

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: P275211

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275211  
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 (4500K)  
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 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3635.7 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

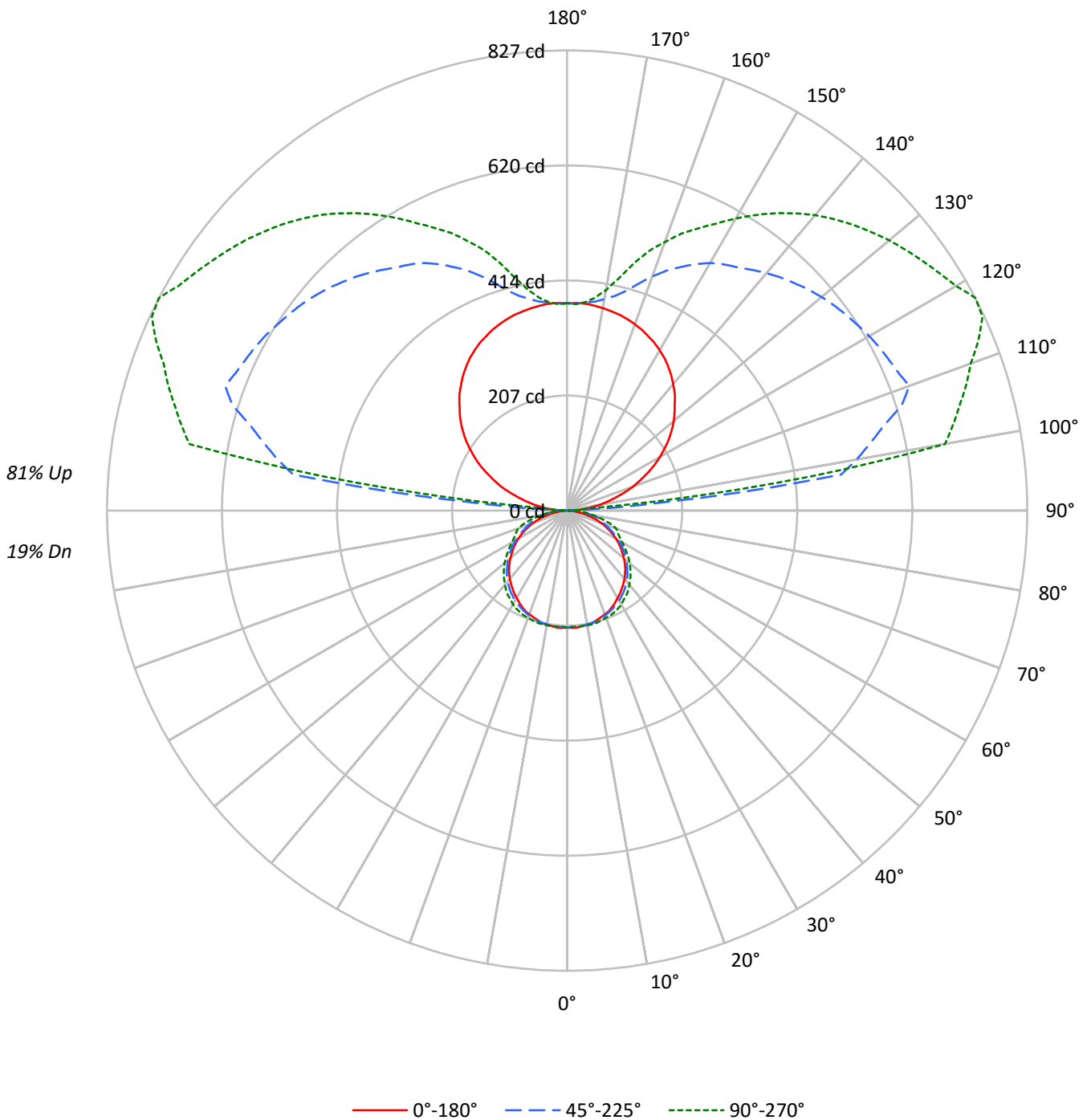
Input Watts (W): 28.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1697	1697	1697
5°	1711	1696	1696
10°	1708	1701	1716
15°	1704	1712	1742
20°	1704	1720	1759
25°	1703	1727	1791
30°	1689	1739	1816
35°	1687	1750	1830
40°	1690	1747	1834
45°	1686	1748	1842
50°	1673	1741	1844
55°	1658	1734	1837
60°	1639	1711	1844
65°	1593	1696	1939
70°	1539	1711	2202
75°	1413	1949	2233
80°	1223	1980	2148
85°	926	2186	2436



