

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: P274903

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L92765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2332.0 lumens
Efficiency: N/A
Efficacy: 90.7 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

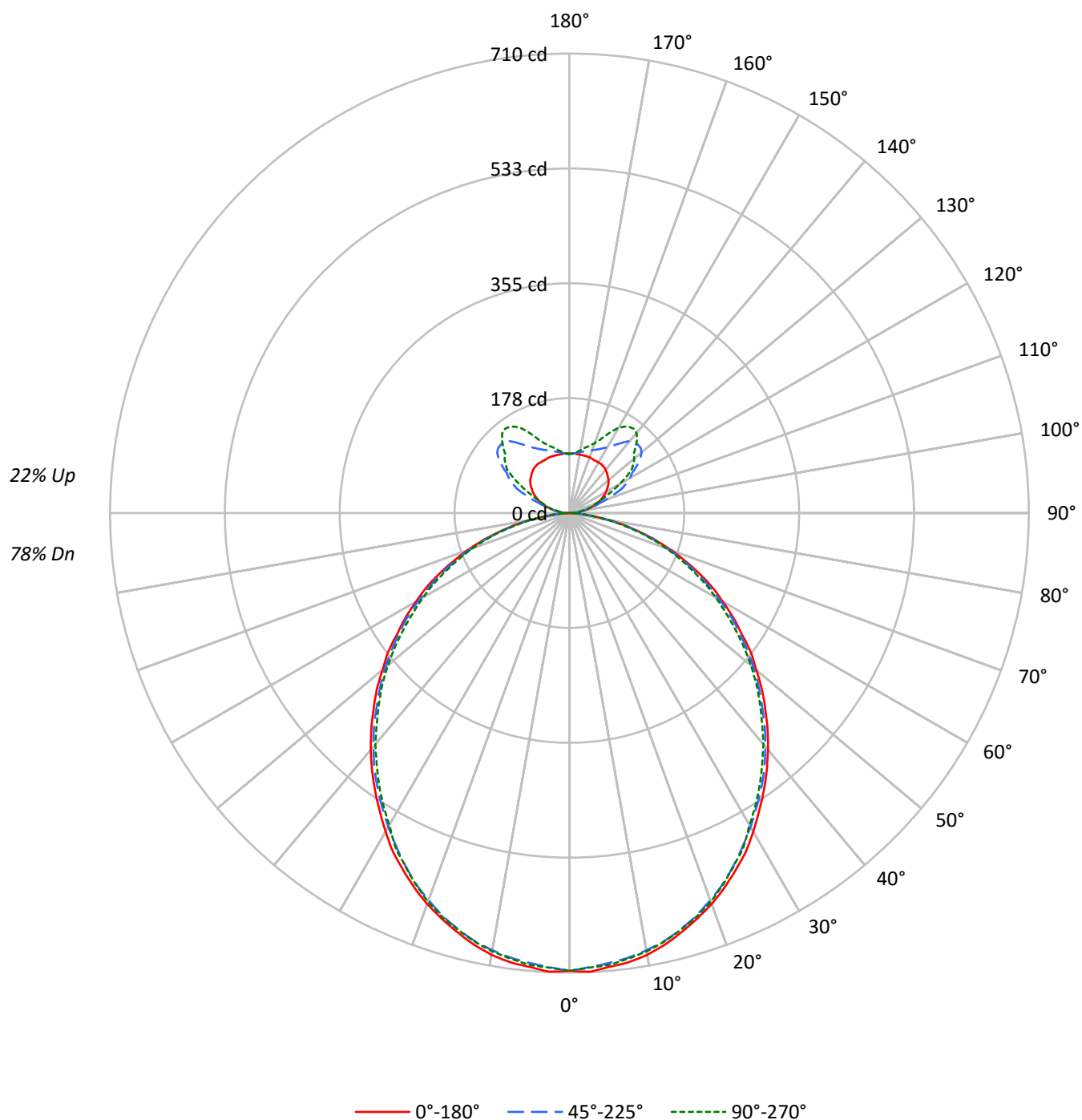
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	50	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°	5709	5709	5709
5°	5705	5655	5680
10°	5682	5623	5637
15°	5602	5563	5570
20°	5523	5469	5490
25°	5419	5349	5356
30°	5299	5218	5189
35°	5161	5099	5053
40°	5032	4966	4916
45°	4888	4807	4753
50°	4736	4667	4598
55°	4569	4514	4403
60°	4418	4329	4216
65°	4239	4134	3998
70°	3961	3831	3758
75°	3522	3400	3375
80°	2845	2771	2771
85°	1741	1890	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	2.9
10°-20°	188.4	8.1
20°-30°	277.7	11.9
30°-40°	324.2	13.9
40°-50°	325.6	14.0
50°-60°	286.5	12.3
60°-70°	213.4	9.2
70°-80°	116.7	5.0
80°-90°	26.5	1.1
90°-100°	13.5	0.6
100°-110°	42.7	1.8
110°-120°	80.2	3.4
120°-130°	101.1	4.3
130°-140°	99.5	4.3
140°-150°	80.4	3.4
150°-160°	51.7	2.2
160°-170°	28.2	1.2
170°-180°	9.0	0.4
0°-30°	532.7	22.8
0°-40°	856.9	36.7
0°-60°	1469.0	63.0
0°-90°	1825.7	78.3
90°-120°	136.5	5.9
90°-150°	417.4	17.9
90°-180°	506.0	21.7
0°-180°	2332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	707	707	707	707	707	
5°	704	702	698	703	701	67
15°	670	671	666	669	666	189
25°	608	604	600	602	601	280
35°	524	523	517	514	513	328
45°	428	427	421	416	416	330
55°	325	326	321	315	313	292
65°	222	220	216	211	209	219
75°	113	111	109	109	108	120
85°	19	20	20	21	20	25
90°	1	2	2	3	2	2
95°	12	12	12	12	13	12
105°	35	56	37	36	34	37
115°	56	112	89	67	63	56
125°	73	116	127	118	118	65
135°	83	104	150	150	145	64
145°	89	100	130	157	162	56
155°	90	98	109	125	132	42
165°	92	94	99	104	106	26
175°	92	92	92	94	93	9
180°	92	92	92	92	92	



