

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: P274891

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274891
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-30L82765-1D-UNV-W2A-W-4 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3022.0 lumens
Efficiency: N/A
Efficacy: 114.9 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

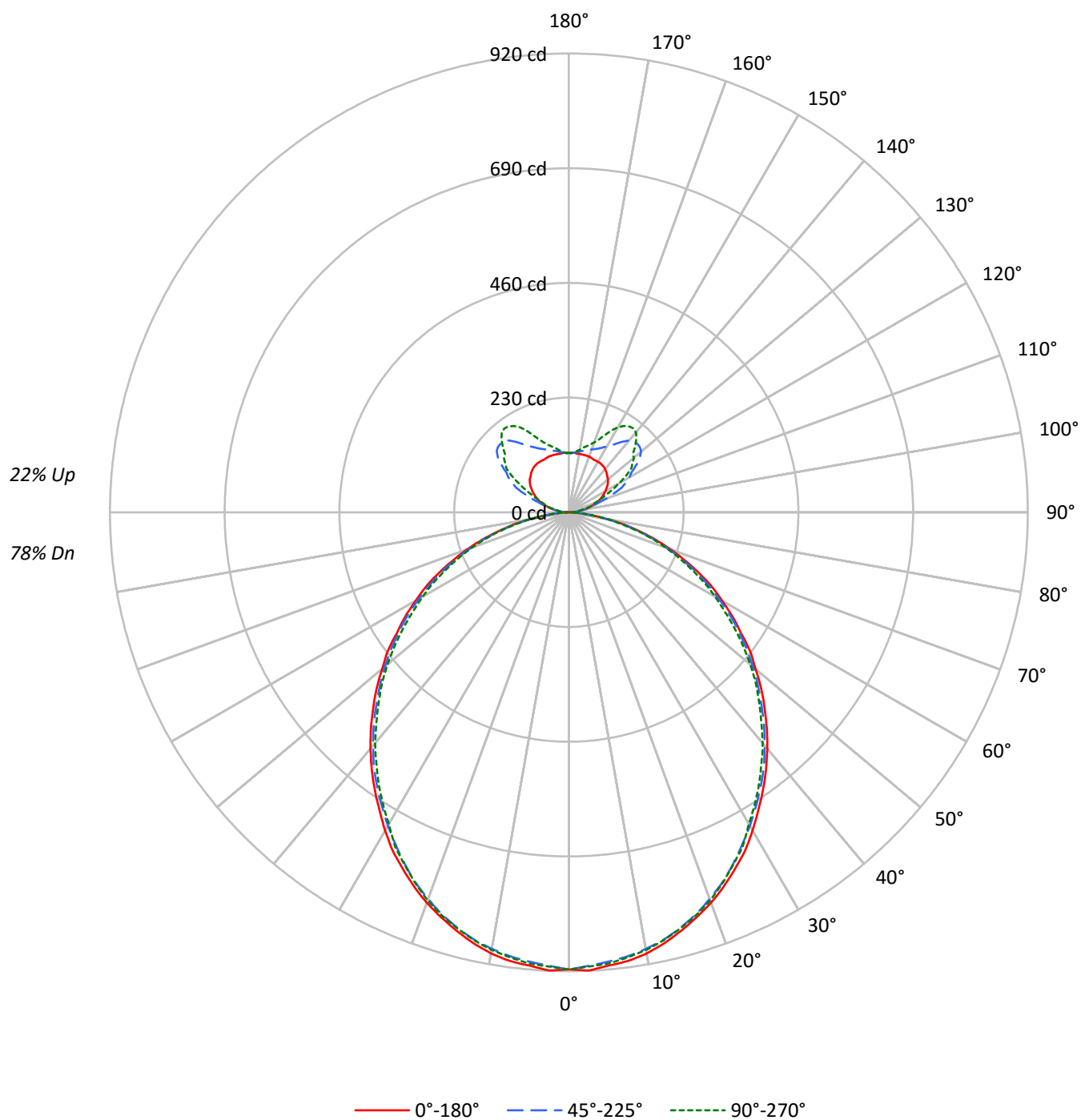
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274891

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P274891

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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°	7398	7398	7398
5°	7394	7327	7361
10°	7362	7288	7304
15°	7260	7209	7218
20°	7157	7088	7113
25°	7023	6933	6942
30°	6866	6762	6725
35°	6689	6609	6549
40°	6520	6435	6371
45°	6333	6229	6159
50°	6138	6049	5959
55°	5920	5848	5706
60°	5725	5611	5462
65°	5492	5356	5182
70°	5131	4964	4867
75°	4563	4404	4373
80°	3682	3589	3589
85°	2260	2445	2445