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	0.5
10°-20°	58.1	1.6
20°-30°	90.0	2.5
30°-40°	111.3	3.1
40°-50°	118.7	3.3
50°-60°	110.7	3.0
60°-70°	90.3	2.5
70°-80°	62.2	1.7
80°-90°	24.4	0.7
90°-100°	211.7	5.8
100°-110°	548.7	15.1
110°-120°	569.2	15.7
120°-130°	506.6	13.9
130°-140°	422.1	11.6
140°-150°	321.5	8.8
150°-160°	216.5	6.0
160°-170°	117.5	3.2
170°-180°	36.2	1.0
0°-30°	168.1	4.6
0°-40°	279.5	7.7
0°-60°	508.9	14.0
0°-90°	685.7	18.9
90°-120°	1329.6	36.6
90°-150°	2579.7	71.0
90°-180°	2950.0	81.1
0°-180°	3635.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	210	210	210	210	210	
5°	211	211	209	209	209	20
15°	204	205	205	208	208	58
25°	191	191	194	199	201	88
35°	171	173	178	183	186	107
45°	148	150	153	159	161	114
55°	118	120	123	127	130	105
65°	83	85	89	97	102	83
75°	45	48	62	70	72	48
85°	10	19	24	27	26	12
90°	2	2	2	2	2	4
95°	31	239	184	30	29	31
105°	90	380	589	698	730	96
115°	159	392	639	797	824	158
125°	223	401	612	743	781	199
135°	274	412	578	691	727	211
145°	316	405	534	622	652	198
155°	345	387	483	544	560	159
165°	364	376	409	447	458	103
175°	373	375	375	377	376	35
180°	372	372	372	372	372	



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CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	210.2	210.2	210.2	210.2	210.2
2.5°	211.1	211.1	209.3	209.3	209.3
5°	211.1	211.1	209.3	209.3	209.3
7.5°	209.3	210.2	209.3	209.3	209.3
10°	208.4	208.4	207.5	208.4	209.3
12.5°	207.5	207.5	206.6	208.4	209.3
15°	203.9	204.8	204.8	207.5	208.4
17.5°	201.1	202.0	202.9	205.7	206.6
20°	198.4	198.4	200.2	203.9	204.8
22.5°	195.7	195.7	197.5	202.0	203.9
25°	191.2	191.2	193.9	199.3	201.1
27.5°	186.6	187.5	190.3	195.7	198.4
30°	181.2	183.0	186.6	192.1	194.8
32.5°	176.7	178.5	182.1	187.5	189.4
35°	171.2	173.0	177.6	183.0	185.7
37.5°	165.8	167.6	172.1	177.6	180.3
40°	160.4	162.2	165.8	172.1	174.0
42.5°	154.0	155.8	160.4	165.8	167.6
45°	147.7	149.5	153.1	158.6	161.3
47.5°	140.4	143.1	145.9	151.3	154.0
50°	133.2	135.9	138.6	144.1	146.8
52.5°	125.0	128.7	131.4	135.9	138.6
55°	117.8	120.5	123.2	126.8	130.5
57.5°	109.6	112.3	115.1	119.6	122.3
60°	101.5	103.3	106.0	110.5	114.2
62.5°	92.4	95.1	96.9	102.4	107.8
65°	83.4	85.2	88.8	96.9	101.5
67.5°	74.3	76.1	79.7	91.5	98.8
70°	65.2	67.0	72.5	88.8	93.3
72.5°	54.4	57.1	66.1	81.5	83.4
75°	45.3	48.0	62.5	69.8	71.6
77.5°	35.3	39.0	53.5	58.0	58.9
80°	26.3	32.6	42.6	46.2	46.2
82.5°	17.2	27.2	32.6	36.2	36.2
85°	10.0	19.0	23.6	27.2	26.3
87.5°	6.3	12.7	18.1	20.8	19.9
90°	1.8	1.8	1.8	1.8	1.8
92.5°	17.2	48.0	14.5	13.6	13.6
95°	30.8	239.2	183.9	29.9	29.0
97.5°	43.5	291.7	496.5	586.2	380.5
100°	58.9	347.0	528.2	653.2	689.5
102.5°	73.4	370.6	557.2	671.3	710.3
105°	89.7	379.6	588.9	697.6	730.2
107.5°	107.8	385.1	630.6	719.4	752.0
110°	125.9	387.8	654.1	748.4	771.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	142.2	389.6	645.1	778.3	800.0
115°	158.6	392.3	638.7	797.3	823.6
117.5°	176.7	394.1	633.3	779.2	827.2
120°	192.1	396.8	627.0	766.5	807.2
122.5°	207.5	399.5	619.7	754.7	793.7
125°	222.9	401.4	612.5	742.9	781.0
127.5°	236.5	403.2	605.2	730.2	768.3
130°	250.1	408.6	597.1	718.5	755.6
132.5°	261.8	412.2	588.0	704.0	741.1
135°	273.6	412.2	578.0	691.3	726.6
137.5°	286.3	412.2	568.1	675.0	710.3
140°	296.3	410.4	557.2	658.7	693.1
142.5°	307.1	408.6	545.4	641.4	673.2
145°	316.2	405.0	533.6	621.5	652.3
147.5°	325.3	400.5	524.6	601.6	629.7
150°	332.5	395.9	513.7	581.7	606.1
152.5°	339.8	390.5	499.2	562.6	581.7
155°	345.2	386.9	482.9	544.5	559.9
157.5°	351.5	384.1	466.6	523.7	539.1
160°	356.1	380.5	447.6	500.1	513.7
162.5°	360.6	377.8	427.6	474.7	489.2
165°	364.2	376.0	408.6	446.7	458.4
167.5°	366.9	375.1	395.0	418.6	426.7
170°	369.6	374.2	386.0	399.5	402.3
172.5°	371.5	374.2	378.7	385.1	386.0
175°	373.3	375.1	375.1	376.9	376.0
177.5°	373.3	374.2	372.4	373.3	371.5
180°	372.4	372.4	372.4	372.4	372.4

(END OF REPORT)