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CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	707.2	707.2	707.2	707.2	707.2
2.5°	709.5	705.6	702.5	706.4	703.2
5°	704.0	702.5	697.8	703.2	700.9
7.5°	700.1	697.8	693.1	697.8	694.6
10°	693.1	691.5	686.0	689.1	687.6
12.5°	682.9	682.9	677.4	680.5	678.2
15°	670.3	671.1	665.6	668.8	666.4
17.5°	657.0	657.8	652.3	655.4	653.9
20°	642.9	640.5	636.6	639.0	639.0
22.5°	626.4	623.3	620.1	620.1	620.9
25°	608.4	604.5	600.5	602.1	601.3
27.5°	590.4	585.6	580.2	582.5	582.5
30°	568.4	565.3	559.8	561.3	556.6
32.5°	545.7	544.1	538.6	537.8	535.5
35°	523.7	522.9	517.4	514.3	512.7
37.5°	501.0	501.0	495.5	492.4	489.2
40°	477.5	475.9	471.2	467.3	466.5
42.5°	453.2	452.4	446.9	442.2	440.6
45°	428.1	427.3	421.0	416.3	416.3
47.5°	403.8	401.4	396.7	391.2	392.0
50°	377.1	377.1	371.6	366.9	366.1
52.5°	353.6	351.2	345.7	342.6	339.5
55°	324.6	326.1	320.7	315.2	312.8
57.5°	300.3	300.3	295.6	289.3	286.2
60°	273.6	273.6	268.1	264.2	261.1
62.5°	249.3	247.7	242.3	237.6	236.8
65°	221.9	220.3	216.4	210.9	209.3
67.5°	193.6	192.9	188.2	185.0	184.2
70°	167.8	165.4	162.3	159.9	159.2
72.5°	140.3	138.0	136.4	134.1	134.1
75°	112.9	111.3	109.0	109.0	108.2
77.5°	87.0	85.5	85.5	83.9	82.3
80°	61.2	61.9	59.6	59.6	59.6
82.5°	38.4	39.2	37.6	37.6	37.6
85°	18.8	19.6	20.4	21.2	20.4
87.5°	5.5	7.1	8.6	9.4	8.6
90°	0.8	1.6	2.4	3.1	2.4
92.5°	6.3	7.1	8.6	9.4	9.4
95°	12.5	11.8	11.8	12.5	13.3
97.5°	18.0	18.8	14.9	15.7	15.7
100°	24.3	29.8	22.7	18.8	18.8
102.5°	29.8	43.1	29.8	25.9	23.5
105°	35.3	56.4	36.8	36.1	33.7
107.5°	40.8	69.0	47.0	38.4	38.4
110°	47.0	83.9	59.6	47.0	43.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.7	100.4	73.7	55.7	52.5
115°	56.4	112.1	89.4	67.4	62.7
117.5°	61.2	117.6	99.6	82.3	75.3
120°	65.1	120.0	108.2	97.2	89.4
122.5°	69.0	119.2	114.5	110.5	104.3
125°	72.9	116.0	127.0	117.6	117.6
127.5°	76.0	111.3	138.0	124.7	123.9
130°	79.2	107.4	145.8	128.6	130.9
132.5°	80.8	105.1	149.0	139.6	134.1
135°	83.1	103.5	149.7	150.5	145.0
137.5°	85.5	103.5	148.2	157.6	154.4
140°	87.0	102.7	145.0	160.7	161.5
142.5°	88.6	101.1	138.0	159.9	163.9
145°	89.4	100.4	130.1	156.8	162.3
147.5°	90.2	99.6	123.1	151.3	158.4
150°	90.2	98.8	117.6	143.5	152.1
152.5°	90.2	98.0	112.9	133.3	142.7
155°	90.2	98.0	109.0	124.7	131.7
157.5°	90.9	96.4	105.8	117.6	122.3
160°	91.7	95.6	103.5	112.1	115.2
162.5°	91.7	94.9	101.1	107.4	109.8
165°	91.7	94.1	98.8	103.5	105.8
167.5°	91.7	94.1	97.2	101.1	102.7
170°	91.7	93.3	95.6	98.0	98.8
172.5°	91.7	93.3	94.1	95.6	95.6
175°	92.5	92.5	92.5	94.1	93.3
177.5°	92.5	92.5	91.7	92.5	91.7
180°	91.7	91.7	91.7	91.7	91.7

(END OF REPORT)