

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: P275251

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275251  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)  
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 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8111.4 lumens  
Efficiency: N/A  
Efficacy: 127.7 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

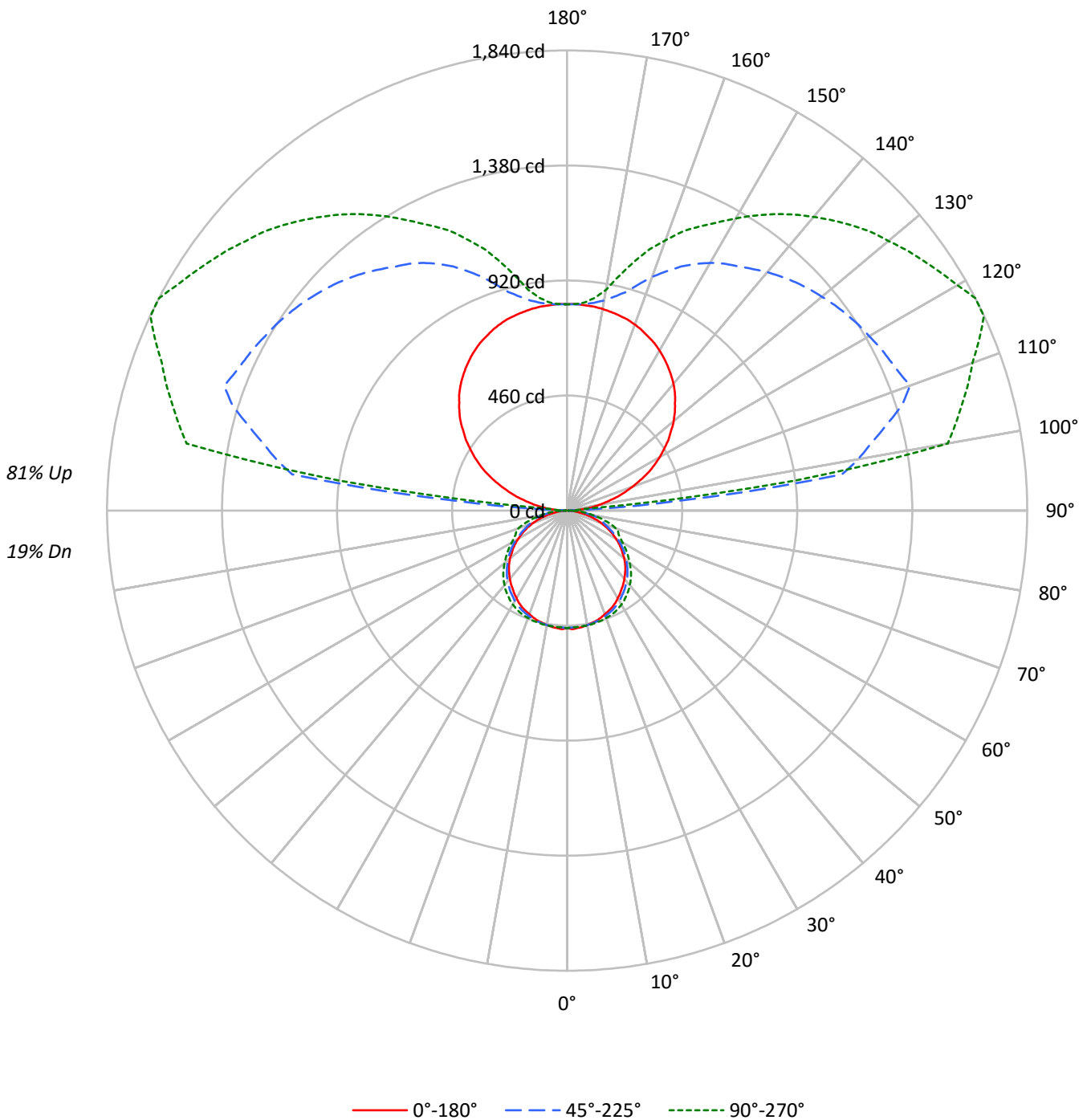
Input Watts (W): 63.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3797	3797	3797
5°	3823	3790	3790
10°	3812	3812	3822
15°	3808	3830	3864
20°	3787	3856	3925
25°	3795	3878	3998
30°	3771	3896	4047
35°	3748	3894	4079
40°	3753	3895	4107
45°	3758	3897	4127
50°	3746	3882	4102
55°	3707	3858	4104
60°	3646	3819	4122
65°	3568	3773	4338
70°	3394	3807	4886
75°	3144	4361	4903
80°	2687	4435	4872
85°	2112	4983	5604



