

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: P275185

Luminaire Tested: **J3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275185  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)  
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 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2943.1 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

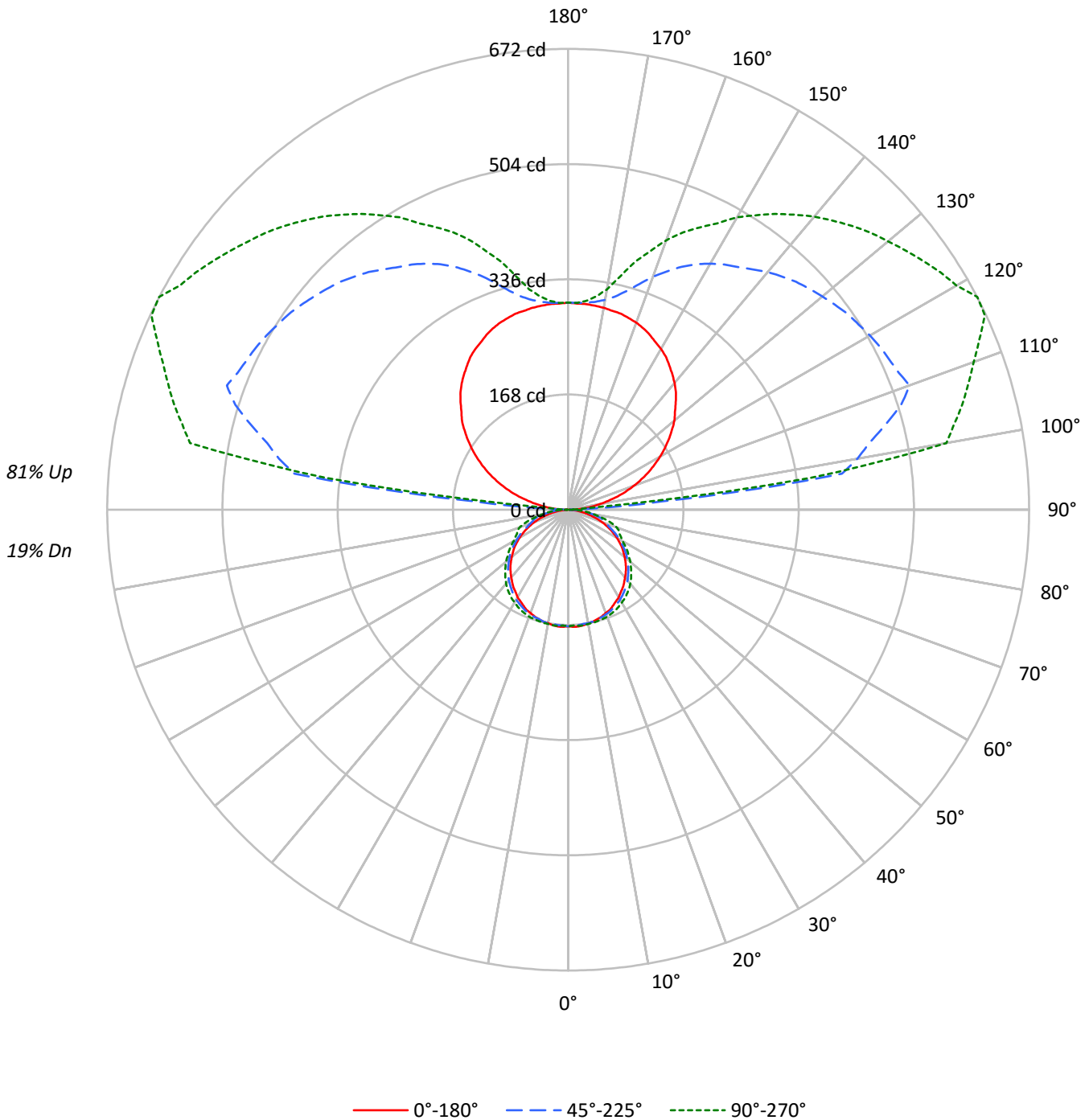
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	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	19	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°	1372	1372	1372
5°	1386	1370	1378
10°	1377	1377	1385
15°	1380	1380	1404
20°	1376	1393	1427
25°	1375	1401	1445
30°	1375	1411	1457
35°	1367	1415	1473
40°	1359	1421	1483
45°	1361	1417	1483
50°	1350	1412	1485
55°	1347	1403	1485
60°	1326	1389	1482
65°	1287	1362	1568
70°	1223	1383	1775
75°	1126	1585	1797
80°	1000	1590	1725
85°	815	1806	1991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	0.5
10°-20°	47.0	1.6
20°-30°	72.8	2.5
30°-40°	90.1	3.1
40°-50°	96.0	3.3
50°-60°	89.5	3.0
60°-70°	72.9	2.5
70°-80°	50.1	1.7
80°-90°	19.6	0.7
90°-100°	172.0	5.8
100°-110°	444.7	15.1
110°-120°	461.0	15.7
120°-130°	409.7	13.9
130°-140°	341.5	11.6
140°-150°	260.4	8.8
150°-160°	175.4	6.0
160°-170°	95.1	3.2
170°-180°	29.2	1.0
0°-30°	136.0	4.6
0°-40°	226.1	7.7
0°-60°	411.6	14.0
0°-90°	554.2	18.8
90°-120°	1077.6	36.6
90°-150°	2089.2	71.0
90°-180°	2389.0	81.2
0°-180°	2943.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	170	170	170	170	170	
5°	171	170	169	169	170	16
15°	165	165	165	167	168	47
25°	154	155	157	161	162	71
35°	139	140	144	148	150	87
45°	119	121	124	129	130	92
55°	96	97	100	104	106	85
65°	67	69	71	78	82	66
75°	36	39	51	57	58	38
85°	9	16	20	22	22	10
90°	1	2	2	1	1	3
95°	24	192	136	23	23	24
105°	74	308	479	565	595	78
115°	129	318	517	645	670	127
125°	179	324	497	600	632	160
135°	222	334	470	558	585	171
145°	257	328	432	504	527	161
155°	281	314	391	442	454	130
165°	296	304	330	362	373	84
175°	301	302	303	305	306	29
180°	302	302	302	302	302	



