

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: P275207

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275207  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3146.1 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

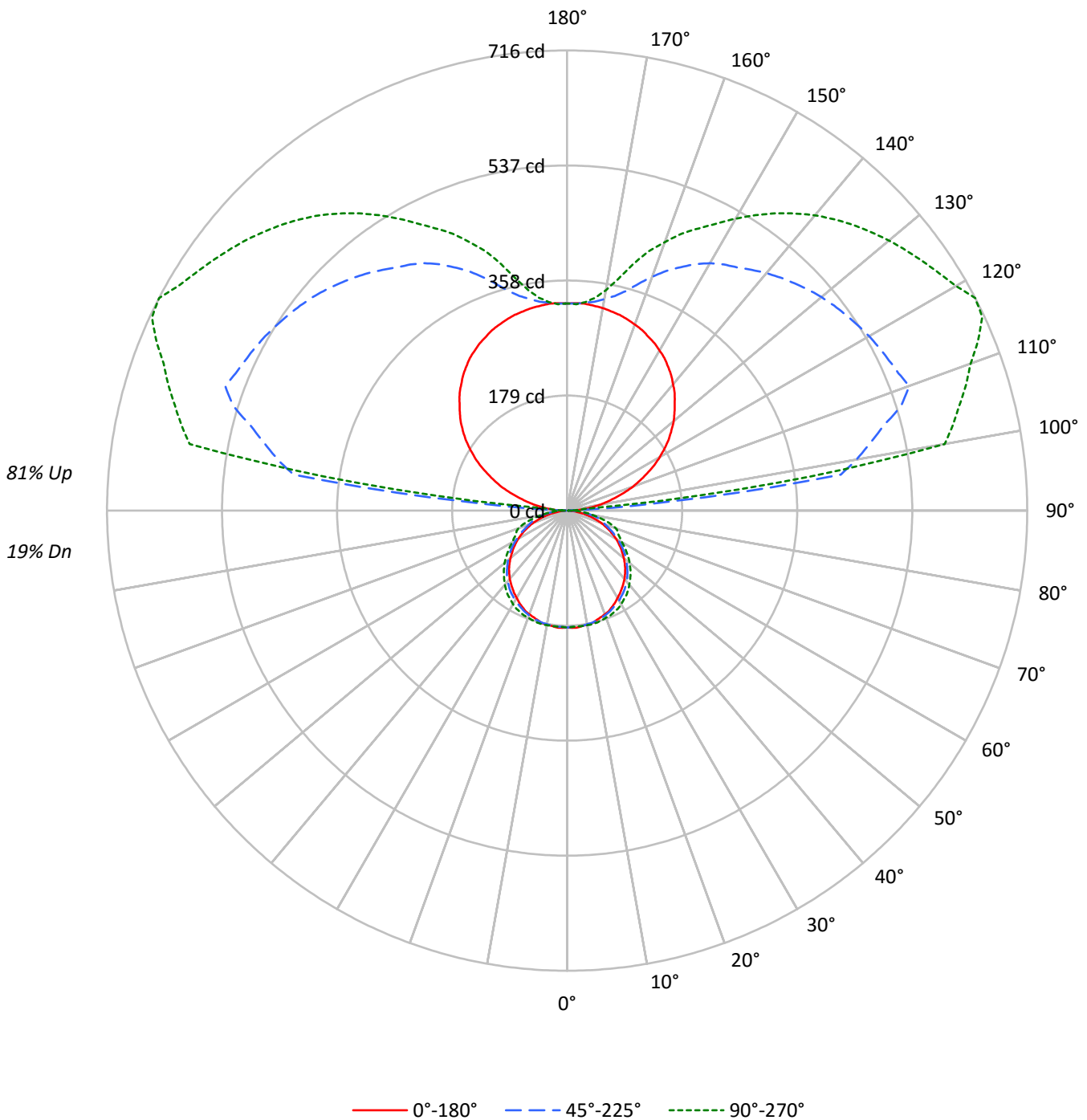
Input Watts (W): 27.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1468	1468	1468
5°	1481	1468	1468
10°	1478	1471	1485
15°	1474	1481	1507
20°	1475	1489	1522
25°	1473	1495	1550
30°	1462	1505	1572
35°	1461	1515	1584
40°	1463	1512	1586
45°	1459	1513	1594
50°	1447	1507	1595
55°	1434	1500	1589
60°	1418	1481	1595
65°	1377	1467	1677
70°	1331	1480	1907
75°	1223	1687	1931
80°	1055	1711	1860
85°	797	1890	2103



