

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: P275237

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275237  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6295.5 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

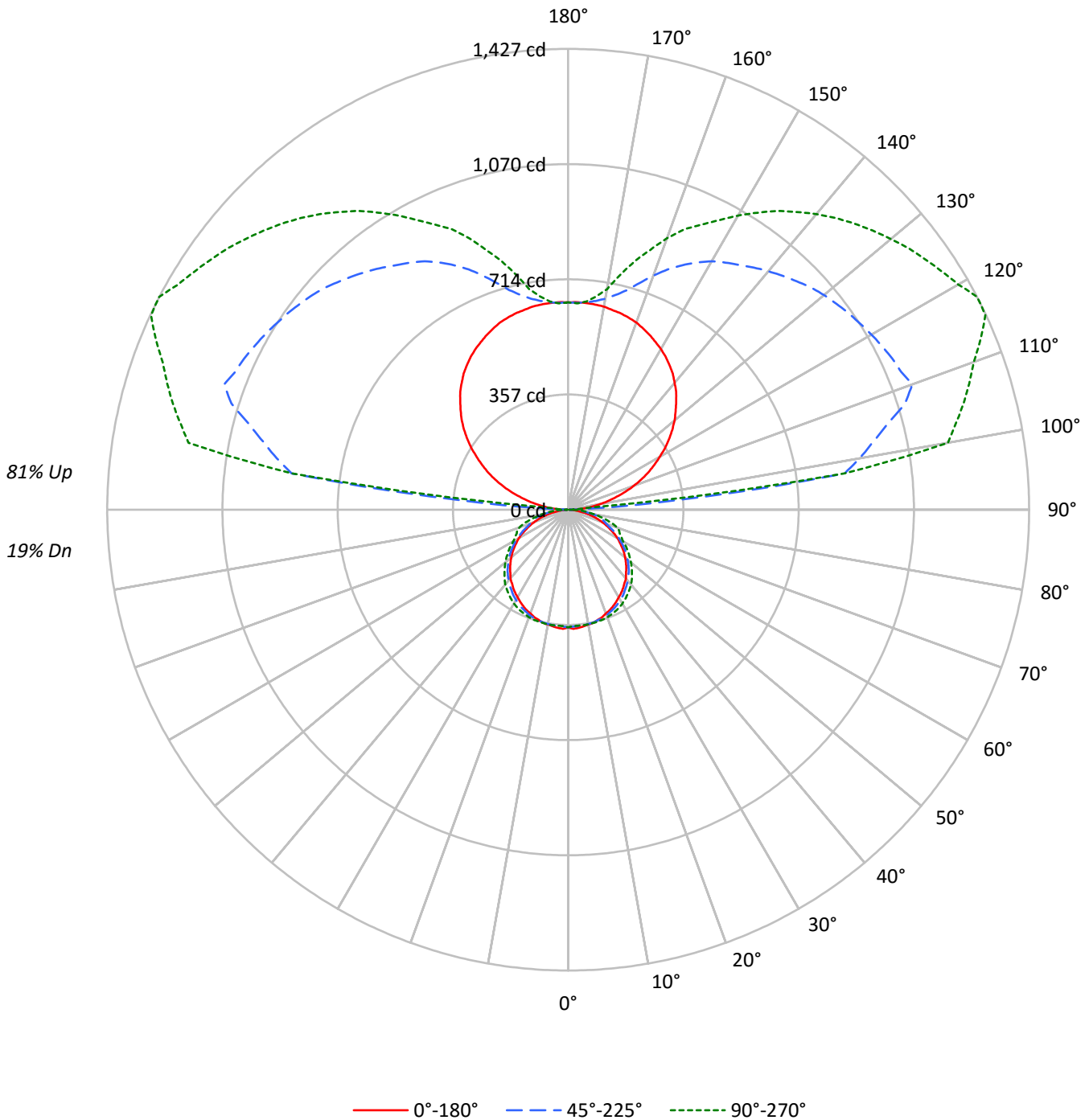
Input Watts (W): 45.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				19
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15				15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				5
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				4

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

	0°	45°	90°
0°	2942	2942	2942
5°	2973	2933	2922
10°	2956	2945	2956
15°	2951	2961	2993
20°	2936	2990	3044
25°	2932	2999	3089
30°	2917	3010	3127
35°	2922	3009	3158
40°	2927	3019	3191
45°	2898	3027	3184
50°	2887	3014	3188
55°	2864	3006	3184
60°	2840	2961	3165
65°	2735	2928	3360
70°	2639	2936	3795
75°	2430	3372	3840
80°	2101	3445	3738
85°	1630	3844	4307



