

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: P275044

Luminaire Tested: **J3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275044  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5954.4 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

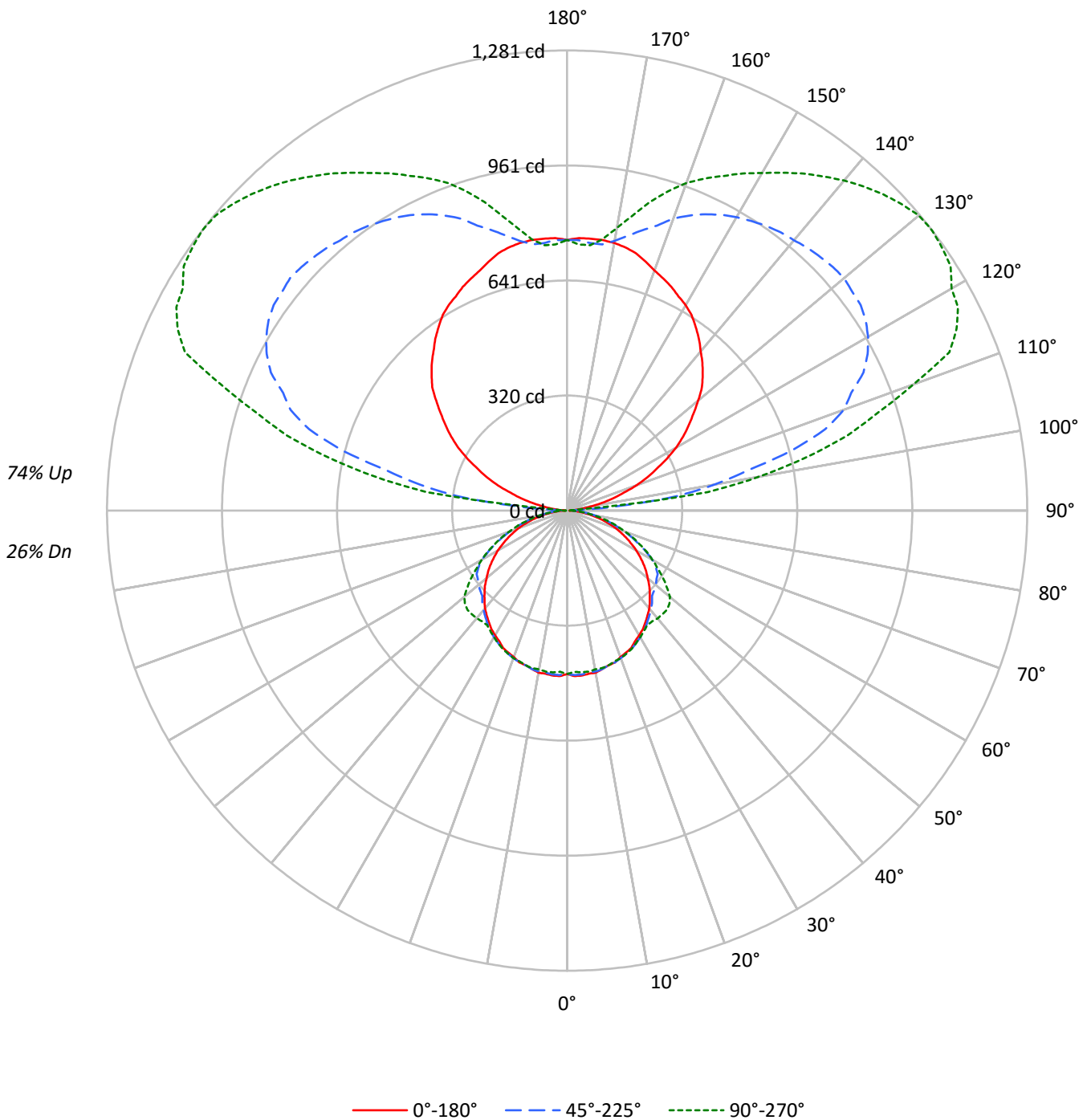
Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P275044

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P275044

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

**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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

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

	0°	45°	90°
0°	3673	3673	3673
5°	3737	3712	3663
10°	3755	3730	3681
15°	3728	3728	3728
20°	3729	3754	3754
25°	3758	3785	3785
30°	3736	3792	3792
35°	3742	3801	3832
40°	3747	3811	4129
45°	3716	3819	4473
50°	3671	4050	4693
55°	3648	4327	4581
60°	3601	4427	4427
65°	3511	4202	4260
70°	3415	3984	4055
75°	3197	3759	3855
80°	2943	3645	3501
85°	2788	3909	3353



