

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: P275133

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275133  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-50L92765-1D-UNV-W2A-W-4 (5700K)  
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 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4528.6 lumens  
Efficiency: N/A  
Efficacy: 123.7 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

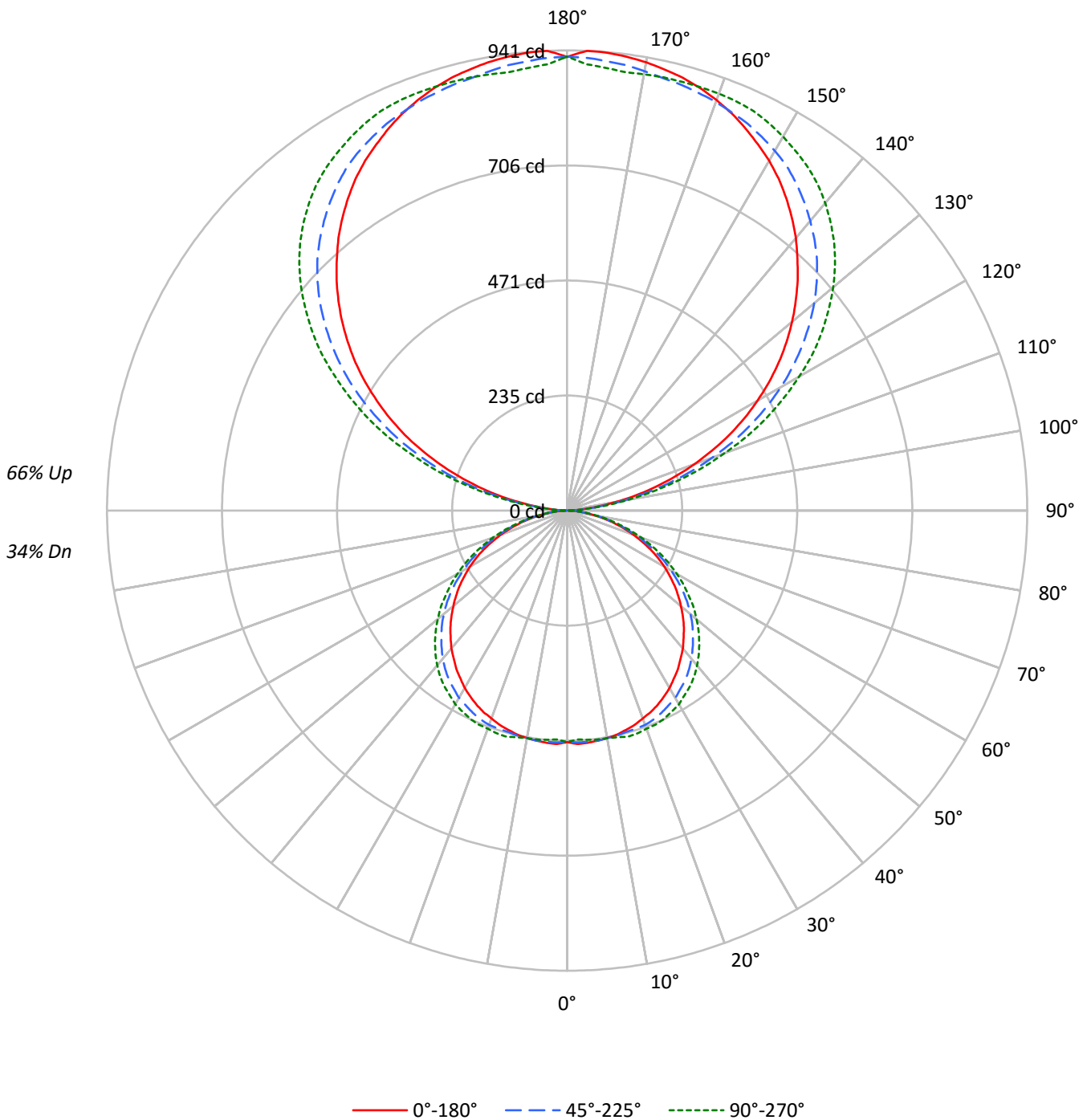
Input Watts (W): 36.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3823	3823	3823
5°	3862	3846	3812
10°	3872	3872	3872
15°	3880	3916	4002
20°	3885	4008	4077
25°	3902	4064	4182
30°	3904	4121	4264
35°	3896	4155	4318
40°	3878	4166	4358
45°	3852	4153	4362
50°	3816	4136	4340
55°	3775	4077	4276
60°	3705	3972	4185
65°	3591	3822	4040
70°	3382	3600	3788
75°	3107	3297	3456
80°	2696	2882	2985
85°	2158	2242	2362



