

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: P275146

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275146  
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 (4000K)  
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 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5108.2 lumens  
Efficiency: N/A  
Efficacy: 114.5 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

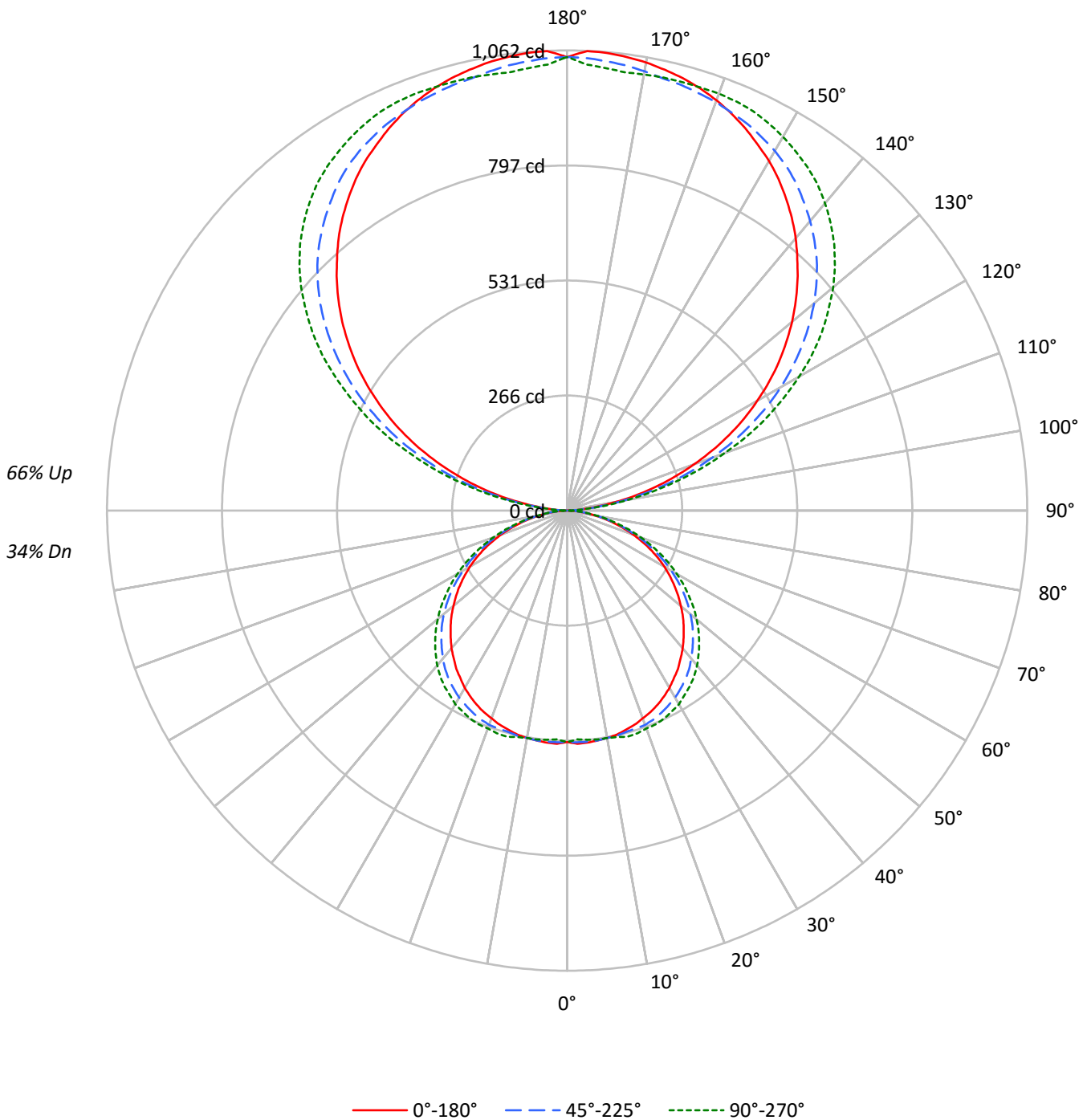
Input Watts (W): 44.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4312	4312	4312
5°	4357	4338	4301
10°	4368	4368	4368
15°	4377	4416	4513
20°	4382	4521	4599
25°	4402	4586	4717
30°	4404	4648	4810
35°	4393	4687	4870
40°	4375	4698	4915
45°	4345	4685	4921
50°	4304	4665	4896
55°	4258	4600	4823
60°	4180	4480	4719
65°	4050	4311	4556
70°	3817	4062	4272
75°	3503	3721	3899
80°	3040	3250	3366
85°	2436	2529	2658



