

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: P275139

Luminaire Tested: **J3-FL-60L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275139  
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-60L82765-1D-UNV-W2A-W-4 (4500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5877.6 lumens  
Efficiency: N/A  
Efficacy: 130.9 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

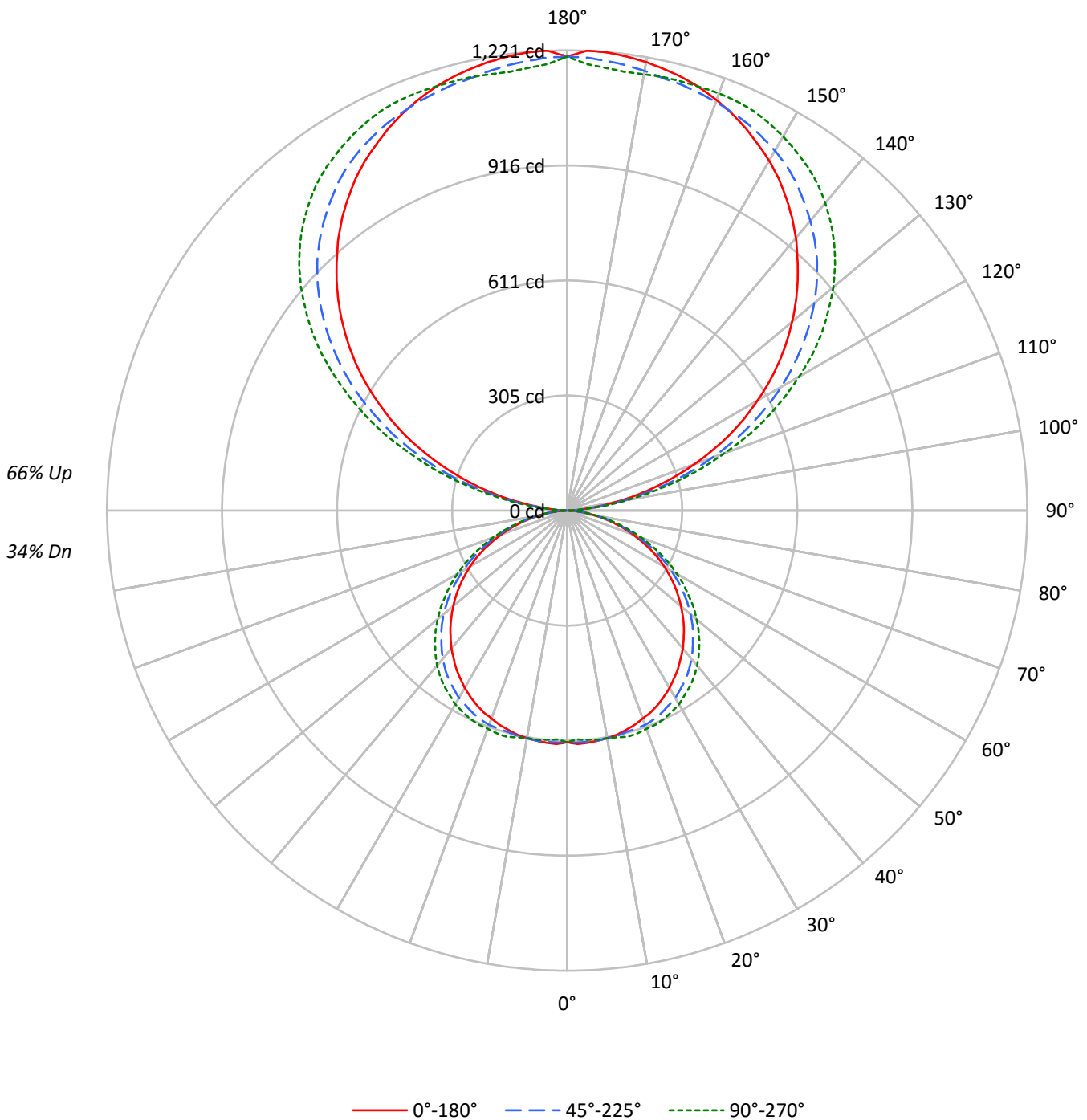
Input Watts (W): 44.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4962	4962	4962
5°	5013	4992	4948
10°	5027	5027	5027
15°	5036	5081	5193
20°	5042	5201	5292
25°	5065	5276	5428
30°	5066	5349	5534
35°	5056	5393	5604
40°	5033	5406	5656
45°	4999	5391	5662
50°	4952	5368	5633
55°	4899	5292	5550
60°	4810	5154	5431
65°	4661	4961	5242
70°	4390	4674	4917
75°	4030	4279	4485
80°	3501	3742	3873
85°	2807	2908	3066



