

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: P275037

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

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 4525.4 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

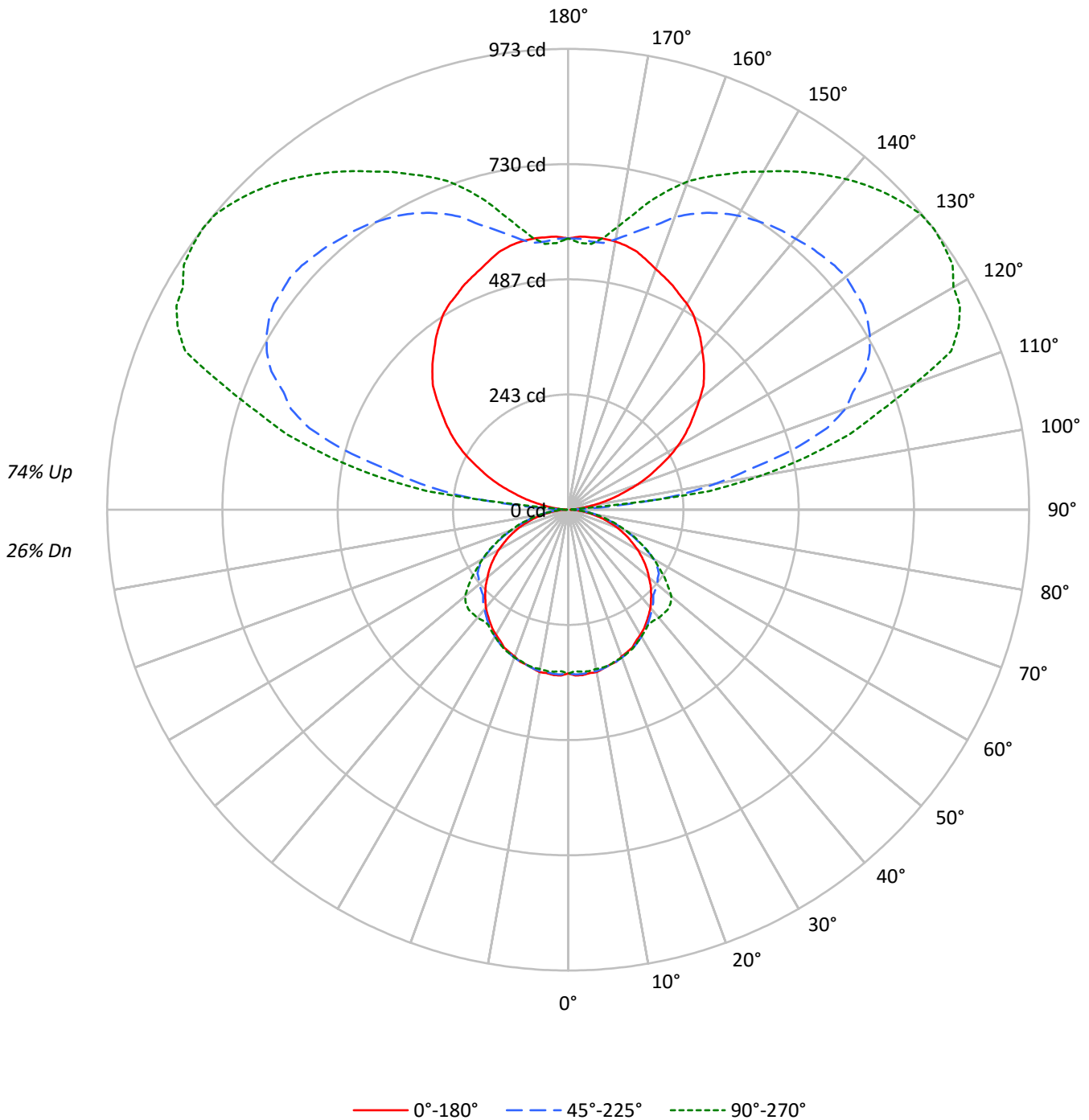
Input Watts (W): 36.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

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

	0°	45°	90°
0°	2792	2792	2792
5°	2840	2821	2784
10°	2854	2835	2798
15°	2833	2833	2833
20°	2833	2853	2853
25°	2856	2876	2876
30°	2839	2882	2882
35°	2844	2890	2912
40°	2849	2896	3137
45°	2825	2902	3399
50°	2791	3078	3567
55°	2773	3288	3482
60°	2737	3365	3365
65°	2669	3194	3238
70°	2594	3028	3080
75°	2430	2857	2929
80°	2236	2766	2664
85°	2121	2973	2547



