

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: P275143

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275143  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4535.5 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

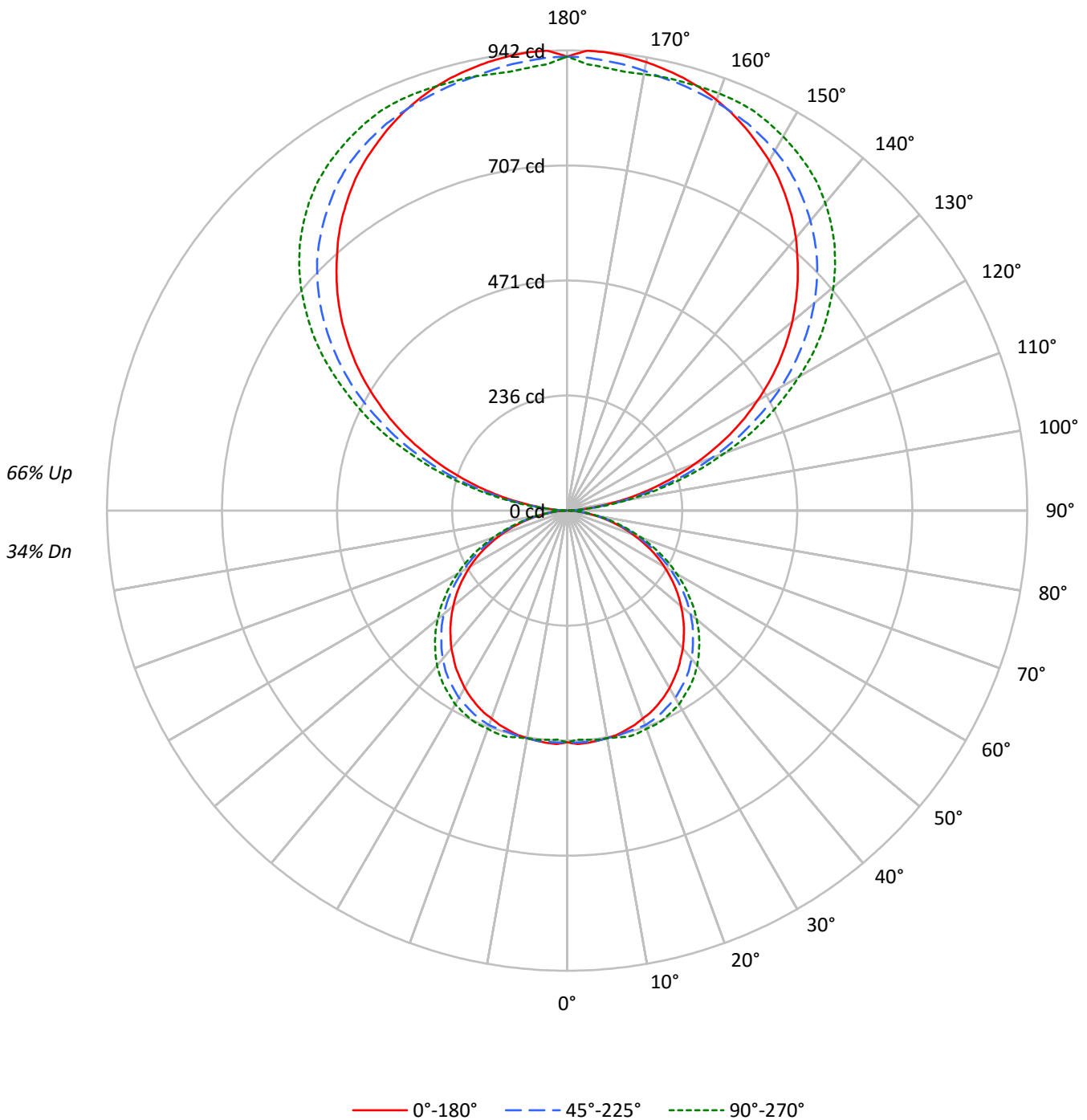
Input Watts (W): 44  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P275143

CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

### Luminous Intensity Polar Plot





TEST NUMBER: P275143

CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**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	103	103	103	103	93	93	93	93	74	74	74		57	57	57		41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60		50	48	47		36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50		43	41	39		31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41		38	35	33		28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35		34	30	28		25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30		30	27	24		22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26		27	23	21		20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23		25	21	18		18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20		22	19	16		16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18		20	17	14		15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16		19	15	13		14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3828	3828	3828
5°	3868	3852	3819
10°	3878	3878	3878
15°	3886	3921	4008
20°	3891	4014	4083
25°	3909	4071	4189
30°	3910	4127	4270
35°	3902	4162	4324
40°	3883	4172	4364
45°	3858	4160	4368
50°	3822	4142	4347
55°	3780	4084	4283
60°	3712	3977	4191
65°	3595	3828	4046
70°	3387	3607	3793
75°	3110	3303	3462
80°	2701	2887	2989
85°	2158	2251	2362



