

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: P275253

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275253  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-80L82765-1D-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: 8327.0 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

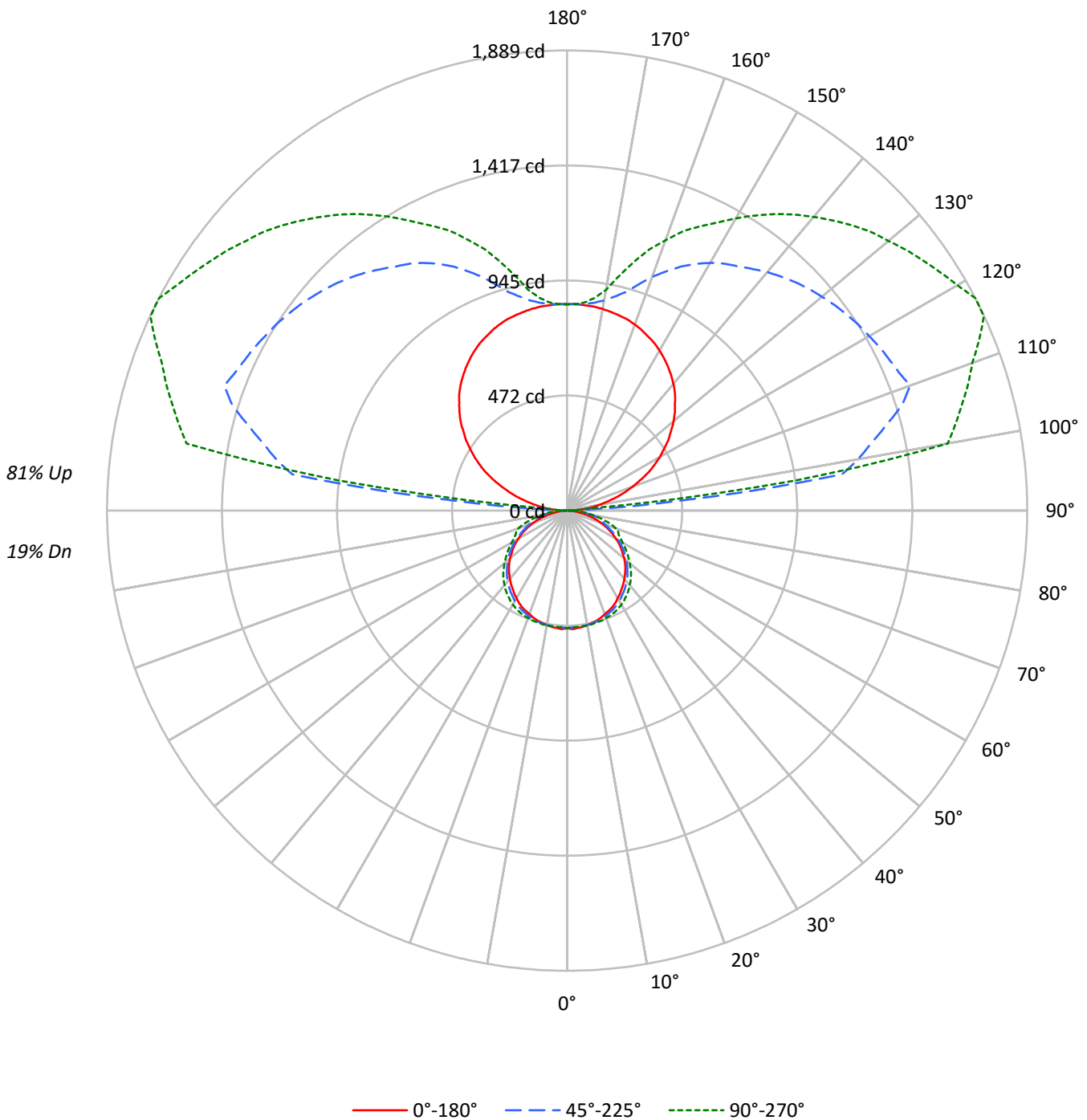
Input Watts (W): 64  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

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

	0°	45°	90°
0°	3898	3898	3898
5°	3924	3891	3891
10°	3913	3913	3924
15°	3909	3931	3967
20°	3887	3959	4030
25°	3895	3982	4105
30°	3870	3999	4154
35°	3847	3997	4187
40°	3853	3998	4216
45°	3859	4000	4237
50°	3847	3985	4210
55°	3806	3961	4214
60°	3743	3920	4232
65°	3664	3874	4453
70°	3484	3906	5016
75°	3228	4476	5034
80°	2757	4551	5002
85°	2177	5113	5752



