

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: P275134

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275134  
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-50L92765-1D-UNV-W2A-W-4 (6500K)  
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 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4557.4 lumens  
Efficiency: N/A  
Efficacy: 122.5 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

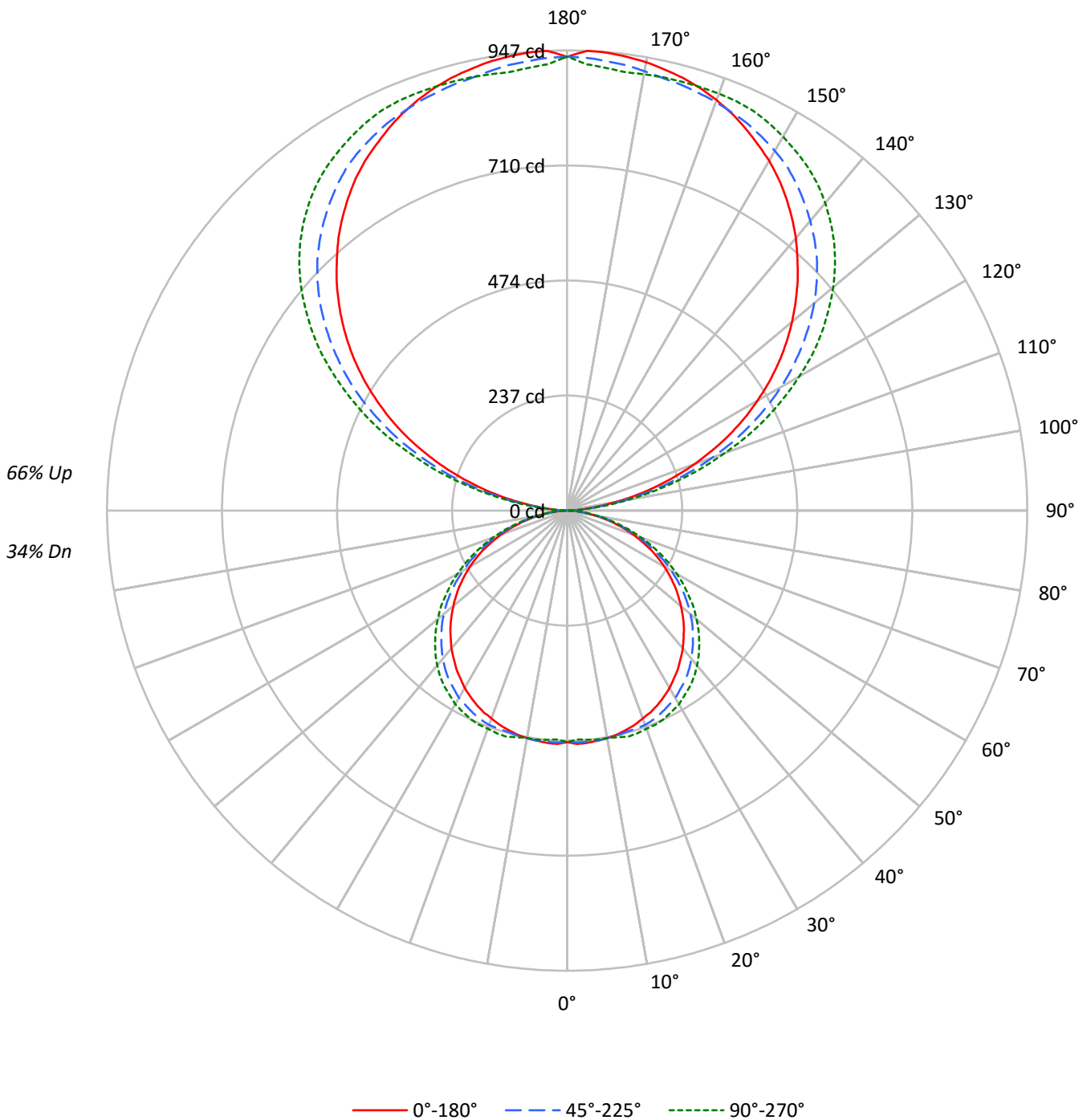
Input Watts (W): 37.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3847	3847	3847
5°	3887	3870	3836
10°	3897	3897	3897
15°	3906	3940	4027
20°	3910	4033	4103
25°	3927	4090	4209
30°	3928	4147	4291
35°	3920	4182	4345
40°	3902	4192	4385
45°	3877	4180	4390
50°	3839	4162	4368
55°	3799	4104	4303
60°	3730	3996	4211
65°	3614	3845	4065
70°	3404	3623	3812
75°	3125	3319	3478
80°	2715	2901	3003
85°	2177	2260	2371