TEST NUMBER: P275044

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.4	0.7
10°-20°	125.9	2.1
20°-30°	194.6	3.3
30°-40°	241.4	4.1
40°-50°	270.2	4.5
50°-60°	264.0	4.4
60°-70°	208.3	3.5
70°-80°	126.0	2.1
80°-90°	44.9	0.8
90°-100°	154.7	2.6
100°-110°	598.1	10.0
110°-120°	822.0	13.8
120°-130°	831.6	14.0
130°-140°	737.0	12.4
140°-150°	582.9	9.8
150°-160°	407.0	6.8
160°-170°	230.3	3.9
170°-180°	72.2	1.2
0°-30°	364.0	6.1
0°-40°	605.4	10.2
0°-60°	1139.5	19.1
0°-90°	1518.7	25.5
90°-120°	1574.8	26.4
90°-150°	3726.2	62.6
90°-180°	4436.0	74.5
0°-180°	5954.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	455	455	455	455	455	
5°	461	455	458	455	452	44
15°	446	443	446	446	446	126
25°	422	416	425	425	425	194
35°	380	380	386	389	389	238
45°	326	328	334	377	392	251
55°	259	262	307	326	326	232
65°	184	193	220	223	223	181
75°	102	120	120	124	124	109
85°	30	48	42	39	36	32
90°	6	18	15	3	3	6
95°	24	120	145	30	30	30
105°	133	428	648	747	808	141
115°	274	579	910	1127	1196	274
125°	413	669	998	1214	1275	369
135°	533	735	998	1193	1245	411
145°	624	753	967	1109	1145	390
155°	687	735	910	1010	1028	317
165°	741	738	808	877	889	209
175°	759	750	747	747	741	72
180°	753	753	753	753	753	



TEST NUMBER: P275044

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	455.0	455.0	455.0	455.0	455.0
2.5°	461.1	455.0	458.1	455.0	449.0
5°	461.1	455.0	458.1	455.0	452.0
7.5°	458.1	455.0	455.0	452.0	452.0
10°	458.1	452.0	455.0	452.0	449.0
12.5°	452.0	449.0	452.0	449.0	449.0
15°	446.0	443.0	446.0	446.0	446.0
17.5°	443.0	437.0	443.0	443.0	440.0
20°	434.0	430.9	437.0	437.0	437.0
22.5°	427.9	424.9	430.9	430.9	430.9
25°	421.9	415.9	424.9	424.9	424.9
27.5°	409.8	409.8	415.9	418.9	415.9
30°	400.8	397.8	406.8	409.8	406.8
32.5°	391.8	388.8	397.8	400.8	397.8
35°	379.7	379.7	385.7	388.8	388.8
37.5°	367.7	367.7	373.7	376.7	388.8
40°	355.6	355.6	361.6	379.7	391.8
42.5°	340.5	340.5	349.6	376.7	391.8
45°	325.5	328.5	334.5	376.7	391.8
47.5°	310.4	313.4	328.5	373.7	385.7
50°	292.3	298.3	322.5	364.6	373.7
52.5°	277.2	280.3	313.4	349.6	349.6
55°	259.2	262.2	307.4	325.5	325.5
57.5°	241.1	244.1	292.3	298.3	298.3
60°	223.0	226.0	274.2	274.2	274.2
62.5°	201.9	207.9	247.1	250.1	250.1
65°	183.8	192.9	220.0	223.0	223.0
67.5°	162.7	177.8	195.9	198.9	198.9
70°	144.7	162.7	168.8	171.8	171.8
72.5°	123.6	141.6	144.7	147.7	147.7
75°	102.5	120.5	120.5	123.6	123.6
77.5°	81.4	96.4	99.4	99.4	99.4
80°	63.3	72.3	78.4	75.3	75.3
82.5°	45.2	57.3	57.3	57.3	54.2
85°	30.1	48.2	42.2	39.2	36.2
87.5°	18.1	42.2	24.1	21.1	21.1
90°	6.0	18.1	15.1	3.0	3.0
92.5°	12.1	30.1	15.1	12.1	9.0
95°	24.1	120.5	144.7	30.1	30.1
97.5°	45.2	201.9	310.4	367.7	394.8
100°	69.3	301.4	415.9	509.3	542.4
102.5°	99.4	364.6	512.3	629.8	678.1
105°	132.6	427.9	647.9	747.4	807.6
107.5°	165.7	476.1	753.4	864.9	907.1
110°	204.9	515.3	819.7	1012.6	1024.6



TEST NUMBER: P275044

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	241.1	545.5	855.9	1084.9	1151.2
115°	274.2	578.6	910.1	1127.1	1196.4
117.5°	313.4	602.7	943.2	1151.2	1226.5
120°	349.6	623.8	967.4	1181.3	1235.6
122.5°	382.7	647.9	985.4	1205.4	1265.7
125°	412.9	669.0	997.5	1214.5	1274.7
127.5°	443.0	687.1	1000.5	1217.5	1280.8
130°	476.1	705.2	1006.5	1214.5	1277.8
132.5°	509.3	723.3	1003.5	1205.4	1262.7
135°	533.4	735.3	997.5	1193.4	1244.6
137.5°	557.5	744.4	991.5	1175.3	1223.5
140°	578.6	750.4	982.4	1154.2	1199.4
142.5°	602.7	753.4	976.4	1133.1	1172.3
145°	623.8	753.4	967.4	1109.0	1145.2
147.5°	644.9	750.4	955.3	1084.9	1115.0
150°	660.0	744.4	943.2	1060.8	1084.9
152.5°	672.0	738.3	928.2	1033.7	1057.8
155°	687.1	735.3	910.1	1009.5	1027.6
157.5°	699.1	735.3	889.0	982.4	1000.5
160°	711.2	735.3	864.9	955.3	970.4
162.5°	726.3	735.3	831.7	916.1	931.2
165°	741.3	738.3	807.6	876.9	889.0
167.5°	750.4	738.3	783.5	828.7	840.8
170°	756.4	744.4	762.4	795.6	798.6
172.5°	759.4	750.4	747.4	762.4	762.4
175°	759.4	750.4	747.4	747.4	741.3
177.5°	759.4	753.4	753.4	750.4	741.3
180°	753.4	753.4	753.4	753.4	753.4

(END OF REPORT)