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.6	0.5
10°-20°	100.6	1.6
20°-30°	155.9	2.5
30°-40°	192.4	3.1
40°-50°	205.0	3.3
50°-60°	191.2	3.0
60°-70°	155.9	2.5
70°-80°	107.7	1.7
80°-90°	42.0	0.7
90°-100°	376.2	6.0
100°-110°	950.3	15.1
110°-120°	983.3	15.6
120°-130°	875.7	13.9
130°-140°	729.5	11.6
140°-150°	555.9	8.8
150°-160°	374.2	5.9
160°-170°	202.8	3.2
170°-180°	62.3	1.0
0°-30°	291.1	4.6
0°-40°	483.5	7.7
0°-60°	879.7	14.0
0°-90°	1185.4	18.8
90°-120°	2309.7	36.7
90°-150°	4470.9	71.0
90°-180°	5110.0	81.2
0°-180°	6295.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	364	364	364	364	364	
5°	367	364	362	363	361	35
15°	353	354	354	358	358	100
25°	329	333	337	344	347	152
35°	296	299	305	317	320	185
45°	254	258	265	274	279	196
55°	204	207	214	220	226	182
65°	143	147	153	167	176	143
75°	78	83	108	122	123	83
85°	18	33	42	46	46	21
90°	2	4	4	2	2	6
95°	53	412	323	52	50	52
105°	156	656	1023	1209	1266	166
115°	274	677	1107	1376	1425	270
125°	381	694	1060	1285	1351	340
135°	472	714	1000	1192	1253	365
145°	547	701	925	1074	1130	342
155°	597	666	836	941	974	275
165°	630	647	704	773	797	178
175°	642	643	645	651	647	61
180°	642	642	642	642	642	



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CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	364.4	364.4	364.4	364.4	364.4
2.5°	369.4	364.4	361.9	363.1	360.6
5°	366.9	364.4	361.9	363.1	360.6
7.5°	364.4	363.1	360.6	363.1	360.6
10°	360.6	360.6	359.3	361.9	360.6
12.5°	359.3	358.1	358.1	360.6	359.3
15°	353.1	354.3	354.3	358.1	358.1
17.5°	349.3	350.5	351.8	356.8	356.8
20°	341.8	345.5	348.0	354.3	354.3
22.5°	336.7	339.2	341.8	349.3	350.5
25°	329.2	333.0	336.7	344.3	346.8
27.5°	321.6	325.4	330.4	339.2	341.8
30°	312.9	317.9	322.9	331.7	335.5
32.5°	305.3	309.1	315.4	325.4	327.9
35°	296.5	299.0	305.3	316.6	320.4
37.5°	286.5	289.0	296.5	306.6	311.6
40°	277.7	280.2	286.5	296.5	302.8
42.5°	265.1	268.9	276.4	285.2	291.5
45°	253.8	257.6	265.1	273.9	278.9
47.5°	242.5	246.3	252.5	261.3	266.4
50°	229.9	233.7	240.0	248.8	253.8
52.5°	217.4	221.1	227.4	235.0	240.0
55°	203.5	207.3	213.6	219.9	226.2
57.5°	189.7	193.5	198.5	206.1	212.3
60°	175.9	178.4	183.4	192.2	196.0
62.5°	160.8	163.3	168.4	177.2	186.0
65°	143.2	147.0	153.3	167.1	175.9
67.5°	128.2	130.7	137.0	157.1	170.9
70°	111.8	115.6	124.4	153.3	160.8
72.5°	95.5	99.3	115.6	140.7	144.5
75°	77.9	82.9	108.1	121.9	123.1
77.5°	61.6	67.8	93.0	100.5	101.8
80°	45.2	56.5	74.1	79.2	80.4
82.5°	30.2	47.7	55.3	61.6	61.6
85°	17.6	32.7	41.5	46.5	46.5
87.5°	10.1	21.4	31.4	36.4	35.2
90°	2.5	3.8	3.8	2.5	2.5
92.5°	28.9	91.7	25.1	23.9	23.9
95°	52.8	412.1	322.9	51.5	50.3
97.5°	75.4	500.1	863.2	1044.1	861.9
100°	100.5	604.3	915.9	1132.1	1193.6
102.5°	128.2	640.8	966.2	1163.5	1228.8
105°	155.8	655.9	1022.7	1208.7	1266.5
107.5°	186.0	665.9	1093.1	1245.1	1301.7
110°	216.1	670.9	1133.3	1290.4	1335.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	245.0	674.7	1115.7	1341.9	1382.1
115°	273.9	677.2	1106.9	1375.8	1424.8
117.5°	300.3	681.0	1095.6	1344.4	1427.3
120°	326.7	684.8	1084.3	1323.0	1394.6
122.5°	355.6	689.8	1071.7	1305.4	1372.0
125°	380.7	693.6	1060.4	1285.3	1350.7
127.5°	405.8	697.3	1046.6	1264.0	1329.3
130°	429.7	706.1	1034.0	1242.6	1304.2
132.5°	451.1	711.1	1019.0	1218.7	1279.1
135°	472.4	713.7	1000.1	1192.4	1252.7
137.5°	495.0	712.4	982.5	1167.2	1225.0
140°	512.6	711.1	963.7	1137.1	1194.9
142.5°	531.5	707.4	944.8	1106.9	1162.2
145°	546.6	701.1	924.7	1074.3	1129.5
147.5°	561.6	693.6	907.1	1040.3	1090.6
150°	574.2	682.2	888.3	1003.9	1051.6
152.5°	585.5	673.5	863.2	971.2	1010.2
155°	596.8	665.9	835.5	941.1	973.7
157.5°	606.9	660.9	805.4	904.6	939.8
160°	616.9	654.6	771.5	865.7	894.6
162.5°	623.2	650.8	736.3	819.2	843.1
165°	629.5	647.1	703.6	772.7	796.6
167.5°	633.2	644.6	681.0	723.7	745.1
170°	638.3	643.3	663.4	688.5	693.6
172.5°	640.8	643.3	652.1	664.7	665.9
175°	642.0	643.3	644.6	650.8	647.1
177.5°	643.3	644.6	640.8	644.6	639.5
180°	642.0	642.0	642.0	642.0	642.0

(END OF REPORT)