

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: P275152

Luminaire Tested: **J3-FL-80L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275152  
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-80L82765-1D-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: 7223.3 lumens  
Efficiency: N/A  
Efficacy: 116.7 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

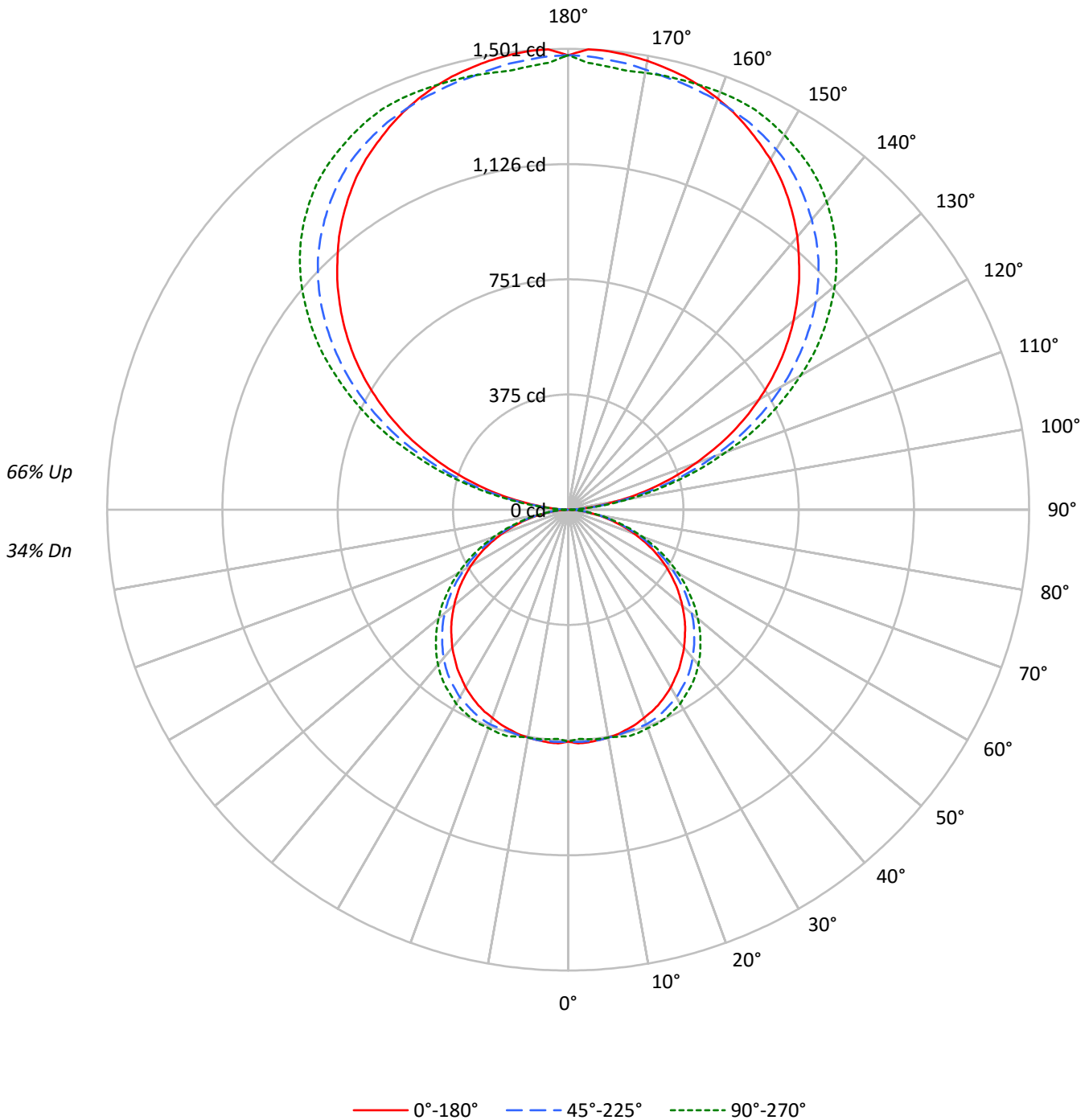
Input Watts (W): 61.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	6097	6097	6097
5°	6160	6135	6081
10°	6177	6177	6177
15°	6190	6245	6382
20°	6197	6392	6503
25°	6225	6484	6671
30°	6226	6573	6801
35°	6214	6628	6887
40°	6185	6645	6951
45°	6145	6625	6957
50°	6086	6596	6923
55°	6021	6504	6821
60°	5911	6334	6675
65°	5727	6096	6443
70°	5396	5743	6043
75°	4953	5259	5512
80°	4300	4598	4756
85°	3446	3575	3761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.1	1.0
10°-20°	211.9	2.9
20°-30°	333.8	4.6
30°-40°	417.0	5.8
40°-50°	444.5	6.2
50°-60°	409.9	5.7
60°-70°	314.8	4.4
70°-80°	178.4	2.5
80°-90°	47.0	0.7
90°-100°	75.7	1.0
100°-110°	356.4	4.9
110°-120°	645.9	8.9
120°-130°	829.7	11.5
130°-140°	882.6	12.2
140°-150°	812.1	11.2
150°-160°	643.1	8.9
160°-170°	408.3	5.7
170°-180°	140.0	1.9
0°-30°	617.7	8.6
0°-40°	1034.8	14.3
0°-60°	1889.2	26.2
0°-90°	2429.4	33.6
90°-120°	1078.0	14.9
90°-150°	3602.5	49.9
90°-180°	4794.0	66.4
0°-180°	7223.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	755	755	755	755	755	
5°	760	754	757	755	750	72
15°	741	737	747	760	764	209
25°	699	700	728	743	749	322
35°	630	642	672	689	699	394
45°	538	553	580	598	609	415
55°	428	441	462	477	485	382
65°	300	306	319	331	337	296
75°	159	162	169	175	177	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	362	371	316
115°	584	608	660	700	720	576
125°	843	869	936	987	1015	752
135°	1063	1080	1152	1203	1232	820
145°	1245	1240	1303	1344	1368	779
155°	1376	1357	1392	1422	1438	635
165°	1461	1438	1438	1442	1448	413
175°	1499	1482	1472	1461	1449	143
180°	1480	1480	1480	1480	1480	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	755.3	755.3	755.3	755.3	755.3
2.5°	761.9	755.3	757.0	757.0	747.2
5°	760.2	753.5	757.0	755.3	750.4
7.5°	757.0	752.1	757.0	757.0	753.5
10°	753.5	748.9	753.5	755.3	753.5
12.5°	748.9	744.0	752.1	755.3	757.0
15°	740.6	737.4	747.2	760.2	763.6
17.5°	732.8	731.1	745.8	760.2	761.9
20°	721.3	721.3	744.0	755.3	757.0