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.0	1.0
10°-20°	149.9	2.9
20°-30°	236.0	4.6
30°-40°	294.9	5.8
40°-50°	314.4	6.2
50°-60°	289.9	5.7
60°-70°	222.6	4.4
70°-80°	126.1	2.5
80°-90°	33.2	0.7
90°-100°	53.6	1.0
100°-110°	252.0	4.9
110°-120°	456.8	8.9
120°-130°	586.7	11.5
130°-140°	624.2	12.2
140°-150°	574.3	11.2
150°-160°	454.8	8.9
160°-170°	288.7	5.7
170°-180°	99.0	1.9
0°-30°	436.9	8.6
0°-40°	731.8	14.3
0°-60°	1336.0	26.2
0°-90°	1718.0	33.6
90°-120°	762.4	14.9
90°-150°	2547.6	49.9
90°-180°	3390.0	66.4
0°-180°	5108.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	538	533	535	534	531	51
15°	524	522	528	538	540	148
25°	494	495	515	525	530	228
35°	446	454	476	487	494	279
45°	381	391	410	423	431	293
55°	302	312	327	337	343	270
65°	212	217	226	234	238	209
75°	112	115	119	124	125	119
85°	26	27	27	29	29	30
90°	1	1	1	0	0	3
95°	36	37	40	42	45	46
105°	211	220	241	256	263	223
115°	413	430	466	495	509	407
125°	596	614	662	698	718	532
135°	752	764	815	850	871	580
145°	880	877	922	950	968	551
155°	973	960	985	1005	1017	449
165°	1033	1017	1017	1020	1024	292
175°	1060	1048	1041	1033	1025	101
180°	1047	1047	1047	1047	1047	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	534.1	534.1	534.1	534.1	534.1
2.5°	538.8	534.1	535.3	535.3	528.4
5°	537.6	532.9	535.3	534.1	530.7
7.5°	535.3	531.9	535.3	535.3	532.9
10°	532.9	529.6	532.9	534.1	532.9
12.5°	529.6	526.2	531.9	534.1	535.3
15°	523.7	521.5	528.4	537.6	540.0
17.5°	518.2	517.0	527.4	537.6	538.8
20°	510.1	510.1	526.2	534.1	535.3
22.5°	503.3	503.3	521.5	529.6	534.1
25°	494.2	495.2	514.8	525.2	529.6
27.5°	483.8	487.2	506.6	518.2	522.7
30°	472.4	478.1	498.6	510.1	516.0
32.5°	458.7	466.4	487.2	498.6	504.4
35°	445.8	454.0	475.6	487.2	494.2
37.5°	429.9	440.1	462.0	473.4	481.5
40°	415.1	425.5	445.8	458.7	466.4
42.5°	397.7	409.2	428.7	441.4	449.3
45°	380.6	390.8	410.4	423.0	431.0
47.5°	362.3	372.7	392.2	403.6	411.4
50°	342.7	354.1	371.4	382.9	389.8
52.5°	323.1	333.5	349.6	361.2	368.0
55°	302.5	311.7	326.8	337.2	342.7
57.5°	280.7	289.9	302.5	312.9	318.6
60°	258.9	265.8	277.5	287.7	292.3
62.5°	236.1	242.0	252.2	260.3	265.8
65°	212.0	216.7	225.7	233.8	238.5
67.5°	186.9	191.4	199.4	206.3	209.8
70°	161.7	166.1	172.1	177.6	181.0
72.5°	137.4	139.8	145.6	150.2	152.5
75°	112.3	114.6	119.3	123.7	125.0
77.5°	89.5	90.5	94.2	96.4	97.4
80°	65.4	67.7	69.9	70.9	72.4
82.5°	44.6	45.9	46.9	48.1	49.1
85°	26.3	27.3	27.3	28.7	28.7
87.5°	11.4	12.6	12.6	12.6	12.6
90°	1.2	1.2	1.2	0.0	0.0
92.5°	11.4	11.4	12.6	13.7	14.9
95°	35.5	36.7	40.2	42.4	44.6
97.5°	70.9	73.4	80.1	86.0	88.3
100°	114.6	119.3	129.7	137.4	141.1
102.5°	161.7	168.4	183.5	194.9	200.6
105°	211.0	220.2	240.8	255.6	262.6
107.5°	261.4	273.0	299.3	316.4	325.6
110°	311.7	326.8	355.3	378.2	385.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	362.3	378.2	412.6	437.9	450.5
115°	412.6	429.9	466.4	495.2	509.0
117.5°	460.9	479.1	519.2	551.4	563.9
120°	506.6	526.2	569.8	603.0	617.9
122.5°	552.5	571.0	616.7	652.2	670.7
125°	596.1	614.4	661.5	698.0	717.6
127.5°	637.5	654.4	703.9	741.7	760.0
130°	677.4	693.5	743.9	780.8	801.4
132.5°	715.4	730.2	780.8	816.3	838.1
135°	752.1	763.5	815.0	850.5	871.3
137.5°	786.3	794.5	845.0	880.5	900.1
140°	820.8	823.2	872.3	905.6	926.1
142.5°	851.7	850.5	897.6	929.6	949.2
145°	880.5	877.0	921.7	950.2	967.5
147.5°	907.8	900.1	942.3	966.5	982.4
150°	931.9	921.7	958.4	982.4	996.1
152.5°	952.4	941.0	972.0	993.8	1007.5
155°	973.2	959.6	984.7	1005.2	1016.9
157.5°	991.6	974.3	993.8	1012.2	1021.6
160°	1007.5	990.6	1003.0	1016.9	1023.8
162.5°	1021.6	1004.2	1009.9	1017.9	1023.8
165°	1033.0	1016.9	1016.9	1020.1	1023.8
167.5°	1041.9	1028.3	1021.6	1022.6	1023.8
170°	1050.1	1036.2	1029.3	1022.6	1021.6
172.5°	1055.8	1041.9	1036.2	1027.1	1020.1
175°	1060.3	1047.9	1040.7	1033.0	1024.8
177.5°	1061.5	1051.1	1045.4	1037.5	1030.5
180°	1046.6	1046.6	1046.6	1046.6	1046.6

(END OF REPORT)