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	1.0
10°-20°	132.9	2.9
20°-30°	209.3	4.6
30°-40°	261.5	5.8
40°-50°	278.7	6.2
50°-60°	257.0	5.7
60°-70°	197.4	4.4
70°-80°	111.8	2.5
80°-90°	29.5	0.7
90°-100°	47.5	1.0
100°-110°	223.4	4.9
110°-120°	405.0	8.9
120°-130°	520.2	11.5
130°-140°	553.4	12.2
140°-150°	509.2	11.2
150°-160°	403.2	8.9
160°-170°	256.0	5.7
170°-180°	87.8	1.9
0°-30°	387.3	8.6
0°-40°	648.7	14.3
0°-60°	1184.4	26.2
0°-90°	1523.1	33.6
90°-120°	675.9	14.9
90°-150°	2258.5	49.9
90°-180°	3006.0	66.4
0°-180°	4528.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	474	474	474	474	474	
5°	477	472	475	474	470	45
15°	464	462	468	477	479	131
25°	438	439	456	466	470	202
35°	395	402	422	432	438	247
45°	337	346	364	375	382	260
55°	268	276	290	299	304	239
65°	188	192	200	207	212	185
75°	100	102	106	110	111	106
85°	23	24	24	26	26	26
90°	1	1	1	0	0	3
95°	31	32	36	38	40	41
105°	187	195	213	227	233	198
115°	366	381	414	439	451	361
125°	528	545	586	619	636	472
135°	667	677	723	754	772	514
145°	781	778	817	842	858	488
155°	863	851	873	891	902	398
165°	916	902	902	904	908	259
175°	940	929	923	916	908	89
180°	928	928	928	928	928	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	473.5	473.5	473.5	473.5	473.5
2.5°	477.7	473.5	474.6	474.6	468.5
5°	476.6	472.4	474.6	473.5	470.4
7.5°	474.6	471.5	474.6	474.6	472.4
10°	472.4	469.5	472.4	473.5	472.4
12.5°	469.5	466.5	471.5	473.5	474.6
15°	464.3	462.3	468.5	476.6	478.8
17.5°	459.4	458.3	467.6	476.6	477.7
20°	452.2	452.2	466.5	473.5	474.6
22.5°	446.2	446.2	462.3	469.5	473.5
25°	438.1	439.0	456.3	465.6	469.5
27.5°	428.9	431.9	449.1	459.4	463.4
30°	418.8	423.8	442.1	452.2	457.4
32.5°	406.6	413.5	431.9	442.1	447.1
35°	395.3	402.5	421.6	431.9	438.1
37.5°	381.2	390.2	409.5	419.7	426.9
40°	368.0	377.2	395.3	406.6	413.5
42.5°	352.6	362.7	380.1	391.3	398.3
45°	337.4	346.5	363.8	375.0	382.1
47.5°	321.2	330.4	347.7	357.8	364.7
50°	303.8	313.9	329.3	339.4	345.6
52.5°	286.5	295.7	310.0	320.3	326.2
55°	268.2	276.3	289.7	298.9	303.8
57.5°	248.9	257.0	268.2	277.4	282.5
60°	229.5	235.7	246.0	255.0	259.2
62.5°	209.3	214.5	223.6	230.8	235.7
65°	188.0	192.1	200.1	207.3	211.5
67.5°	165.7	169.7	176.8	182.9	186.0
70°	143.3	147.3	152.5	157.4	160.5
72.5°	121.8	124.0	129.0	133.2	135.2
75°	99.6	101.6	105.7	109.7	110.8
77.5°	79.3	80.2	83.5	85.5	86.4
80°	58.0	60.0	62.0	62.9	64.2
82.5°	39.6	40.7	41.6	42.7	43.6
85°	23.3	24.2	24.2	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°	31.4	32.5	35.6	37.6	39.6
97.5°	62.9	65.1	71.0	76.3	78.3
100°	101.6	105.7	114.9	121.8	125.1
102.5°	143.3	149.3	162.7	172.8	177.8
105°	187.1	195.2	213.4	226.6	232.8
107.5°	231.7	242.0	265.3	280.5	288.6
110°	276.3	289.7	315.0	335.3	341.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	321.2	335.3	365.8	388.2	399.4
115°	365.8	381.2	413.5	439.0	451.3
117.5°	408.6	424.7	460.3	488.9	499.9
120°	449.1	466.5	505.1	534.6	547.8
122.5°	489.8	506.2	546.7	578.2	594.6
125°	528.5	544.7	586.5	618.8	636.2
127.5°	565.1	580.1	624.1	657.5	673.8
130°	600.6	614.8	659.5	692.2	710.5
132.5°	634.2	647.4	692.2	723.6	743.0
135°	666.7	676.8	722.6	754.0	772.4
137.5°	697.1	704.3	749.1	780.6	797.9
140°	727.6	729.8	773.3	802.8	821.1
142.5°	755.1	754.0	795.8	824.1	841.5
145°	780.6	777.5	817.1	842.4	857.7
147.5°	804.8	797.9	835.3	856.8	870.9
150°	826.1	817.1	849.6	870.9	883.1
152.5°	844.4	834.3	861.7	881.1	893.2
155°	862.8	850.7	872.9	891.2	901.5
157.5°	879.1	863.7	881.1	897.3	905.6
160°	893.2	878.2	889.2	901.5	907.6
162.5°	905.6	890.3	895.3	902.4	907.6
165°	915.8	901.5	901.5	904.4	907.6
167.5°	923.7	911.6	905.6	906.5	907.6
170°	930.9	918.7	912.5	906.5	905.6
172.5°	936.0	923.7	918.7	910.5	904.4
175°	940.0	929.0	922.6	915.8	908.5
177.5°	941.1	931.8	926.8	919.7	913.6
180°	927.9	927.9	927.9	927.9	927.9

(END OF REPORT)