

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: P275136

Luminaire Tested: **J3-FL-60L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275136  
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 (3000K)  
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 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5461.1 lumens  
Efficiency: N/A  
Efficacy: 124.7 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

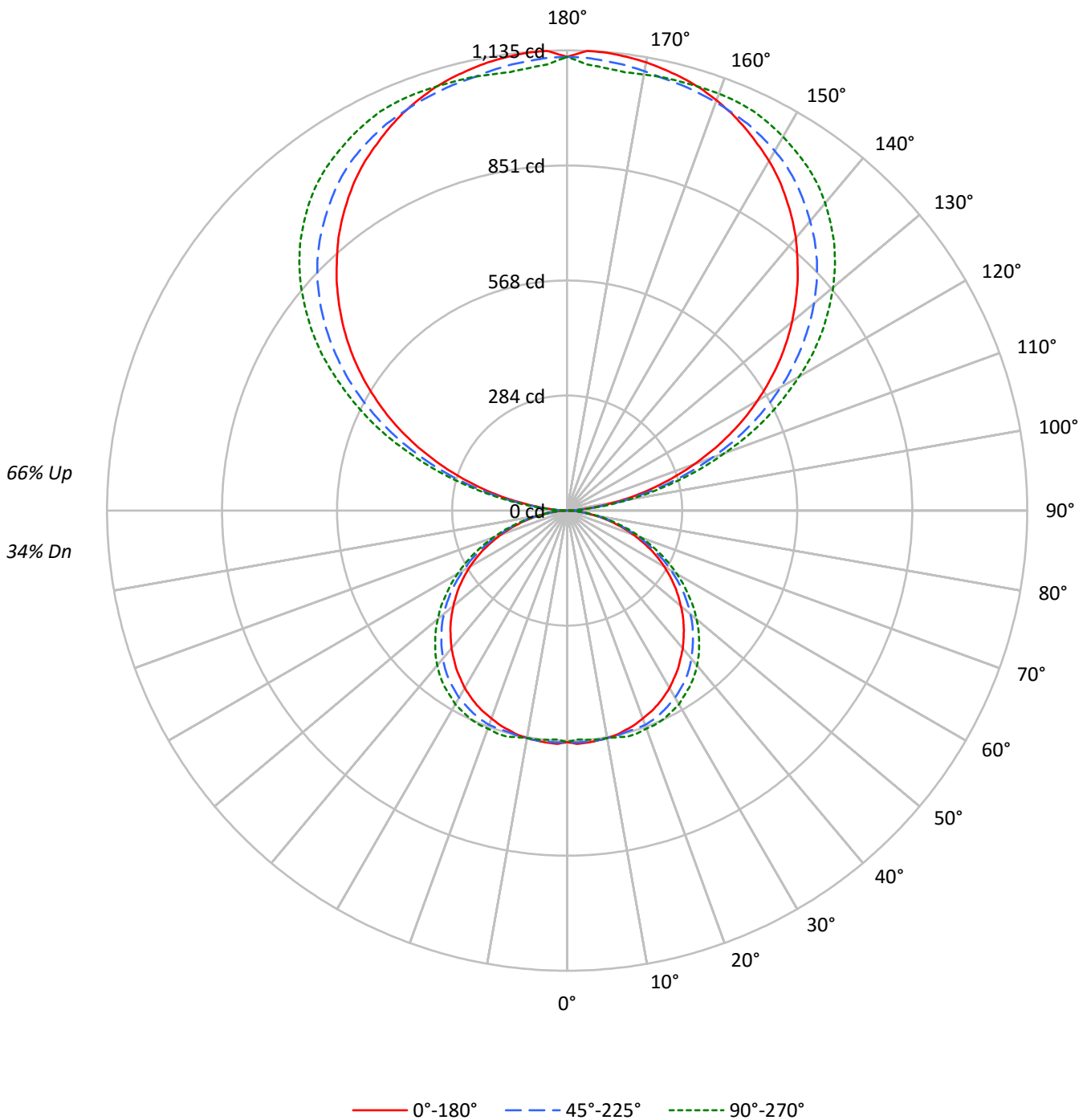
Input Watts (W): 43.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4610	4610	4610
5°	4657	4638	4597
10°	4670	4670	4670
15°	4679	4721	4825
20°	4685	4832	4917
25°	4706	4902	5043
30°	4708	4969	5142
35°	4697	5011	5207
40°	4676	5023	5256
45°	4646	5009	5260
50°	4602	4987	5233
55°	4552	4918	5157
60°	4469	4789	5046
65°	4330	4609	4871
70°	4079	4341	4567
75°	3746	3977	4167
80°	3254	3477	3598
85°	2603	2705	2844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	1.0
10°-20°	160.2	2.9
20°-30°	252.3	4.6
30°-40°	315.3	5.8
40°-50°	336.1	6.2
50°-60°	309.9	5.7
60°-70°	238.0	4.4
70°-80°	134.9	2.5
80°-90°	35.5	0.7
90°-100°	57.2	1.0
100°-110°	269.4	4.9
110°-120°	488.3	8.9
120°-130°	627.3	11.5
130°-140°	667.3	12.2
140°-150°	614.0	11.2
150°-160°	486.2	8.9
160°-170°	308.7	5.7
170°-180°	105.9	1.9
0°-30°	467.0	8.6
0°-40°	782.3	14.3
0°-60°	1428.3	26.2
0°-90°	1836.7	33.6
90°-120°	815.0	14.9
90°-150°	2723.6	49.9
90°-180°	3624.0	66.4
0°-180°	5461.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	571	571	571	571	571	
5°	575	570	572	571	567	55
15°	560	558	565	575	577	158
25°	528	529	550	561	566	243
35°	477	485	508	521	528	298
45°	407	418	439	452	461	314
55°	323	333	349	360	366	289
65°	227	232	241	250	255	224
75°	120	122	128	132	134	128
85°	28	29	29	31	31	32
90°	1	1	1	0	0	4
95°	38	39	43	45	48	49
105°	226	235	257	273	281	239
115°	441	460	499	529	544	435
125°	637	657	707	746	767	569
135°	804	816	871	909	932	620
145°	941	938	985	1016	1034	589
155°	1040	1026	1053	1075	1087	480
165°	1104	1087	1087	1091	1094	312
175°	1134	1120	1113	1104	1096	108
180°	1119	1119	1119	1119	1119	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	571.0	571.0	571.0	571.0	571.0
2.5°	576.0	571.0	572.3	572.3	564.9
5°	574.7	569.7	572.3	571.0	567.3
7.5°	572.3	568.6	572.3	572.3	569.7
10°	569.7	566.2	569.7	571.0	569.7
12.5°	566.2	562.5	568.6	571.0	572.3
15°	559.9	557.5	564.9	574.7	577.3
17.5°	554.0	552.7	563.8	574.7	576.0
