

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: P275118

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275118  
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-40L92765-1D-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: 3649.9 lumens  
Efficiency: N/A  
Efficacy: 125.0 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

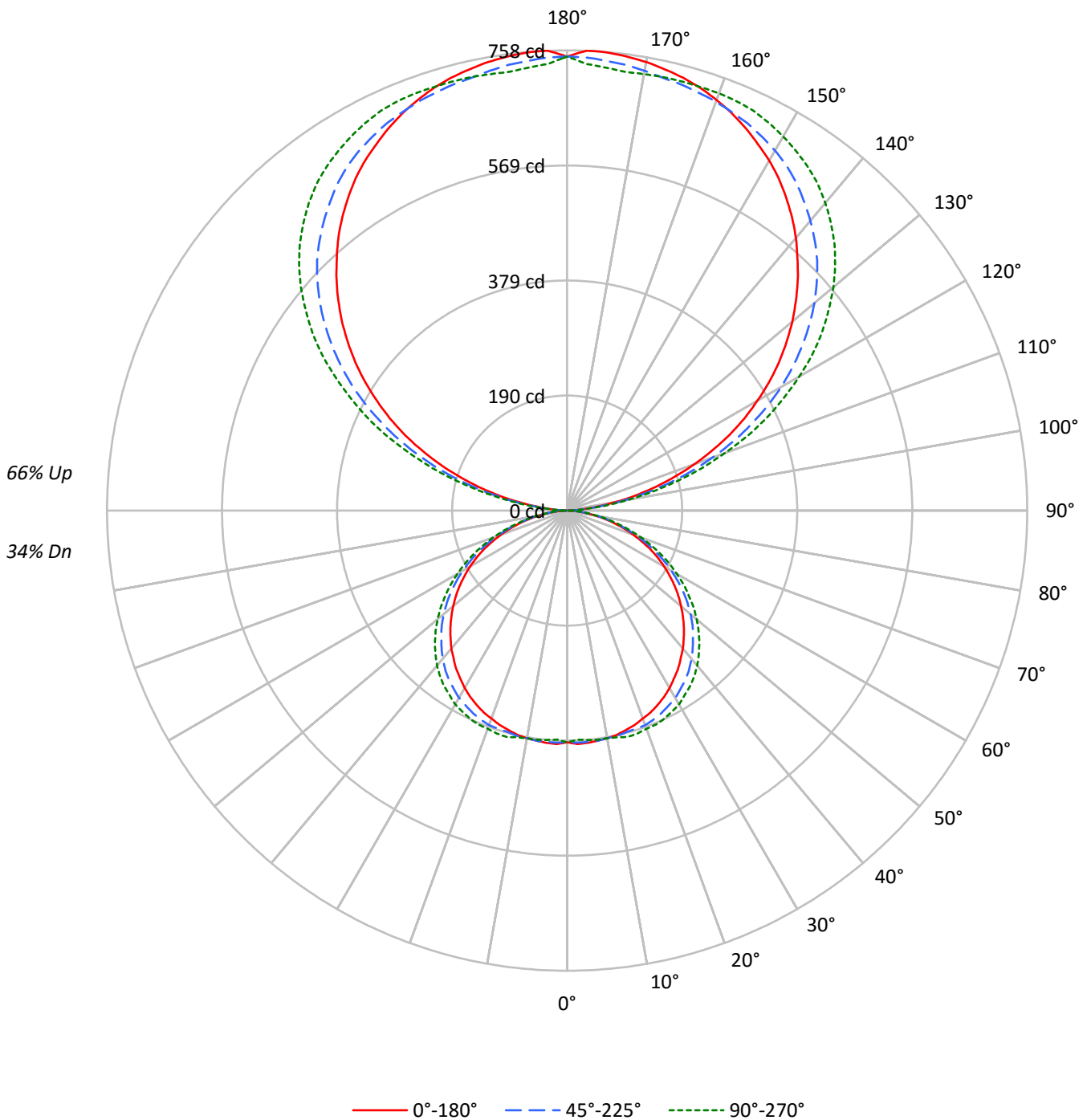
Input Watts (W): 29.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3081	3081	3081
5°	3113	3100	3073
10°	3122	3122	3122
15°	3127	3156	3225
20°	3131	3230	3286
25°	3145	3276	3371
30°	3146	3321	3437
35°	3140	3349	3480
40°	3126	3358	3512
45°	3105	3347	3515
50°	3076	3333	3498
55°	3043	3286	3447
60°	2987	3200	3373
65°	2894	3079	3255
70°	2726	2901	3052
75°	2505	2658	2785
80°	2176	2325	2404
85°	1741	1806	1899



