

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: P275162

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275162  
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-80L92765-1D-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: 6756.6 lumens  
Efficiency: N/A  
Efficacy: 107.2 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

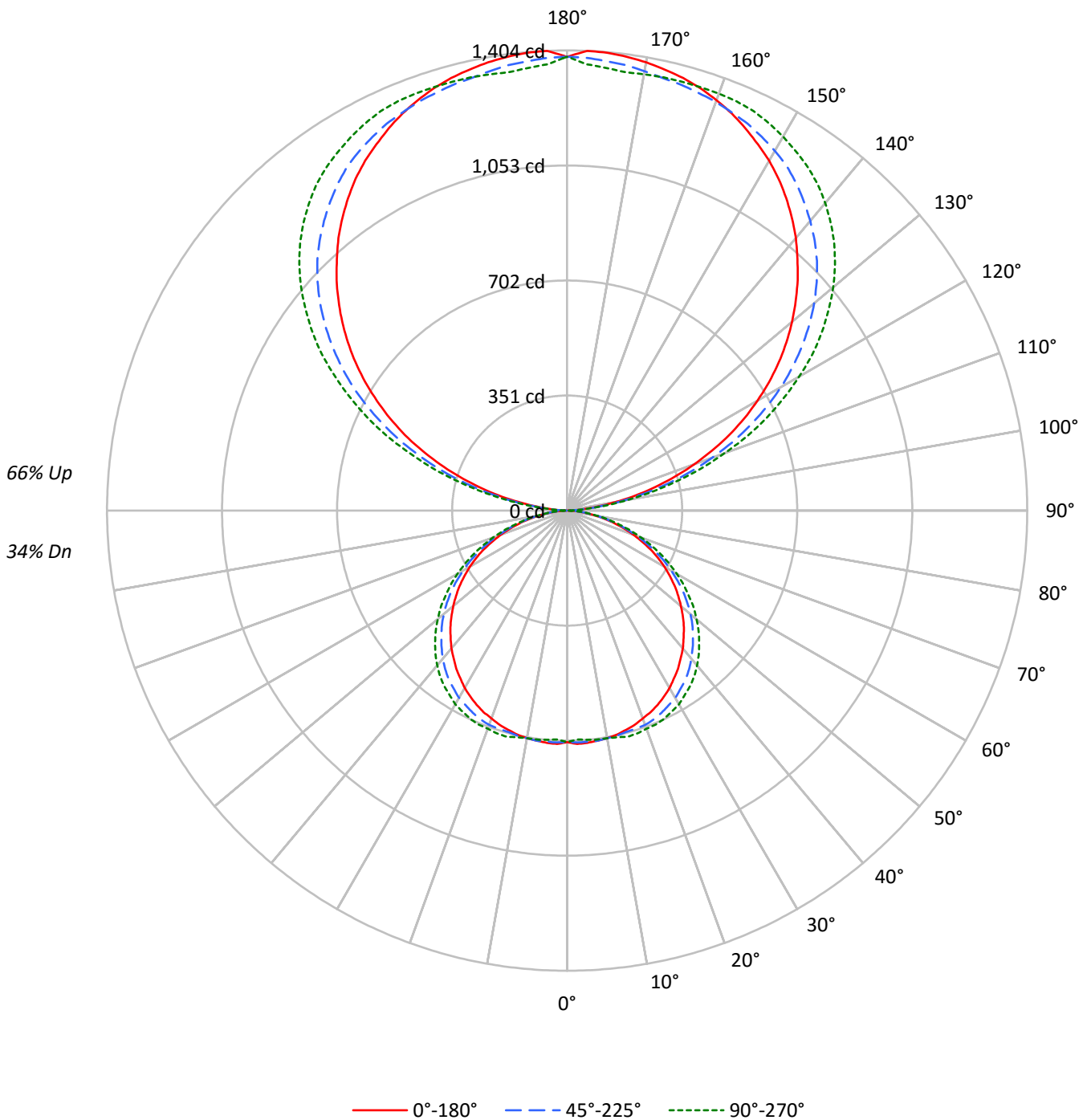
Input Watts (W): 63  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5704	5704	5704
5°	5763	5738	5688
10°	5778	5778	5778
15°	5789	5841	5970
20°	5796	5979	6083
25°	5822	6065	6240
30°	5824	6149	6362
35°	5812	6200	6441
40°	5786	6215	6502
45°	5747	6197	6508
50°	5693	6170	6476
55°	5633	6083	6380
60°	5530	5926	6244
65°	5356	5702	6027
70°	5046	5372	5651
75°	4635	4919	5156
80°	4026	4300	4449
85°	3223	3344	3520