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	1.0
10°-20°	172.4	2.9
20°-30°	271.6	4.6
30°-40°	339.3	5.8
40°-50°	361.7	6.2
50°-60°	333.6	5.7
60°-70°	256.2	4.4
70°-80°	145.1	2.5
80°-90°	38.2	0.7
90°-100°	61.6	1.0
100°-110°	290.0	4.9
110°-120°	525.6	8.9
120°-130°	675.1	11.5
130°-140°	718.2	12.2
140°-150°	660.8	11.2
150°-160°	523.3	8.9
160°-170°	332.2	5.7
170°-180°	114.0	1.9
0°-30°	502.7	8.6
0°-40°	842.0	14.3
0°-60°	1537.3	26.2
0°-90°	1976.8	33.6
90°-120°	877.2	14.9
90°-150°	2931.3	49.9
90°-180°	3901.0	66.4
0°-180°	5877.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	619	613	616	615	611	59
15°	603	600	608	619	621	170
25°	569	570	592	604	609	262
35°	513	522	547	561	569	321
45°	438	450	472	487	496	338
55°	348	359	376	388	394	311
65°	244	249	260	269	274	241
75°	129	132	137	142	144	137
85°	30	31	31	33	33	34
90°	1	1	1	0	0	4
95°	41	42	46	49	51	53
105°	243	253	277	294	302	257
115°	475	495	537	570	586	468
125°	686	707	761	803	826	612
135°	865	878	938	979	1002	667
145°	1013	1009	1060	1093	1113	634
155°	1120	1104	1133	1157	1170	516
165°	1189	1170	1170	1174	1178	336
175°	1220	1206	1198	1189	1179	116
180°	1204	1204	1204	1204	1204	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	614.6	614.6	614.6	614.6	614.6
2.5°	620.0	614.6	616.0	616.0	608.0
5°	618.6	613.2	616.0	614.6	610.6
7.5°	616.0	612.0	616.0	616.0	613.2
10°	613.2	609.4	613.2	614.6	613.2
12.5°	609.4	605.4	612.0	614.6	616.0
15°	602.6	600.0	608.0	618.6	621.4
17.5°	596.3	594.9	606.8	618.6	620.0
20°	586.9	586.9	605.4	614.6	616.0
22.5°	579.2	579.2	600.0	609.4	614.6
25°	568.6	569.8	592.3	604.3	609.4
27.5°	556.6	560.6	582.9	596.3	601.4
30°	543.5	550.1	573.8	586.9	593.7
32.5°	527.8	536.7	560.6	573.8	580.3
35°	513.0	522.4	547.2	560.6	568.6
37.5°	494.7	506.4	531.5	544.7	554.1
40°	477.6	489.5	513.0	527.8	536.7
42.5°	457.6	470.8	493.3	507.8	517.0
45°	437.9	449.7	472.2	486.7	495.9
47.5°	416.8	428.8	451.3	464.4	473.4
50°	394.3	407.4	427.4	440.5	448.5
52.5°	371.8	383.8	402.3	415.7	423.4
55°	348.1	358.7	376.0	388.0	394.3
57.5°	323.0	333.6	348.1	360.1	366.6
60°	297.9	305.9	319.2	331.0	336.4
62.5°	271.6	278.4	290.2	299.5	305.9
65°	244.0	249.3	259.7	269.1	274.4
67.5°	215.1	220.3	229.4	237.4	241.4
70°	186.0	191.2	198.0	204.3	208.3
72.5°	158.1	160.9	167.5	172.9	175.5
75°	129.2	131.8	137.2	142.4	143.8
77.5°	103.0	104.1	108.4	111.0	112.1
80°	75.3	77.9	80.5	81.6	83.3
82.5°	51.4	52.8	54.0	55.4	56.5
85°	30.3	31.4	31.4	33.1	33.1
87.5°	13.1	14.5	14.5	14.5	14.5
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.1	13.1	14.5	15.7	17.1
95°	40.8	42.2	46.2	48.8	51.4
97.5°	81.6	84.4	92.2	99.0	101.6
100°	131.8	137.2	149.2	158.1	162.3
102.5°	186.0	193.8	211.1	224.2	230.8
105°	242.8	253.3	277.0	294.1	302.1
107.5°	300.7	314.1	344.3	364.1	374.6
110°	358.7	376.0	408.9	435.1	443.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	416.8	435.1	474.8	503.9	518.4
115°	474.8	494.7	536.7	569.8	585.7
117.5°	530.4	551.2	597.4	634.5	648.8
120°	582.9	605.4	655.6	693.9	711.0
122.5°	635.7	657.0	709.6	750.4	771.7
125°	685.9	707.0	761.2	803.2	825.7
127.5°	733.5	753.0	810.0	853.4	874.5
130°	779.5	798.0	855.9	898.4	922.1
132.5°	823.1	840.2	898.4	939.2	964.3
135°	865.3	878.5	937.8	978.6	1002.5
137.5°	904.7	914.1	972.3	1013.1	1035.6
140°	944.4	947.2	1003.7	1042.0	1065.6
142.5°	980.0	978.6	1032.8	1069.6	1092.2
145°	1013.1	1009.1	1060.5	1093.3	1113.3
147.5°	1044.5	1035.6	1084.2	1112.1	1130.4
150°	1072.2	1060.5	1102.7	1130.4	1146.1
152.5°	1095.9	1082.8	1118.4	1143.5	1159.2
155°	1119.8	1104.1	1133.0	1156.7	1170.0
157.5°	1140.9	1121.0	1143.5	1164.6	1175.4
160°	1159.2	1139.8	1154.1	1170.0	1178.0
162.5°	1175.4	1155.5	1162.1	1171.2	1178.0
165°	1188.6	1170.0	1170.0	1173.8	1178.0
167.5°	1198.9	1183.2	1175.4	1176.6	1178.0
170°	1208.3	1192.3	1184.3	1176.6	1175.4
172.5°	1214.8	1198.9	1192.3	1181.8	1173.8
175°	1220.0	1205.7	1197.5	1188.6	1179.2
177.5°	1221.4	1209.4	1202.9	1193.7	1185.7
180°	1204.3	1204.3	1204.3	1204.3	1204.3

(END OF REPORT)