210.7
150°	119.9	131.4	156.4	190.9	202.3
152.5°	119.9	130.4	150.2	177.3	189.8
155°	119.9	130.4	145.0	165.8	175.2
157.5°	121.0	128.3	140.8	156.4	162.7
160°	122.0	127.2	137.7	149.1	153.3
162.5°	122.0	126.2	134.5	142.9	146.0
165°	122.0	125.2	131.4	137.7	140.8
167.5°	122.0	125.2	129.3	134.5	136.6
170°	122.0	124.1	127.2	130.4	131.4
172.5°	122.0	124.1	125.2	127.2	127.2
175°	123.1	123.1	123.1	125.2	124.1
177.5°	123.1	123.1	122.0	123.1	122.0
180°	122.0	122.0	122.0	122.0	122.0

(END OF REPORT)