

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: P275085

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-20L92765-1D-UNV-W2A-W-4 (5700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2117.1 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

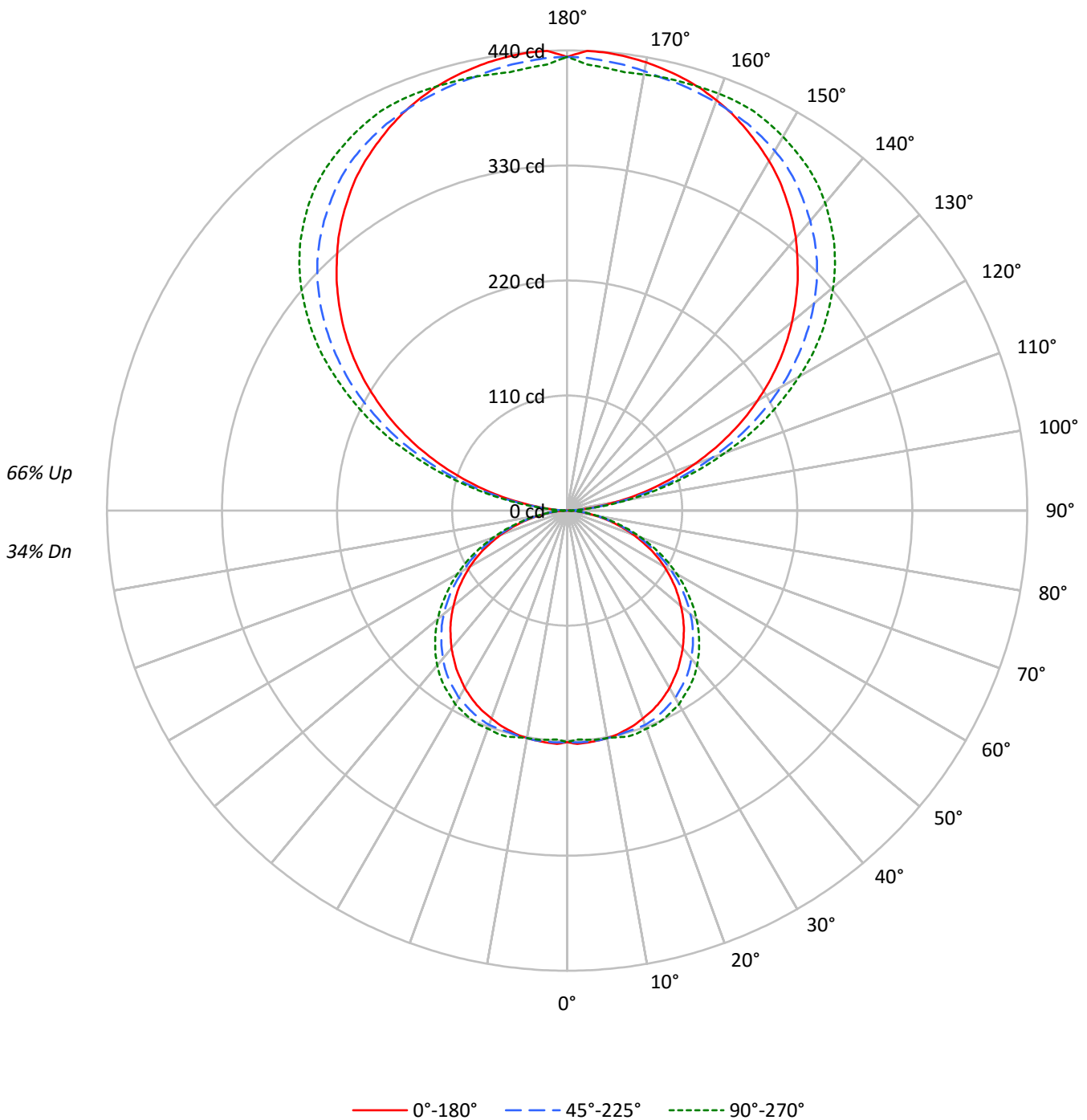
Input Watts (W): 16.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