22.5°	711.7	711.7	737.4	748.9	755.3
25°	698.8	700.2	727.9	742.6	748.9
27.5°	684.1	689.0	716.4	732.8	739.1
30°	667.9	676.0	705.1	721.3	729.6
32.5°	648.6	659.6	689.0	705.1	713.2
35°	630.5	642.0	672.5	689.0	698.8
37.5°	608.0	622.4	653.2	669.4	680.9
40°	586.9	601.6	630.5	648.6	659.6
42.5°	562.4	578.6	606.2	624.1	635.4
45°	538.2	552.6	580.3	598.2	609.4
47.5°	512.3	527.0	554.6	570.8	581.7
50°	484.6	500.7	525.2	541.4	551.2
52.5°	456.9	471.6	494.4	510.8	520.3
55°	427.8	440.8	462.1	476.8	484.6
57.5°	397.0	409.9	427.8	442.5	450.6
60°	366.1	375.9	392.3	406.8	413.4
62.5°	333.8	342.2	356.6	368.1	375.9
65°	299.8	306.4	319.1	330.7	337.3
67.5°	264.3	270.7	281.9	291.7	296.6
70°	228.6	234.9	243.3	251.1	256.0
72.5°	194.3	197.8	205.8	212.5	215.6
75°	158.8	162.0	168.6	175.0	176.7
77.5°	126.6	128.0	133.2	136.4	137.8
80°	92.5	95.7	98.9	100.3	102.3
82.5°	63.1	64.9	66.3	68.0	69.5
85°	37.2	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°	50.2	51.9	56.8	60.0	63.1
97.5°	100.3	103.8	113.3	121.7	124.8
100°	162.0	168.6	183.3	194.3	199.5
102.5°	228.6	238.1	259.4	275.6	283.7
105°	298.4	311.3	340.5	361.5	371.3
107.5°	369.6	386.0	423.2	447.4	460.4
110°	440.8	462.1	502.5	534.7	544.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	512.3	534.7	583.5	619.2	637.1
115°	583.5	608.0	659.6	700.2	719.8
117.5°	651.8	677.4	734.2	779.8	797.4
120°	716.4	744.0	805.7	852.7	873.8
122.5°	781.2	807.5	872.0	922.2	948.4
125°	842.9	868.9	935.5	987.1	1014.7
127.5°	901.4	925.4	995.4	1048.7	1074.7
130°	957.9	980.7	1051.9	1104.1	1133.2
132.5°	1011.6	1032.6	1104.1	1154.3	1185.1
135°	1063.4	1079.6	1152.5	1202.7	1232.1
137.5°	1111.9	1123.4	1194.9	1245.1	1272.7
140°	1160.6	1164.1	1233.5	1280.5	1309.6
142.5°	1204.4	1202.7	1269.3	1314.5	1342.2
145°	1245.1	1240.2	1303.3	1343.6	1368.1
147.5°	1283.7	1272.7	1332.4	1366.7	1389.2
150°	1317.7	1303.3	1355.2	1389.2	1408.5
152.5°	1346.8	1330.7	1374.5	1405.3	1424.7
155°	1376.2	1356.9	1392.4	1421.5	1437.9
157.5°	1402.2	1377.7	1405.3	1431.3	1444.5
160°	1424.7	1400.7	1418.3	1437.9	1447.7
162.5°	1444.5	1420.0	1428.1	1439.4	1447.7
165°	1460.7	1437.9	1437.9	1442.5	1447.7
167.5°	1473.4	1454.1	1444.5	1446.0	1447.7
170°	1484.9	1465.3	1455.5	1446.0	1444.5
172.5°	1493.0	1473.4	1465.3	1452.3	1442.5
175°	1499.3	1481.7	1471.6	1460.7	1449.2
177.5°	1501.0	1486.3	1478.3	1467.0	1457.2
180°	1480.0	1480.0	1480.0	1480.0	1480.0

(END OF REPORT)