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.5	1.0
10°-20°	133.7	2.9
20°-30°	210.6	4.6
30°-40°	263.1	5.8
40°-50°	280.5	6.2
50°-60°	258.6	5.7
60°-70°	198.6	4.4
70°-80°	112.5	2.5
80°-90°	29.7	0.7
90°-100°	47.8	1.0
100°-110°	224.8	4.9
110°-120°	407.5	8.9
120°-130°	523.5	11.5
130°-140°	556.9	12.2
140°-150°	512.4	11.2
150°-160°	405.8	8.9
160°-170°	257.6	5.7
170°-180°	88.4	1.9
0°-30°	389.7	8.6
0°-40°	652.9	14.3
0°-60°	1191.9	26.2
0°-90°	1532.8	33.6
90°-120°	680.2	14.9
90°-150°	2272.9	49.9
90°-180°	3025.0	66.4
0°-180°	4557.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	476	476	476	476	476	
5°	480	475	478	476	473	46
15°	467	465	471	480	482	132
25°	441	442	459	468	472	203
35°	398	405	424	435	441	249
45°	340	349	366	377	384	262
55°	270	278	292	301	306	241
65°	189	193	201	209	213	187
75°	100	102	106	110	112	106
85°	24	24	24	26	26	27
90°	1	1	1	0	0	3
95°	32	33	36	38	40	41
105°	188	196	215	228	234	199
115°	368	384	416	442	454	363
125°	532	548	590	623	640	475
135°	671	681	727	759	777	517
145°	786	782	822	848	863	491
155°	868	856	878	897	907	400
165°	922	907	907	910	913	260
175°	946	935	928	922	914	90
180°	934	934	934	934	934	



TEST NUMBER: P275134

CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	476.5	476.5	476.5	476.5	476.5
2.5°	480.7	476.5	477.6	477.6	471.4
5°	479.6	475.4	477.6	476.5	473.4
7.5°	477.6	474.5	477.6	477.6	475.4
10°	475.4	472.5	475.4	476.5	475.4
12.5°	472.5	469.4	474.5	476.5	477.6
15°	467.3	465.3	471.4	479.6	481.8
17.5°	462.3	461.2	470.5	479.6	480.7
20°	455.1	455.1	469.4	476.5	477.6
22.5°	449.1	449.1	465.3	472.5	476.5
25°	440.9	441.8	459.2	468.5	472.5
27.5°	431.6	434.7	452.0	462.3	466.3
30°	421.4	426.5	444.9	455.1	460.3
32.5°	409.2	416.1	434.7	444.9	450.0
35°	397.8	405.0	424.3	434.7	440.9
37.5°	383.6	392.7	412.1	422.3	429.6
40°	370.3	379.6	397.8	409.2	416.1
42.5°	354.8	365.0	382.5	393.8	400.9
45°	339.6	348.7	366.1	377.4	384.5
47.5°	323.2	332.5	349.9	360.1	367.0
50°	305.7	315.9	331.4	341.6	347.8
52.5°	288.3	297.6	311.9	322.3	328.3
55°	269.9	278.1	291.6	300.8	305.7
57.5°	250.4	258.6	269.9	279.2	284.3
60°	231.0	237.2	247.5	256.6	260.8
62.5°	210.6	215.9	225.0	232.3	237.2
65°	189.2	193.3	201.3	208.6	212.8
67.5°	166.8	170.8	177.9	184.1	187.2
70°	144.2	148.2	153.5	158.4	161.5
72.5°	122.6	124.8	129.9	134.0	136.0
75°	100.2	102.2	106.4	110.4	111.5
77.5°	79.8	80.8	84.0	86.0	86.9
80°	58.4	60.4	62.4	63.3	64.6
82.5°	39.8	40.9	41.8	42.9	43.8
85°	23.5	24.4	24.4	25.6	25.6
87.5°	10.2	11.3	11.3	11.3	11.3
90°	1.1	1.1	1.1	0.0	0.0
92.5°	10.2	10.2	11.3	12.2	13.3
95°	31.6	32.7	35.8	37.8	39.8
97.5°	63.3	65.5	71.5	76.8	78.8
100°	102.2	106.4	115.7	122.6	125.9
102.5°	144.2	150.2	163.7	173.9	179.0
105°	188.2	196.4	214.8	228.1	234.3
107.5°	233.2	243.5	267.0	282.3	290.5
110°	278.1	291.6	317.0	337.4	343.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	323.2	337.4	368.1	390.7	402.0
115°	368.1	383.6	416.1	441.8	454.2
117.5°	411.2	427.4	463.3	492.0	503.1
120°	452.0	469.4	508.4	538.0	551.3
122.5°	492.9	509.4	550.2	581.8	598.4
125°	531.8	548.2	590.2	622.8	640.2
127.5°	568.7	583.8	628.0	661.7	678.1
130°	604.4	618.8	663.7	696.6	715.0
132.5°	638.2	651.5	696.6	728.3	747.7
135°	671.0	681.1	727.2	758.8	777.4
137.5°	701.5	708.8	753.9	785.5	803.0
140°	732.3	734.4	778.3	807.9	826.3
142.5°	759.9	758.8	800.8	829.4	846.8
145°	785.5	782.5	822.3	847.7	863.2
147.5°	809.9	803.0	840.7	862.3	876.5
150°	831.4	822.3	855.0	876.5	888.7
152.5°	849.7	839.6	867.2	886.7	898.9
155°	868.3	856.1	878.5	896.9	907.2
157.5°	884.7	869.2	886.7	903.0	911.4
160°	898.9	883.8	894.9	907.2	913.4
162.5°	911.4	895.9	901.0	908.1	913.4
165°	921.6	907.2	907.2	910.1	913.4
167.5°	929.6	917.4	911.4	912.3	913.4
170°	936.9	924.5	918.3	912.3	911.4
172.5°	942.0	929.6	924.5	916.3	910.1
175°	946.0	934.9	928.5	921.6	914.3
177.5°	947.1	937.8	932.7	925.6	919.4
180°	933.8	933.8	933.8	933.8	933.8

(END OF REPORT)