TEST NUMBER: P275143

CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	1.0
10°-20°	133.1	2.9
20°-30°	209.6	4.6
30°-40°	261.9	5.8
40°-50°	279.1	6.2
50°-60°	257.4	5.7
60°-70°	197.7	4.4
70°-80°	112.0	2.5
80°-90°	29.5	0.7
90°-100°	47.5	1.0
100°-110°	223.8	4.9
110°-120°	405.6	8.9
120°-130°	521.0	11.5
130°-140°	554.2	12.2
140°-150°	509.9	11.2
150°-160°	403.8	8.9
160°-170°	256.4	5.7
170°-180°	87.9	1.9
0°-30°	387.9	8.6
0°-40°	649.7	14.3
0°-60°	1186.2	26.2
0°-90°	1525.4	33.6
90°-120°	676.9	14.9
90°-150°	2262.0	49.9
90°-180°	3010.0	66.4
0°-180°	4535.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	474	474	474	474	474	
5°	477	473	475	474	471	45
15°	465	463	469	477	480	131
25°	439	440	457	466	470	202
35°	396	403	422	433	439	247
45°	338	347	364	376	383	261
55°	269	277	290	299	304	240
65°	188	192	200	208	212	186
75°	100	102	106	110	111	106
85°	23	24	24	26	26	26
90°	1	1	1	0	0	3
95°	32	33	36	38	40	41
105°	187	196	214	227	233	198
115°	366	382	414	440	452	361
125°	529	546	587	620	637	472
135°	668	678	724	755	774	515
145°	782	779	818	844	859	489
155°	864	852	874	892	903	398
165°	917	903	903	906	909	259
175°	941	930	924	917	910	90
180°	929	929	929	929	929	



TEST NUMBER: P275143

CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	474.2	474.2	474.2	474.2	474.2
2.5°	478.4	474.2	475.3	475.3	469.2
5°	477.3	473.1	475.3	474.2	471.2
7.5°	475.3	472.2	475.3	475.3	473.1
10°	473.1	470.3	473.1	474.2	473.1
12.5°	470.3	467.2	472.2	474.2	475.3
15°	465.0	463.0	469.2	477.3	479.5
17.5°	460.1	459.0	468.3	477.3	478.4
20°	452.9	452.9	467.2	474.2	475.3
22.5°	446.9	446.9	463.0	470.3	474.2
25°	438.8	439.7	457.0	466.3	470.3
27.5°	429.5	432.6	449.8	460.1	464.1
30°	419.4	424.5	442.7	452.9	458.1
32.5°	407.3	414.1	432.6	442.7	447.8
35°	395.9	403.1	422.3	432.6	438.8
37.5°	381.7	390.8	410.2	420.3	427.5
40°	368.5	377.8	395.9	407.3	414.1
42.5°	353.1	363.3	380.7	391.9	398.9
45°	337.9	347.0	364.4	375.6	382.6
47.5°	321.6	330.9	348.3	358.4	365.3
50°	304.3	314.4	329.8	339.9	346.1
52.5°	286.9	296.1	310.4	320.7	326.7
55°	268.6	276.8	290.2	299.4	304.3
57.5°	249.2	257.4	268.6	277.8	282.9
60°	229.9	236.0	246.3	255.4	259.6
62.5°	209.6	214.9	223.9	231.1	236.0
65°	188.2	192.4	200.4	207.6	211.8
67.5°	166.0	170.0	177.0	183.2	186.3
70°	143.5	147.5	152.8	157.7	160.7
72.5°	122.0	124.2	129.2	133.4	135.4
75°	99.7	101.7	105.9	109.9	111.0
77.5°	79.5	80.4	83.6	85.6	86.5
80°	58.1	60.1	62.1	63.0	64.3
82.5°	39.6	40.7	41.6	42.7	43.6
85°	23.3	24.3	24.3	25.5	25.5
87.5°	10.1	11.2	11.2	11.2	11.2
90°	1.1	1.1	1.1	0.0	0.0
92.5°	10.1	10.1	11.2	12.1	13.2
95°	31.5	32.6	35.7	37.6	39.6
97.5°	63.0	65.2	71.1	76.4	78.4
100°	101.7	105.9	115.1	122.0	125.3
102.5°	143.5	149.5	162.9	173.0	178.1
105°	187.3	195.5	213.8	227.0	233.1
107.5°	232.0	242.4	265.7	280.9	289.1
110°	276.8	290.2	315.5	335.8	341.9



TEST NUMBER: P275143

CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	321.6	335.8	366.4	388.8	400.0
115°	366.4	381.7	414.1	439.7	452.0
117.5°	409.3	425.4	461.0	489.6	500.7
120°	449.8	467.2	505.9	535.4	548.6
122.5°	490.5	507.0	547.5	579.0	595.5
125°	529.3	545.6	587.4	619.8	637.1
127.5°	566.0	581.0	625.0	658.5	674.8
130°	601.5	615.8	660.5	693.3	711.5
132.5°	635.2	648.4	693.3	724.7	744.1
135°	667.7	677.9	723.7	755.2	773.6
137.5°	698.1	705.4	750.3	781.8	799.1
140°	728.7	730.9	774.5	804.0	822.3
142.5°	756.2	755.2	797.0	825.4	842.8
145°	781.8	778.7	818.3	843.7	859.1
147.5°	806.0	799.1	836.6	858.1	872.3
150°	827.4	818.3	850.9	872.3	884.4
152.5°	845.7	835.5	863.0	882.4	894.5
155°	864.1	852.0	874.3	892.5	902.9
157.5°	880.4	865.0	882.4	898.7	907.0
160°	894.5	879.5	890.5	902.9	909.0
162.5°	907.0	891.6	896.7	903.8	909.0
165°	917.2	902.9	902.9	905.8	909.0
167.5°	925.1	913.0	907.0	907.9	909.0
170°	932.4	920.1	913.9	907.9	907.0
172.5°	937.4	925.1	920.1	911.9	905.8
175°	941.4	930.4	924.0	917.2	909.9
177.5°	942.5	933.3	928.2	921.1	915.0
180°	929.3	929.3	929.3	929.3	929.3

(END OF REPORT)