20°	545.3	545.3	562.5	571.0	572.3
22.5°	538.1	538.1	557.5	566.2	571.0
25°	528.3	529.4	550.3	561.4	566.2
27.5°	517.2	520.9	541.6	554.0	558.8
30°	505.0	511.1	533.1	545.3	551.6
32.5°	490.4	498.7	520.9	533.1	539.2
35°	476.6	485.4	508.5	520.9	528.3
37.5°	459.6	470.5	493.9	506.1	514.8
40°	443.7	454.9	476.6	490.4	498.7
42.5°	425.2	437.4	458.3	471.9	480.4
45°	406.9	417.8	438.7	452.2	460.7
47.5°	387.3	398.4	419.3	431.5	439.8
50°	366.4	378.6	397.1	409.3	416.7
52.5°	345.4	356.6	373.8	386.2	393.4
55°	323.4	333.2	349.4	360.5	366.4
57.5°	300.1	309.9	323.4	334.5	340.7
60°	276.8	284.2	296.6	307.5	312.5
62.5°	252.4	258.7	269.6	278.3	284.2
65°	226.7	231.7	241.3	250.0	255.0
67.5°	199.9	204.7	213.2	220.6	224.3
70°	172.8	177.6	183.9	189.8	193.5
72.5°	146.9	149.5	155.6	160.6	163.0
75°	120.1	122.5	127.5	132.3	133.6
77.5°	95.7	96.8	100.7	103.1	104.2
80°	70.0	72.4	74.8	75.8	77.4
82.5°	47.7	49.0	50.1	51.4	52.5
85°	28.1	29.2	29.2	30.7	30.7
87.5°	12.2	13.5	13.5	13.5	13.5
90°	1.3	1.3	1.3	0.0	0.0
92.5°	12.2	12.2	13.5	14.6	15.9
95°	37.9	39.2	42.9	45.3	47.7
97.5°	75.8	78.5	85.7	92.0	94.4
100°	122.5	127.5	138.6	146.9	150.8
102.5°	172.8	180.0	196.2	208.4	214.5
105°	225.6	235.4	257.4	273.3	280.7
107.5°	279.4	291.8	319.9	338.3	348.1
110°	333.2	349.4	379.9	404.3	411.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	387.3	404.3	441.1	468.1	481.7
115°	441.1	459.6	498.7	529.4	544.2
117.5°	492.8	512.2	555.1	589.5	602.8
120°	541.6	562.5	609.2	644.7	660.6
122.5°	590.6	610.5	659.3	697.2	717.0
125°	637.3	656.9	707.2	746.2	767.2
127.5°	681.5	699.6	752.6	792.9	812.5
130°	724.2	741.5	795.3	834.7	856.7
132.5°	764.8	780.7	834.7	872.7	896.0
135°	804.0	816.2	871.3	909.3	931.5
137.5°	840.6	849.3	903.4	941.3	962.2
140°	877.5	880.1	932.6	968.1	990.1
142.5°	910.6	909.3	959.6	993.8	1014.8
145°	941.3	937.6	985.3	1015.8	1034.4
147.5°	970.5	962.2	1007.3	1033.3	1050.3
150°	996.2	985.3	1024.6	1050.3	1064.9
152.5°	1018.2	1006.0	1039.2	1062.5	1077.1
155°	1040.5	1025.9	1052.7	1074.7	1087.1
157.5°	1060.1	1041.6	1062.5	1082.1	1092.1
160°	1077.1	1059.0	1072.3	1087.1	1094.5
162.5°	1092.1	1073.6	1079.7	1088.2	1094.5
165°	1104.3	1087.1	1087.1	1090.6	1094.5
167.5°	1113.9	1099.3	1092.1	1093.2	1094.5
170°	1122.6	1107.8	1100.4	1093.2	1092.1
172.5°	1128.7	1113.9	1107.8	1098.0	1090.6
175°	1133.5	1120.2	1112.6	1104.3	1095.6
177.5°	1134.8	1123.7	1117.6	1109.1	1101.7
180°	1118.9	1118.9	1118.9	1118.9	1118.9

(END OF REPORT)