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.7	0.6
10°-20°	129.9	1.6
20°-30°	201.3	2.5
30°-40°	248.3	3.1
40°-50°	264.6	3.3
50°-60°	246.7	3.0
60°-70°	201.5	2.5
70°-80°	138.9	1.7
80°-90°	54.9	0.7
90°-100°	478.0	5.9
100°-110°	1225.1	15.1
110°-120°	1268.6	15.6
120°-130°	1129.5	13.9
130°-140°	940.4	11.6
140°-150°	716.0	8.8
150°-160°	481.8	5.9
160°-170°	261.2	3.2
170°-180°	80.1	1.0
0°-30°	375.8	4.6
0°-40°	624.1	7.7
0°-60°	1135.4	14.0
0°-90°	1530.7	18.9
90°-120°	2971.7	36.6
90°-150°	5757.6	71.0
90°-180°	6581.0	81.1
0°-180°	8111.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	472	470	468	468	468	45
15°	456	457	458	464	462	128
25°	426	429	435	445	449	196
35°	380	386	395	407	414	239
45°	329	332	341	353	362	254
55°	263	267	274	284	292	235
65°	187	191	198	216	227	184
75°	101	108	140	156	157	106
85°	23	43	54	62	60	27
90°	3	4	5	4	4	7
95°	67	532	446	66	64	67
105°	202	845	1321	1560	1634	213
115°	356	876	1423	1772	1838	351
125°	494	896	1365	1658	1740	441
135°	610	920	1291	1537	1613	472
145°	703	900	1192	1388	1447	440
155°	767	857	1076	1215	1254	354
165°	808	834	904	994	1028	228
175°	824	828	829	834	836	79
180°	825	825	825	825	825	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	470.3	470.3	470.3	470.3	470.3
2.5°	474.4	471.7	467.7	467.7	466.3
5°	471.7	470.3	467.7	467.7	467.7
7.5°	469.0	469.0	466.3	467.7	466.3
10°	465.0	466.3	465.0	467.7	466.3
12.5°	459.6	462.3	462.3	466.3	465.0
15°	455.6	456.9	458.3	463.6	462.3
17.5°	448.8	451.5	454.2	460.9	460.9
20°	440.8	444.8	448.8	456.9	456.9
22.5°	434.1	438.1	442.1	451.5	454.2
25°	426.0	428.7	435.4	444.8	448.8
27.5°	416.6	419.3	427.3	436.8	442.1
30°	404.5	409.9	417.9	428.7	434.1
32.5°	393.7	399.1	405.8	419.3	424.7
35°	380.3	385.7	395.1	407.2	413.9
37.5°	369.6	374.9	383.0	395.1	403.2
40°	356.1	360.2	369.6	381.7	389.7
42.5°	342.7	348.1	356.1	369.6	376.3
45°	329.2	331.9	341.3	353.4	361.5
47.5°	314.5	317.1	325.2	338.6	344.0
50°	298.3	302.4	309.1	321.2	326.6
52.5°	279.5	284.9	293.0	302.4	309.1
55°	263.4	267.4	274.1	283.6	291.6
57.5°	245.9	250.0	256.7	266.1	274.1
60°	225.8	229.8	236.5	248.6	255.3
62.5°	205.6	211.0	216.4	228.5	240.5
65°	186.8	190.8	197.5	216.4	227.1
67.5°	165.3	170.7	177.4	204.3	220.4
70°	143.8	149.2	161.3	197.5	207.0
72.5°	123.6	127.7	147.8	182.8	185.5
75°	100.8	107.5	139.8	155.9	157.2
77.5°	77.9	87.4	119.6	130.4	131.7
80°	57.8	72.6	95.4	103.5	104.8
82.5°	40.3	61.8	73.9	80.6	80.6
85°	22.8	43.0	53.8	61.8	60.5
87.5°	13.4	28.2	40.3	47.0	45.7
90°	2.7	4.0	5.4	4.0	4.0
92.5°	34.9	112.9	30.9	30.9	29.6
95°	67.2	532.2	446.2	65.8	64.5
97.5°	96.8	646.4	1108.7	1323.7	920.5
100°	130.4	768.7	1181.2	1458.1	1545.4
102.5°	162.6	821.1	1245.7	1502.4	1589.8
105°	201.6	845.3	1321.0	1560.2	1634.1
107.5°	239.2	857.4	1404.3	1609.9	1681.2
110°	276.8	865.4	1459.4	1666.4	1724.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	315.8	870.8	1437.9	1733.6	1783.3
115°	356.1	876.2	1423.1	1772.5	1838.4
117.5°	392.4	880.2	1411.0	1734.9	1839.7
120°	427.3	885.6	1394.9	1708.0	1802.1
122.5°	459.6	892.3	1381.5	1683.8	1771.2
125°	494.5	896.3	1365.3	1658.3	1740.3
127.5°	524.1	901.7	1349.2	1627.4	1710.7
130°	556.4	911.1	1330.4	1600.5	1677.1
132.5°	584.6	917.8	1311.6	1571.0	1648.9
135°	610.1	920.5	1291.4	1537.4	1612.6
137.5°	638.3	919.2	1268.6	1503.8	1573.6
140°	661.2	913.8	1244.4	1467.5	1533.3
142.5°	682.7	909.8	1217.5	1429.9	1491.7
145°	702.8	900.4	1192.0	1388.2	1447.3
147.5°	721.6	891.0	1170.5	1345.2	1398.9
150°	739.1	877.5	1143.6	1295.5	1349.2
152.5°	755.2	866.8	1111.4	1252.5	1298.2
155°	767.3	857.4	1076.4	1214.8	1253.8
157.5°	780.8	850.7	1034.8	1166.5	1208.1
160°	791.5	843.9	994.4	1111.4	1150.3
162.5°	800.9	838.6	947.4	1057.6	1095.2
165°	807.7	834.5	904.4	994.4	1028.0
167.5°	813.0	830.5	876.2	928.6	960.9
170°	818.4	829.2	853.3	884.3	896.3
172.5°	822.4	829.2	838.6	853.3	858.7
175°	823.8	827.8	829.2	834.5	835.9
177.5°	826.5	829.2	825.1	826.5	826.5
180°	825.1	825.1	825.1	825.1	825.1

(END OF REPORT)