TEST NUMBER: P275185

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	170.0	170.0	170.0	170.0	170.0
2.5°	171.0	171.0	169.0	169.0	169.0
5°	171.0	170.0	169.0	169.0	170.0
7.5°	170.0	170.0	168.0	169.0	170.0
10°	168.0	168.0	168.0	169.0	169.0
12.5°	167.1	167.1	167.1	168.0	169.0
15°	165.1	165.1	165.1	167.1	168.0
17.5°	163.2	163.2	164.1	166.1	167.1
20°	160.2	161.2	162.2	165.1	166.1
22.5°	158.3	158.3	160.2	163.2	164.1
25°	154.4	155.3	157.3	161.2	162.2
27.5°	150.5	151.4	154.4	158.3	159.3
30°	147.5	148.5	151.4	155.3	156.3
32.5°	142.6	144.6	147.5	152.4	153.4
35°	138.7	139.7	143.6	148.5	149.5
37.5°	133.8	135.8	138.7	143.6	145.6
40°	129.0	130.9	134.8	139.7	140.7
42.5°	124.1	126.0	129.0	133.8	135.8
45°	119.2	121.1	124.1	129.0	129.9
47.5°	113.3	115.3	118.2	123.1	124.1
50°	107.5	109.4	112.4	116.3	118.2
52.5°	101.6	103.6	106.5	110.4	111.4
55°	95.7	96.7	99.7	103.6	105.5
57.5°	88.9	90.9	92.8	96.7	98.7
60°	82.1	83.0	86.0	89.9	91.8
62.5°	74.3	76.2	79.1	83.0	87.0
65°	67.4	69.4	71.3	78.2	82.1
67.5°	59.6	61.6	64.5	73.3	80.1
70°	51.8	53.7	58.6	71.3	75.2
72.5°	44.0	45.9	53.7	65.5	67.4
75°	36.1	39.1	50.8	56.7	57.6
77.5°	28.3	31.3	43.0	45.9	46.9
80°	21.5	26.4	34.2	37.1	37.1
82.5°	14.7	22.5	26.4	28.3	29.3
85°	8.8	15.6	19.5	21.5	21.5
87.5°	4.9	9.8	13.7	16.6	15.6
90°	1.0	2.0	2.0	1.0	1.0
92.5°	13.7	40.1	11.7	10.7	10.7
95°	24.4	192.5	135.8	23.4	23.4
97.5°	35.2	235.5	402.5	473.8	356.6
100°	46.9	279.4	427.9	529.5	559.8
102.5°	59.6	299.9	449.4	544.2	576.4
105°	74.3	307.8	478.7	564.7	595.0
107.5°	87.9	312.6	509.0	583.3	611.6
110°	101.6	314.6	529.5	604.8	629.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	115.3	316.5	521.7	630.2	648.7
115°	129.0	317.5	516.8	644.8	670.2
117.5°	141.7	319.5	512.9	630.2	672.2
120°	154.4	321.4	508.0	618.4	653.6
122.5°	167.1	323.4	502.2	609.6	643.8
125°	178.8	324.4	497.3	599.9	632.1
127.5°	190.5	326.3	490.5	590.1	620.4
130°	202.2	330.2	483.6	579.4	608.7
132.5°	211.0	333.2	476.8	569.6	597.9
135°	221.8	334.1	469.9	557.9	585.2
137.5°	232.5	334.1	461.1	546.1	571.5
140°	241.3	333.2	452.4	532.5	557.9
142.5°	249.1	331.2	441.6	518.8	542.2
145°	257.0	328.3	431.8	504.1	526.6
147.5°	264.8	325.3	424.0	488.5	509.0
150°	270.6	321.4	414.2	471.9	492.4
152.5°	275.5	316.5	403.5	456.3	470.9
155°	281.4	313.6	390.8	441.6	454.3
157.5°	286.3	309.7	376.1	426.0	437.7
160°	290.2	307.8	361.5	405.5	418.2
162.5°	293.1	304.8	344.9	384.9	394.7
165°	296.0	303.8	330.2	362.5	373.2
167.5°	297.0	301.9	318.5	339.0	347.8
170°	299.0	301.9	310.7	322.4	326.3
172.5°	299.9	301.9	305.8	311.7	313.6
175°	300.9	301.9	302.9	304.8	305.8
177.5°	300.9	301.9	301.9	301.9	301.9
180°	301.9	301.9	301.9	301.9	301.9

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