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.0	0.7
10°-20°	95.7	2.1
20°-30°	147.9	3.3
30°-40°	183.5	4.1
40°-50°	205.3	4.5
50°-60°	200.6	4.4
60°-70°	158.3	3.5
70°-80°	95.8	2.1
80°-90°	34.1	0.8
90°-100°	117.6	2.6
100°-110°	454.6	10.0
110°-120°	624.7	13.8
120°-130°	632.0	14.0
130°-140°	560.1	12.4
140°-150°	443.0	9.8
150°-160°	309.3	6.8
160°-170°	175.0	3.9
170°-180°	54.9	1.2
0°-30°	276.6	6.1
0°-40°	460.1	10.2
0°-60°	866.1	19.1
0°-90°	1154.2	25.5
90°-120°	1196.8	26.4
90°-150°	2831.9	62.6
90°-180°	3371.0	74.5
0°-180°	4525.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	346	346	346	346	346	
5°	350	346	348	346	344	33
15°	339	337	339	339	339	96
25°	321	316	323	323	323	147
35°	289	289	293	296	296	181
45°	247	250	254	286	298	191
55°	197	199	234	247	247	176
65°	140	147	167	170	170	138
75°	78	92	92	94	94	82
85°	23	37	32	30	28	24
90°	5	14	12	2	2	4
95°	18	92	110	23	23	23
105°	101	325	492	568	614	107
115°	208	440	692	857	909	208
125°	314	508	758	923	969	281
135°	405	559	758	907	946	312
145°	474	573	735	843	870	297
155°	522	559	692	767	781	241
165°	563	561	614	666	676	158
175°	577	570	568	568	563	55
180°	573	573	573	573	573	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	345.8	345.8	345.8	345.8	345.8
2.5°	350.4	345.8	348.1	345.8	341.3
5°	350.4	345.8	348.1	345.8	343.5
7.5°	348.1	345.8	345.8	343.5	343.5
10°	348.1	343.5	345.8	343.5	341.3
12.5°	343.5	341.3	343.5	341.3	341.3
15°	339.0	336.7	339.0	339.0	339.0
17.5°	336.7	332.1	336.7	336.7	334.4
20°	329.8	327.5	332.1	332.1	332.1
22.5°	325.2	322.9	327.5	327.5	327.5
25°	320.6	316.1	322.9	322.9	322.9
27.5°	311.5	311.5	316.1	318.4	316.1
30°	304.6	302.3	309.2	311.5	309.2
32.5°	297.7	295.5	302.3	304.6	302.3
35°	288.6	288.6	293.2	295.5	295.5
37.5°	279.4	279.4	284.0	286.3	295.5
40°	270.3	270.3	274.8	288.6	297.7
42.5°	258.8	258.8	265.7	286.3	297.7
45°	247.4	249.6	254.2	286.3	297.7
47.5°	235.9	238.2	249.6	284.0	293.2
50°	222.2	226.7	245.1	277.1	284.0
52.5°	210.7	213.0	238.2	265.7	265.7
55°	197.0	199.3	233.6	247.4	247.4
57.5°	183.2	185.5	222.2	226.7	226.7
60°	169.5	171.8	208.4	208.4	208.4
62.5°	153.5	158.0	187.8	190.1	190.1
65°	139.7	146.6	167.2	169.5	169.5
67.5°	123.7	135.1	148.9	151.2	151.2
70°	109.9	123.7	128.3	130.5	130.5
72.5°	93.9	107.6	109.9	112.2	112.2
75°	77.9	91.6	91.6	93.9	93.9
77.5°	61.8	73.3	75.6	75.6	75.6
80°	48.1	55.0	59.5	57.3	57.3
82.5°	34.4	43.5	43.5	43.5	41.2
85°	22.9	36.6	32.1	29.8	27.5
87.5°	13.7	32.1	18.3	16.0	16.0
90°	4.6	13.7	11.5	2.3	2.3
92.5°	9.2	22.9	11.5	9.2	6.9
95°	18.3	91.6	109.9	22.9	22.9
97.5°	34.4	153.5	235.9	279.4	300.0
100°	52.7	229.0	316.1	387.1	412.3
102.5°	75.6	277.1	389.4	478.7	515.3
105°	100.8	325.2	492.4	568.0	613.8
107.5°	126.0	361.9	572.6	657.3	689.4
110°	155.7	391.6	623.0	769.6	778.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	183.2	414.6	650.5	824.5	874.9
115°	208.4	439.7	691.7	856.6	909.3
117.5°	238.2	458.1	716.9	874.9	932.2
120°	265.7	474.1	735.2	897.8	939.0
122.5°	290.9	492.4	748.9	916.1	961.9
125°	313.8	508.5	758.1	923.0	968.8
127.5°	336.7	522.2	760.4	925.3	973.4
130°	361.9	535.9	765.0	923.0	971.1
132.5°	387.1	549.7	762.7	916.1	959.6
135°	405.4	558.8	758.1	907.0	945.9
137.5°	423.7	565.7	753.5	893.2	929.9
140°	439.7	570.3	746.6	877.2	911.6
142.5°	458.1	572.6	742.1	861.2	890.9
145°	474.1	572.6	735.2	842.8	870.3
147.5°	490.1	570.3	726.0	824.5	847.4
150°	501.6	565.7	716.9	806.2	824.5
152.5°	510.7	561.1	705.4	785.6	803.9
155°	522.2	558.8	691.7	767.3	781.0
157.5°	531.4	558.8	675.6	746.6	760.4
160°	540.5	558.8	657.3	726.0	737.5
162.5°	552.0	558.8	632.1	696.3	707.7
165°	563.4	561.1	613.8	666.5	675.6
167.5°	570.3	561.1	595.5	629.8	639.0
170°	574.9	565.7	579.5	604.6	606.9
172.5°	577.2	570.3	568.0	579.5	579.5
175°	577.2	570.3	568.0	568.0	563.4
177.5°	577.2	572.6	572.6	570.3	563.4
180°	572.6	572.6	572.6	572.6	572.6

(END OF REPORT)