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	1.0
10°-20°	198.2	2.9
20°-30°	312.2	4.6
30°-40°	390.1	5.8
40°-50°	415.8	6.2
50°-60°	383.4	5.7
60°-70°	294.5	4.4
70°-80°	166.8	2.5
80°-90°	44.0	0.7
90°-100°	70.8	1.0
100°-110°	333.3	4.9
110°-120°	604.2	8.9
120°-130°	776.1	11.5
130°-140°	825.6	12.2
140°-150°	759.7	11.2
150°-160°	601.6	8.9
160°-170°	381.9	5.7
170°-180°	131.0	1.9
0°-30°	577.8	8.6
0°-40°	967.9	14.3
0°-60°	1767.2	26.2
0°-90°	2272.4	33.6
90°-120°	1008.4	14.9
90°-150°	3369.7	49.9
90°-180°	4484.0	66.4
0°-180°	6756.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	711	705	708	706	702	68
15°	693	690	699	711	714	196
25°	654	655	681	695	700	301
35°	590	600	629	644	654	368
45°	503	517	543	560	570	388
55°	400	412	432	446	453	357
65°	280	287	298	309	316	277
75°	149	152	158	164	165	158
85°	35	36	36	38	38	39
90°	2	2	2	0	0	5
95°	47	48	53	56	59	61
105°	279	291	318	338	347	295
115°	546	569	617	655	673	538
125°	788	813	875	923	949	704
135°	995	1010	1078	1125	1152	767
145°	1165	1160	1219	1257	1280	729
155°	1287	1269	1302	1330	1345	594
165°	1366	1345	1345	1349	1354	386
175°	1402	1386	1376	1366	1356	133
180°	1384	1384	1384	1384	1384	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	706.5	706.5	706.5	706.5	706.5
2.5°	712.7	706.5	708.1	708.1	698.9
5°	711.1	704.9	708.1	706.5	701.9
7.5°	708.1	703.5	708.1	708.1	704.9
10°	704.9	700.5	704.9	706.5	704.9
12.5°	700.5	696.0	703.5	706.5	708.1
15°	692.7	689.8	698.9	711.1	714.3
17.5°	685.4	683.8	697.6	711.1	712.7
20°	674.7	674.7	696.0	706.5	708.1
22.5°	665.8	665.8	689.8	700.5	706.5
25°	653.6	655.0	680.9	694.6	700.5
27.5°	639.9	644.5	670.1	685.4	691.4
30°	624.8	632.3	659.6	674.7	682.5
32.5°	606.7	617.0	644.5	659.6	667.1
35°	589.7	600.5	629.1	644.5	653.6
37.5°	568.7	582.2	611.0	626.1	636.9
40°	549.0	562.8	589.7	606.7	617.0
42.5°	526.1	541.2	567.1	583.8	594.3
45°	503.4	516.9	542.8	559.5	570.0
47.5°	479.2	492.9	518.8	533.9	544.1
50°	453.3	468.4	491.3	506.4	515.6
52.5°	427.4	441.1	462.4	477.8	486.7
55°	400.2	412.3	432.2	446.0	453.3
57.5°	371.3	383.4	400.2	413.9	421.5
60°	342.5	351.6	367.0	380.5	386.7
62.5°	312.3	320.1	333.6	344.3	351.6
65°	280.4	286.6	298.5	309.3	315.5
67.5°	247.3	253.2	263.7	272.9	277.5
70°	213.8	219.8	227.6	234.9	239.4
72.5°	181.7	185.0	192.5	198.7	201.7
75°	148.6	151.5	157.7	163.7	165.3
77.5°	118.4	119.7	124.6	127.5	128.9
80°	86.6	89.5	92.5	93.8	95.7
82.5°	59.1	60.7	62.0	63.6	65.0
85°	34.8	36.1	36.1	38.0	38.0
87.5°	15.1	16.7	16.7	16.7	16.7
90°	1.6	1.6	1.6	0.0	0.0
92.5°	15.1	15.1	16.7	18.1	19.7
95°	46.9	48.5	53.1	56.1	59.1
97.5°	93.8	97.1	106.0	113.8	116.8
100°	151.5	157.7	171.5	181.7	186.6
102.5°	213.8	222.7	242.7	257.8	265.3
105°	279.1	291.2	318.5	338.1	347.3
107.5°	345.7	361.1	395.8	418.5	430.6
110°	412.3	432.2	470.0	500.2	509.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	479.2	500.2	545.8	579.2	595.9
115°	545.8	568.7	617.0	655.0	673.3
117.5°	609.7	633.7	686.8	729.4	745.8
120°	670.1	696.0	753.7	797.6	817.3
122.5°	730.7	755.3	815.7	862.6	887.1
125°	788.4	812.7	875.0	923.3	949.2
127.5°	843.2	865.6	931.1	981.0	1005.2
130°	896.0	917.3	983.9	1032.7	1060.0
132.5°	946.2	965.9	1032.7	1079.7	1108.5
135°	994.7	1009.8	1078.0	1125.0	1152.5
137.5°	1040.0	1050.8	1117.7	1164.6	1190.5
140°	1085.6	1088.8	1153.8	1197.8	1225.0
142.5°	1126.6	1125.0	1187.3	1229.6	1255.5
145°	1164.6	1160.0	1219.1	1256.8	1279.7
147.5°	1200.7	1190.5	1246.3	1278.4	1299.4
150°	1232.6	1219.1	1267.6	1299.4	1317.5
152.5°	1259.8	1244.7	1285.7	1314.5	1332.6
155°	1287.3	1269.2	1302.4	1329.6	1345.0
157.5°	1311.6	1288.6	1314.5	1338.8	1351.2
160°	1332.6	1310.2	1326.7	1345.0	1354.2
162.5°	1351.2	1328.3	1335.8	1346.3	1354.2
165°	1366.3	1345.0	1345.0	1349.3	1354.2
167.5°	1378.2	1360.1	1351.2	1352.5	1354.2
170°	1388.9	1370.6	1361.4	1352.5	1351.2
172.5°	1396.5	1378.2	1370.6	1358.5	1349.3
175°	1402.4	1386.0	1376.5	1366.3	1355.5
177.5°	1404.0	1390.3	1382.7	1372.2	1363.1
180°	1384.4	1384.4	1384.4	1384.4	1384.4

(END OF REPORT)