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.3	0.5
10°-20°	50.3	1.6
20°-30°	77.9	2.5
30°-40°	96.3	3.1
40°-50°	102.7	3.3
50°-60°	95.8	3.0
60°-70°	78.2	2.5
70°-80°	53.8	1.7
80°-90°	21.1	0.7
90°-100°	183.2	5.8
100°-110°	474.8	15.1
110°-120°	492.6	15.7
120°-130°	438.4	13.9
130°-140°	365.3	11.6
140°-150°	278.2	8.8
150°-160°	187.4	6.0
160°-170°	101.7	3.2
170°-180°	31.3	1.0
0°-30°	145.5	4.6
0°-40°	241.8	7.7
0°-60°	440.4	14.0
0°-90°	593.4	18.9
90°-120°	1150.5	36.6
90°-150°	2232.4	71.0
90°-180°	2553.0	81.1
0°-180°	3146.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	182	182	182	182	182	
5°	183	183	181	181	181	17
15°	176	177	177	180	180	50
25°	165	165	168	172	174	76
35°	148	150	154	158	161	93
45°	128	129	132	137	140	98
55°	102	104	107	110	113	91
65°	72	74	77	84	88	71
75°	39	42	54	60	62	41
85°	9	16	20	24	23	10
90°	2	2	2	2	2	3
95°	27	207	159	26	25	26
105°	78	328	510	604	632	83
115°	137	340	553	690	713	136
125°	193	347	530	643	676	172
135°	237	357	500	598	629	183
145°	274	350	462	538	564	171
155°	299	335	418	471	484	138
165°	315	325	354	386	397	89
175°	323	325	325	326	325	31
180°	322	322	322	322	322	



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CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	181.9	181.9	181.9	181.9	181.9
2.5°	182.7	182.7	181.1	181.1	181.1
5°	182.7	182.7	181.1	181.1	181.1
7.5°	181.1	181.9	181.1	181.1	181.1
10°	180.3	180.3	179.5	180.3	181.1
12.5°	179.5	179.5	178.8	180.3	181.1
15°	176.4	177.2	177.2	179.5	180.3
17.5°	174.0	174.8	175.6	178.0	178.8
20°	171.7	171.7	173.3	176.4	177.2
22.5°	169.3	169.3	170.9	174.8	176.4
25°	165.4	165.4	167.8	172.5	174.0
27.5°	161.5	162.3	164.6	169.3	171.7
30°	156.8	158.4	161.5	166.2	168.6
32.5°	152.9	154.4	157.6	162.3	163.9
35°	148.2	149.7	153.7	158.4	160.7
37.5°	143.5	145.0	149.0	153.7	156.0
40°	138.8	140.3	143.5	149.0	150.5
42.5°	133.3	134.8	138.8	143.5	145.0
45°	127.8	129.4	132.5	137.2	139.6
47.5°	121.5	123.9	126.2	130.9	133.3
50°	115.2	117.6	120.0	124.7	127.0
52.5°	108.2	111.3	113.7	117.6	120.0
55°	101.9	104.3	106.6	109.8	112.9
57.5°	94.9	97.2	99.6	103.5	105.8
60°	87.8	89.4	91.7	95.6	98.8
62.5°	80.0	82.3	83.9	88.6	93.3
65°	72.1	73.7	76.8	83.9	87.8
67.5°	64.3	65.9	69.0	79.2	85.5
70°	56.4	58.0	62.7	76.8	80.8
72.5°	47.0	49.4	57.2	70.6	72.1
75°	39.2	41.6	54.1	60.4	61.9
77.5°	30.6	33.7	46.3	50.2	51.0
80°	22.7	28.2	36.8	40.0	40.0
82.5°	14.9	23.5	28.2	31.4	31.4
85°	8.6	16.5	20.4	23.5	22.7
87.5°	5.5	11.0	15.7	18.0	17.2
90°	1.6	1.6	1.6	1.6	1.6
92.5°	14.9	41.6	12.5	11.8	11.8
95°	26.7	207.0	159.2	25.9	25.1
97.5°	37.6	252.4	429.6	507.2	329.3
100°	51.0	300.3	457.1	565.3	596.6
102.5°	63.5	320.7	482.2	580.9	614.7
105°	77.6	328.5	509.6	603.7	631.9
107.5°	93.3	333.2	545.7	622.5	650.7
110°	109.0	335.6	566.0	647.6	668.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	123.1	337.1	558.2	673.5	692.3
115°	137.2	339.5	552.7	689.9	712.7
117.5°	152.9	341.0	548.0	674.2	715.8
120°	166.2	343.4	542.5	663.3	698.5
122.5°	179.5	345.7	536.3	653.1	686.8
125°	192.9	347.3	530.0	642.9	675.8
127.5°	204.6	348.9	523.7	631.9	664.8
130°	216.4	353.6	516.7	621.7	653.9
132.5°	226.6	356.7	508.8	609.2	641.3
135°	236.8	356.7	500.2	598.2	628.8
137.5°	247.7	356.7	491.6	584.1	614.7
140°	256.4	355.2	482.2	570.0	599.8
142.5°	265.8	353.6	472.0	555.1	582.5
145°	273.6	350.4	461.8	537.8	564.5
147.5°	281.5	346.5	453.9	520.6	544.9
150°	287.7	342.6	444.5	503.3	524.5
152.5°	294.0	337.9	432.0	486.9	503.3
155°	298.7	334.8	417.9	471.2	484.5
157.5°	304.2	332.4	403.8	453.2	466.5
160°	308.1	329.3	387.3	432.8	444.5
162.5°	312.0	326.9	370.0	410.8	423.4
165°	315.2	325.4	353.6	386.5	396.7
167.5°	317.5	324.6	341.8	362.2	369.3
170°	319.9	323.8	334.0	345.7	348.1
172.5°	321.4	323.8	327.7	333.2	334.0
175°	323.0	324.6	324.6	326.1	325.4
177.5°	323.0	323.8	322.2	323.0	321.4
180°	322.2	322.2	322.2	322.2	322.2

(END OF REPORT)