

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: P275165

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)  
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 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7215.6 lumens  
Efficiency: N/A  
Efficacy: 112.4 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

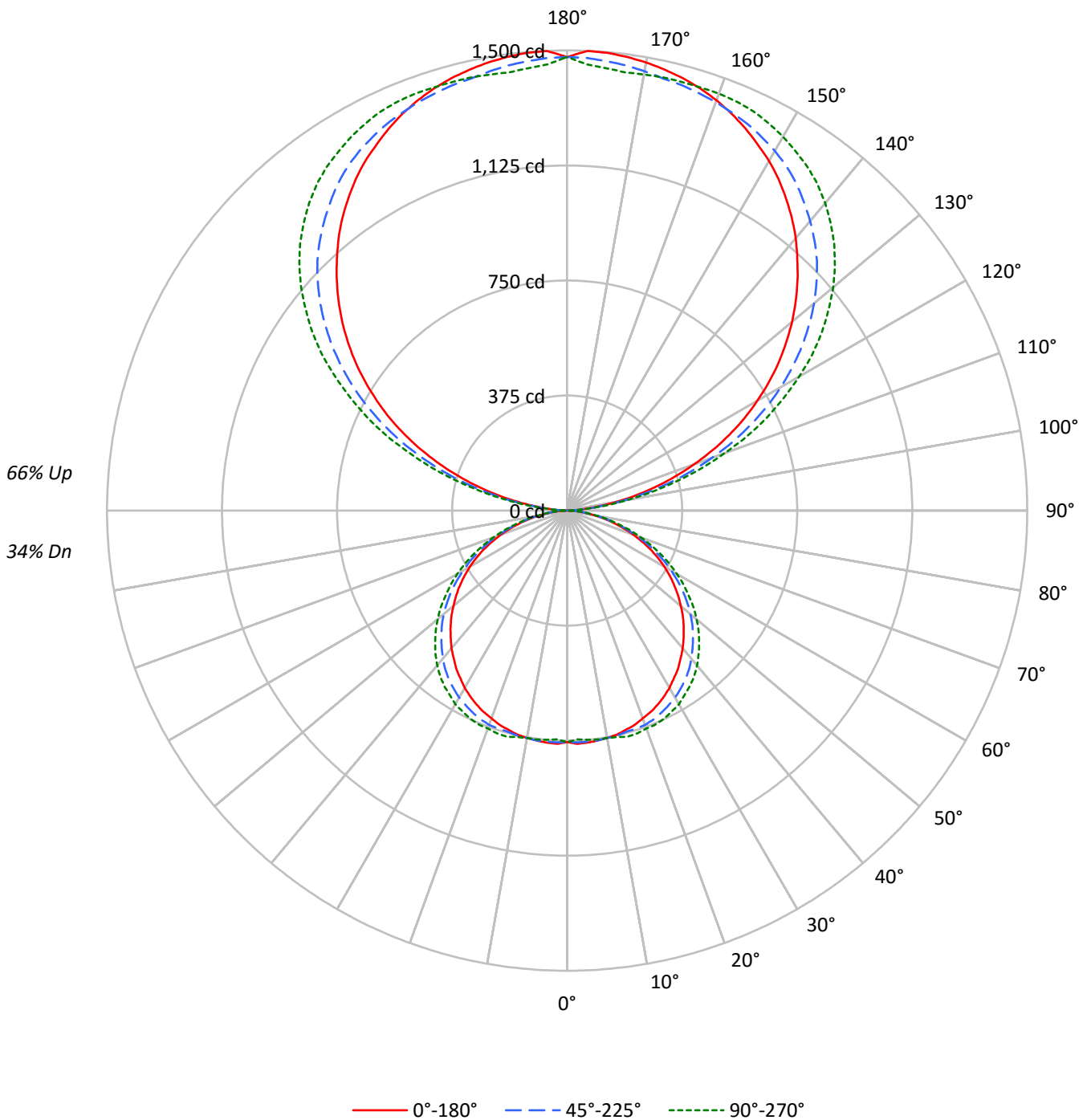
Input Watts (W): 64.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	6091	6091	6091
5°	6154	6128	6075
10°	6171	6171	6171
15°	6183	6238	6375
20°	6190	6385	6497
25°	6217	6477	6664
30°	6220	6566	6794
35°	6207	6621	6879
40°	6179	6637	6944
45°	6138	6618	6951
50°	6080	6590	6915
55°	6014	6497	6814
60°	5905	6328	6667
65°	5721	6090	6436
70°	5391	5736	6035
75°	4950	5256	5505
80°	4296	4593	4751
85°	3436	3575	3761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.0	1.0
10°-20°	211.7	2.9
20°-30°	333.4	4.6
30°-40°	416.6	5.8
40°-50°	444.1	6.2
50°-60°	409.5	5.7
60°-70°	314.5	4.4
70°-80°	178.2	2.5
80°-90°	47.0	0.7
90°-100°	75.6	1.0
100°-110°	356.0	4.9
110°-120°	645.2	8.9
120°-130°	828.8	11.5
130°-140°	881.7	12.2
140°-150°	811.3	11.2
150°-160°	642.4	8.9
160°-170°	407.8	5.7
170°-180°	139.9	1.9
0°-30°	617.1	8.6
0°-40°	1033.7	14.3
0°-60°	1887.2	26.2
0°-90°	2426.8	33.6
90°-120°	1076.9	14.9
90°-150°	3598.7	49.9
90°-180°	4789.0	66.4
0°-180°	7215.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	759	753	756	754	750	72
15°	740	737	746	759	763	209
25°	698	700	727	742	748	322
35°	630	641	672	688	698	393
45°	538	552	580	598	609	414
55°	427	440	462	476	484	381
65°	300	306	319	330	337	295
75°	159	162	168	175	176	169
85°	37	39	39	41	41	42
90°	2	2	2	0	0	5
95°	50	52	57	60	63	65
105°	298	311	340	361	371	315
115°	583	607	659	700	719	575
125°	842	868	934	986	1014	751
135°	1062	1078	1151	1201	1231	819
145°	1244	1239	1302	1342	1367	778
155°	1375	1356	1391	1420	1436	634
165°	1459	1436	1436	1441	1446	412
175°	1498	1480	1470	1459	1448	142
180°	1478	1478	1478	1478	1478	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	754.5	754.5	754.5	754.5	754.5
2.5°	761.1	754.5	756.2	756.2	746.4
5°	759.4	752.8	756.2	754.5	749.6
7.5°	756.2	751.3	756.2	756.2	752.8
10°	752.8	748.1	752.8	754.5	752.8
12.5°	748.1	743.2	751.3	754.5	756.2
15°	739.8	736.6	746.4	759.4	762.8
17.5°	732.0	730.3	745.0	759.4	761.1
20°	720.5	720.5	743.2	754.5	756.2
22.5°	711.0	711.0	736.6	748.1	754.5