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.9	0.6
10°-20°	133.3	1.6
20°-30°	206.6	2.5
30°-40°	254.9	3.1
40°-50°	271.7	3.3
50°-60°	253.2	3.0
60°-70°	206.9	2.5
70°-80°	142.6	1.7
80°-90°	56.4	0.7
90°-100°	490.7	5.9
100°-110°	1257.7	15.1
110°-120°	1302.3	15.6
120°-130°	1159.5	13.9
130°-140°	965.4	11.6
140°-150°	735.1	8.8
150°-160°	494.6	5.9
160°-170°	268.1	3.2
170°-180°	82.2	1.0
0°-30°	385.8	4.6
0°-40°	640.7	7.7
0°-60°	1165.6	14.0
0°-90°	1571.4	18.9
90°-120°	3050.7	36.6
90°-150°	5910.6	71.0
90°-180°	6756.0	81.1
0°-180°	8327.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	483	483	483	483	483	
5°	484	483	480	480	480	46
15°	468	469	470	476	475	132
25°	437	440	447	457	461	201
35°	390	396	406	418	425	245
45°	338	341	350	363	371	260
55°	270	274	281	291	299	241
65°	192	196	203	222	233	189
75°	104	110	144	160	161	109
85°	24	44	55	64	62	28
90°	3	4	6	4	4	8
95°	69	546	458	68	66	69
105°	207	868	1356	1602	1678	219
115°	366	900	1461	1820	1887	360
125°	508	920	1402	1702	1786	452
135°	626	945	1326	1578	1656	484
145°	722	924	1224	1425	1486	452
155°	788	880	1105	1247	1287	364
165°	829	857	928	1021	1055	234
175°	846	850	851	857	858	81
180°	847	847	847	847	847	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	482.8	482.8	482.8	482.8	482.8
2.5°	487.0	484.2	480.1	480.1	478.7
5°	484.2	482.8	480.1	480.1	480.1
7.5°	481.5	481.5	478.7	480.1	478.7
10°	477.3	478.7	477.3	480.1	478.7
12.5°	471.8	474.6	474.6	478.7	477.3
15°	467.7	469.1	470.4	475.9	474.6
17.5°	460.8	463.5	466.3	473.2	473.2
20°	452.5	456.6	460.8	469.1	469.1
22.5°	445.6	449.7	453.9	463.5	466.3
25°	437.3	440.1	447.0	456.6	460.8
27.5°	427.7	430.4	438.7	448.4	453.9
30°	415.2	420.8	429.0	440.1	445.6
32.5°	404.2	409.7	416.6	430.4	435.9
35°	390.4	395.9	405.6	418.0	424.9
37.5°	379.4	384.9	393.2	405.6	413.9
40°	365.6	369.7	379.4	391.8	400.1
42.5°	351.8	357.3	365.6	379.4	386.3
45°	338.0	340.8	350.4	362.8	371.1
47.5°	322.8	325.6	333.9	347.6	353.2
50°	306.3	310.4	317.3	329.7	335.2
52.5°	286.9	292.5	300.7	310.4	317.3
55°	270.4	274.5	281.4	291.1	299.4
57.5°	252.5	256.6	263.5	273.2	281.4
60°	231.8	235.9	242.8	255.2	262.1
62.5°	211.1	216.6	222.1	234.5	246.9
65°	191.8	195.9	202.8	222.1	233.1
67.5°	169.7	175.2	182.1	209.7	226.2
70°	147.6	153.1	165.5	202.8	212.5
72.5°	126.9	131.1	151.8	187.6	190.4
75°	103.5	110.4	143.5	160.0	161.4
77.5°	80.0	89.7	122.8	133.8	135.2
80°	59.3	74.5	97.9	106.2	107.6
82.5°	41.4	63.5	75.9	82.8	82.8
85°	23.5	44.1	55.2	63.5	62.1
87.5°	13.8	29.0	41.4	48.3	46.9
90°	2.8	4.1	5.5	4.1	4.1
92.5°	35.9	115.9	31.7	31.7	30.4
95°	69.0	546.3	458.0	67.6	66.2
97.5°	99.3	663.6	1138.1	1358.9	945.0
100°	133.8	789.1	1212.6	1496.8	1586.5
102.5°	166.9	842.9	1278.9	1542.3	1632.0
105°	206.9	867.7	1356.1	1601.7	1677.5
107.5°	245.6	880.2	1441.6	1652.7	1725.8
110°	284.2	888.4	1498.2	1710.7	1770.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	324.2	894.0	1476.1	1779.6	1830.7
115°	365.6	899.5	1461.0	1819.6	1887.2
117.5°	402.8	903.6	1448.5	1781.0	1888.6
120°	438.7	909.1	1432.0	1753.4	1850.0
122.5°	471.8	916.0	1418.2	1728.6	1818.3
125°	507.7	920.2	1401.6	1702.4	1786.5
127.5°	538.0	925.7	1385.1	1670.6	1756.2
130°	571.1	935.3	1365.8	1643.1	1721.7
132.5°	600.1	942.2	1346.5	1612.7	1692.7
135°	626.3	945.0	1325.8	1578.2	1655.5
137.5°	655.3	943.6	1302.3	1543.7	1615.5
140°	678.7	938.1	1277.5	1506.5	1574.1
142.5°	700.8	934.0	1249.9	1467.9	1531.3
145°	721.5	924.3	1223.7	1425.1	1485.8
147.5°	740.8	914.6	1201.6	1380.9	1436.1
150°	758.8	900.9	1174.0	1329.9	1385.1
152.5°	775.3	889.8	1140.9	1285.8	1332.7
155°	787.7	880.2	1105.0	1247.1	1287.1
157.5°	801.5	873.3	1062.3	1197.5	1240.2
160°	812.6	866.4	1020.9	1140.9	1180.9
162.5°	822.2	860.8	972.6	1085.7	1124.3
165°	829.1	856.7	928.4	1020.9	1055.4
167.5°	834.6	852.6	899.5	953.3	986.4
170°	840.2	851.2	876.0	907.8	920.2
172.5°	844.3	851.2	860.8	876.0	881.5
175°	845.7	849.8	851.2	856.7	858.1
177.5°	848.4	851.2	847.1	848.4	848.4
180°	847.1	847.1	847.1	847.1	847.1

(END OF REPORT)