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.4	1.0
10°-20°	107.1	2.9
20°-30°	168.7	4.6
30°-40°	210.7	5.8
40°-50°	224.6	6.2
50°-60°	207.1	5.7
60°-70°	159.1	4.4
70°-80°	90.1	2.5
80°-90°	23.8	0.7
90°-100°	38.3	1.0
100°-110°	180.1	4.9
110°-120°	326.4	8.9
120°-130°	419.2	11.5
130°-140°	446.0	12.2
140°-150°	410.4	11.2
150°-160°	325.0	8.9
160°-170°	206.3	5.7
170°-180°	70.8	1.9
0°-30°	312.1	8.6
0°-40°	522.9	14.3
0°-60°	954.6	26.2
0°-90°	1227.6	33.6
90°-120°	544.7	14.9
90°-150°	1820.3	49.9
90°-180°	2422.0	66.4
0°-180°	3649.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	384	381	382	382	379	37
15°	374	373	378	384	386	106
25°	353	354	368	375	378	163
35°	319	324	340	348	353	199
45°	272	279	293	302	308	210
55°	216	223	234	241	245	193
65°	152	155	161	167	170	149
75°	80	82	85	88	89	85
85°	19	20	20	20	20	21
90°	1	1	1	0	0	2
95°	25	26	29	30	32	33
105°	151	157	172	183	188	160
115°	295	307	333	354	364	291
125°	426	439	473	499	513	380
135°	537	546	582	608	623	414
145°	629	627	658	679	691	394
155°	695	686	704	718	727	321
165°	738	727	727	729	732	208
175°	758	749	744	738	732	72
180°	748	748	748	748	748	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	381.6	381.6	381.6	381.6	381.6
2.5°	385.0	381.6	382.5	382.5	377.6
5°	384.1	380.8	382.5	381.6	379.2
7.5°	382.5	380.0	382.5	382.5	380.8
10°	380.8	378.4	380.8	381.6	380.8
12.5°	378.4	376.0	380.0	381.6	382.5
15°	374.2	372.6	377.6	384.1	385.9
17.5°	370.3	369.4	376.8	384.1	385.0
20°	364.5	364.5	376.0	381.6	382.5
22.5°	359.6	359.6	372.6	378.4	381.6
25°	353.1	353.8	367.8	375.2	378.4
27.5°	345.7	348.1	362.0	370.3	373.5
30°	337.5	341.6	356.3	364.5	368.7
32.5°	327.7	333.3	348.1	356.3	360.4
35°	318.6	324.4	339.8	348.1	353.1
37.5°	307.2	314.5	330.1	338.2	344.1
40°	296.6	304.0	318.6	327.7	333.3
42.5°	284.2	292.3	306.3	315.4	321.0
45°	272.0	279.2	293.2	302.3	307.9
47.5°	258.8	266.3	280.3	288.4	293.9
50°	244.9	253.0	265.4	273.6	278.5
52.5°	230.9	238.3	249.8	258.1	262.9
55°	216.2	222.7	233.5	240.9	244.9
57.5°	200.6	207.1	216.2	223.6	227.7
60°	185.0	189.9	198.2	205.5	208.9
62.5°	168.7	172.9	180.2	186.0	189.9
65°	151.5	154.8	161.2	167.1	170.4
67.5°	133.6	136.8	142.5	147.4	149.9
70°	115.5	118.7	122.9	126.9	129.3
72.5°	98.2	99.9	104.0	107.4	109.0
75°	80.3	81.9	85.2	88.4	89.3
77.5°	63.9	64.7	67.3	68.9	69.6
80°	46.8	48.4	50.0	50.7	51.7
82.5°	31.9	32.8	33.5	34.4	35.1
85°	18.8	19.5	19.5	20.5	20.5
87.5°	8.2	9.0	9.0	9.0	9.0
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.2	8.2	9.0	9.8	10.6
95°	25.3	26.2	28.7	30.3	31.9
97.5°	50.7	52.4	57.2	61.5	63.1
100°	81.9	85.2	92.6	98.2	100.8
102.5°	115.5	120.3	131.1	139.3	143.3
105°	150.8	157.3	172.0	182.7	187.6
107.5°	186.7	195.0	213.8	226.1	232.6
110°	222.7	233.5	253.9	270.2	275.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	258.8	270.2	294.8	312.9	321.9
115°	294.8	307.2	333.3	353.8	363.7
117.5°	329.3	342.3	371.0	394.0	402.9
120°	362.0	376.0	407.1	430.9	441.5
122.5°	394.7	408.0	440.6	466.0	479.2
125°	425.9	439.0	472.7	498.8	512.7
127.5°	455.5	467.6	503.0	529.9	543.0
130°	484.0	495.5	531.5	557.9	572.6
132.5°	511.1	521.8	557.9	583.2	598.8
135°	537.4	545.5	582.4	607.7	622.6
137.5°	561.8	567.7	603.8	629.1	643.1
140°	586.4	588.2	623.3	647.0	661.7
142.5°	608.6	607.7	641.4	664.2	678.2
145°	629.1	626.6	658.5	678.9	691.3
147.5°	648.6	643.1	673.3	690.6	702.0
150°	665.8	658.5	684.8	702.0	711.7
152.5°	680.5	672.4	694.5	710.1	719.9
155°	695.4	685.6	703.6	718.3	726.6
157.5°	708.5	696.1	710.1	723.2	729.9
160°	719.9	707.8	716.7	726.6	731.5
162.5°	729.9	717.5	721.6	727.3	731.5
165°	738.1	726.6	726.6	728.9	731.5
167.5°	744.5	734.7	729.9	730.6	731.5
170°	750.3	740.4	735.5	730.6	729.9
172.5°	754.4	744.5	740.4	733.9	728.9
175°	757.6	748.7	743.6	738.1	732.3
177.5°	758.5	751.0	747.0	741.3	736.3
180°	747.8	747.8	747.8	747.8	747.8

(END OF REPORT)