25°	698.0	699.5	727.1	741.8	748.1
27.5°	683.4	688.2	715.6	732.0	738.4
30°	667.2	675.3	704.4	720.5	728.8
32.5°	647.9	658.9	688.2	704.4	712.4
35°	629.8	641.3	671.8	688.2	698.0
37.5°	607.3	621.7	652.5	668.7	680.2
40°	586.3	601.0	629.8	647.9	658.9
42.5°	561.8	578.0	605.6	623.5	634.7
45°	537.6	552.0	579.7	597.5	608.8
47.5°	511.7	526.4	554.1	570.2	581.1
50°	484.1	500.2	524.7	540.8	550.6
52.5°	456.4	471.1	493.9	510.3	519.8
55°	427.3	440.3	461.6	476.3	484.1
57.5°	396.5	409.5	427.3	442.0	450.1
60°	365.7	375.5	391.9	406.3	412.9
62.5°	333.5	341.8	356.2	367.7	375.5
65°	299.5	306.1	318.8	330.3	336.9
67.5°	264.1	270.4	281.6	291.4	296.3
70°	228.4	234.7	243.0	250.8	255.7
72.5°	194.1	197.5	205.6	212.2	215.4
75°	158.7	161.8	168.5	174.8	176.5
77.5°	126.4	127.9	133.0	136.2	137.6
80°	92.4	95.6	98.8	100.2	102.2
82.5°	63.1	64.8	66.2	68.0	69.4
85°	37.1	38.6	38.6	40.6	40.6
87.5°	16.1	17.9	17.9	17.9	17.9
90°	1.7	1.7	1.7	0.0	0.0
92.5°	16.1	16.1	17.9	19.3	21.0
95°	50.1	51.8	56.7	59.9	63.1
97.5°	100.2	103.7	113.2	121.5	124.7
100°	161.8	168.5	183.1	194.1	199.3
102.5°	228.4	237.9	259.2	275.3	283.4
105°	298.0	311.0	340.1	361.1	370.9
107.5°	369.2	385.6	422.7	446.9	459.9
110°	440.3	461.6	501.9	534.2	544.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	511.7	534.2	582.8	618.6	636.4
115°	582.8	607.3	658.9	699.5	719.1
117.5°	651.1	676.7	733.5	779.0	796.5
120°	715.6	743.2	804.9	851.8	872.8
122.5°	780.4	806.6	871.1	921.2	947.4
125°	842.0	867.9	934.5	986.0	1013.7
127.5°	900.5	924.4	994.4	1047.6	1073.5
130°	956.9	979.7	1050.8	1102.9	1132.0
132.5°	1010.5	1031.5	1102.9	1153.0	1183.8
135°	1062.3	1078.4	1151.3	1201.4	1230.8
137.5°	1110.7	1122.2	1193.6	1243.7	1271.4
140°	1159.4	1162.8	1232.2	1279.2	1308.2
142.5°	1203.1	1201.4	1267.9	1313.1	1340.8
145°	1243.7	1238.8	1301.9	1342.2	1366.7
147.5°	1282.3	1271.4	1331.0	1365.3	1387.7
150°	1316.3	1301.9	1353.7	1387.7	1407.0
152.5°	1345.4	1329.3	1373.0	1403.8	1423.1
155°	1374.8	1355.5	1390.9	1420.0	1436.4
157.5°	1400.7	1376.2	1403.8	1429.8	1443.0
160°	1423.1	1399.2	1416.8	1436.4	1446.2
162.5°	1443.0	1418.5	1426.6	1437.8	1446.2
165°	1459.1	1436.4	1436.4	1441.0	1446.2
167.5°	1471.8	1452.5	1443.0	1444.5	1446.2
170°	1483.3	1463.7	1454.0	1444.5	1443.0
172.5°	1491.4	1471.8	1463.7	1450.8	1441.0
175°	1497.7	1480.2	1470.1	1459.1	1447.6
177.5°	1499.5	1484.8	1476.7	1465.5	1455.7
180°	1478.4	1478.4	1478.4	1478.4	1478.4

(END OF REPORT)