TEST NUMBER: P274891

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	2.9
10°-20°	244.1	8.1
20°-30°	359.9	11.9
30°-40°	420.1	13.9
40°-50°	422.0	14.0
50°-60°	371.3	12.3
60°-70°	276.6	9.2
70°-80°	151.2	5.0
80°-90°	34.4	1.1
90°-100°	17.5	0.6
100°-110°	55.3	1.8
110°-120°	104.0	3.4
120°-130°	130.9	4.3
130°-140°	128.9	4.3
140°-150°	104.2	3.4
150°-160°	66.9	2.2
160°-170°	36.6	1.2
170°-180°	11.6	0.4
0°-30°	690.3	22.8
0°-40°	1110.5	36.7
0°-60°	1903.7	63.0
0°-90°	2366.0	78.3
90°-120°	176.8	5.9
90°-150°	540.9	17.9
90°-180°	656.0	21.7
0°-180°	3022.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	912	910	904	911	908	87
15°	869	870	863	867	864	245
25°	788	783	778	780	779	363
35°	679	678	671	666	664	425
45°	555	554	546	540	540	428
55°	421	423	416	408	405	378
65°	288	286	280	273	271	284
75°	146	144	141	141	140	155
85°	24	25	26	27	26	32
90°	1	2	3	4	3	2
95°	16	15	15	16	17	16
105°	46	73	48	47	44	48
115°	73	145	116	87	81	72
125°	94	150	165	152	152	84
135°	108	134	194	195	188	83
145°	116	130	169	203	210	73
155°	117	127	141	162	171	54
165°	119	122	128	134	137	34
175°	120	120	120	122	121	11
180°	119	119	119	119	119	



TEST NUMBER: P274891

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.4	916.4	916.4	916.4	916.4
2.5°	919.5	914.4	910.3	915.4	911.4
5°	912.4	910.3	904.2	911.4	908.3
7.5°	907.3	904.2	898.1	904.2	900.2
10°	898.1	896.1	889.0	893.1	891.0
12.5°	884.9	884.9	877.8	881.9	878.8
15°	868.7	869.7	862.6	866.6	863.6
17.5°	851.4	852.4	845.3	849.4	847.3
20°	833.1	830.1	825.0	828.0	828.0
22.5°	811.8	807.7	803.7	803.7	804.7
25°	788.4	783.3	778.3	780.3	779.3
27.5°	765.0	759.0	751.8	754.9	754.9
30°	736.6	732.5	725.4	727.5	721.4
32.5°	707.1	705.1	698.0	697.0	693.9
35°	678.7	677.7	670.6	666.5	664.5
37.5°	649.2	649.2	642.1	638.0	634.0
40°	618.7	616.7	610.6	605.5	604.5
42.5°	587.2	586.2	579.1	573.0	571.0
45°	554.7	553.7	545.6	539.5	539.5
47.5°	523.2	520.2	514.1	507.0	508.0
50°	488.7	488.7	481.6	475.5	474.5
52.5°	458.2	455.2	448.1	444.0	439.9
55°	420.6	422.7	415.5	408.4	405.4
57.5°	389.1	389.1	383.0	374.9	370.8
60°	354.6	354.6	347.5	342.4	338.3
62.5°	323.1	321.1	313.9	307.8	306.8
65°	287.5	285.5	280.4	273.3	271.3
67.5°	251.0	249.9	243.8	239.8	238.8
70°	217.4	214.4	210.3	207.3	206.2
72.5°	181.9	178.8	176.8	173.7	173.7
75°	146.3	144.3	141.2	141.2	140.2
77.5°	112.8	110.7	110.7	108.7	106.7
80°	79.2	80.3	77.2	77.2	77.2
82.5°	49.8	50.8	48.8	48.8	48.8
85°	24.4	25.4	26.4	27.4	26.4
87.5°	7.1	9.1	11.2	12.2	11.2
90°	1.0	2.0	3.0	4.1	3.0
92.5°	8.1	9.1	11.2	12.2	12.2
95°	16.3	15.2	15.2	16.3	17.3
97.5°	23.4	24.4	19.3	20.3	20.3
100°	31.5	38.6	29.5	24.4	24.4
102.5°	38.6	55.9	38.6	33.5	30.5
105°	45.7	73.2	47.8	46.7	43.7
107.5°	52.8	89.4	61.0	49.8	49.8
110°	61.0	108.7	77.2	61.0	56.9



TEST NUMBER: P274891

CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	67.1	130.0	95.5	72.1	68.1
115°	73.2	145.3	115.8	87.4	81.3
117.5°	79.2	152.4	129.0	106.7	97.5
120°	84.3	155.4	140.2	126.0	115.8
122.5°	89.4	154.4	148.3	143.3	135.1
125°	94.5	150.4	164.6	152.4	152.4
127.5°	98.6	144.3	178.8	161.5	160.5
130°	102.6	139.2	189.0	166.6	169.7
132.5°	104.6	136.1	193.0	180.8	173.7
135°	107.7	134.1	194.1	195.1	188.0
137.5°	110.7	134.1	192.0	204.2	200.2
140°	112.8	133.1	188.0	208.3	209.3
142.5°	114.8	131.1	178.8	207.3	212.3
145°	115.8	130.0	168.7	203.2	210.3
147.5°	116.8	129.0	159.5	196.1	205.2
150°	116.8	128.0	152.4	185.9	197.1
152.5°	116.8	127.0	146.3	172.7	184.9
155°	116.8	127.0	141.2	161.5	170.7
157.5°	117.9	125.0	137.2	152.4	158.5
160°	118.9	124.0	134.1	145.3	149.4
162.5°	118.9	122.9	131.1	139.2	142.2
165°	118.9	121.9	128.0	134.1	137.2
167.5°	118.9	121.9	126.0	131.1	133.1
170°	118.9	120.9	124.0	127.0	128.0
172.5°	118.9	120.9	121.9	124.0	124.0
175°	119.9	119.9	119.9	121.9	120.9
177.5°	119.9	119.9	118.9	119.9	118.9
180°	118.9	118.9	118.9	118.9	118.9

(END OF REPORT)