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

	0°	45°	90°
0°	1787	1787	1787
5°	1806	1798	1782
10°	1811	1811	1811
15°	1814	1830	1870
20°	1816	1874	1906
25°	1824	1900	1955
30°	1825	1927	1994
35°	1821	1942	2018
40°	1813	1948	2037
45°	1802	1942	2039
50°	1783	1933	2030
55°	1765	1906	1999
60°	1732	1857	1957
65°	1679	1786	1889
70°	1581	1683	1770
75°	1454	1541	1616
80°	1260	1348	1395
85°	1010	1047	1102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.1	1.0
10°-20°	62.1	2.9
20°-30°	97.8	4.6
30°-40°	122.2	5.8
40°-50°	130.3	6.2
50°-60°	120.1	5.7
60°-70°	92.3	4.4
70°-80°	52.3	2.5
80°-90°	13.8	0.6
90°-100°	22.2	1.0
100°-110°	104.4	4.9
110°-120°	189.3	8.9
120°-130°	243.2	11.5
130°-140°	258.7	12.2
140°-150°	238.0	11.2
150°-160°	188.5	8.9
160°-170°	119.7	5.7
170°-180°	41.0	1.9
0°-30°	181.1	8.6
0°-40°	303.3	14.3
0°-60°	553.7	26.2
0°-90°	712.0	33.6
90°-120°	316.0	14.9
90°-150°	1055.9	49.9
90°-180°	1405.0	66.4
0°-180°	2117.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	221	221	221	221	221	
5°	223	221	222	221	220	21
15°	217	216	219	223	224	61
25°	205	205	213	218	220	94
35°	185	188	197	202	205	115
45°	158	162	170	175	179	122
55°	125	129	135	140	142	112
65°	88	90	94	97	99	87
75°	47	48	49	51	52	49
85°	11	11	11	12	12	12
90°	0	0	0	0	0	1
95°	15	15	17	18	18	19
105°	88	91	100	106	109	93
115°	171	178	193	205	211	169
125°	247	255	274	289	297	220
135°	312	316	338	352	361	240
145°	365	364	382	394	401	228
155°	403	398	408	417	422	186
165°	428	422	422	423	424	121
175°	440	434	431	428	425	42
180°	434	434	434	434	434	



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CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	221.4	221.4	221.4	221.4	221.4
2.5°	223.3	221.4	221.9	221.9	219.0
5°	222.8	220.9	221.9	221.4	219.9
7.5°	221.9	220.4	221.9	221.9	220.9
10°	220.9	219.5	220.9	221.4	220.9
12.5°	219.5	218.1	220.4	221.4	221.9
15°	217.1	216.1	219.0	222.8	223.8
17.5°	214.8	214.3	218.6	222.8	223.3
20°	211.4	211.4	218.1	221.4	221.9
22.5°	208.6	208.6	216.1	219.5	221.4
25°	204.8	205.2	213.3	217.7	219.5
27.5°	200.5	201.9	210.0	214.8	216.6
30°	195.8	198.1	206.7	211.4	213.9
32.5°	190.1	193.3	201.9	206.7	209.0
35°	184.8	188.2	197.1	201.9	204.8
37.5°	178.2	182.4	191.5	196.2	199.6
40°	172.0	176.3	184.8	190.1	193.3
42.5°	164.8	169.6	177.7	182.9	186.2
45°	157.8	162.0	170.1	175.3	178.6
47.5°	150.1	154.5	162.6	167.3	170.5
50°	142.0	146.8	153.9	158.7	161.6
52.5°	133.9	138.2	144.9	149.7	152.5
55°	125.4	129.2	135.4	139.8	142.0
57.5°	116.3	120.2	125.4	129.7	132.1
60°	107.3	110.2	115.0	119.2	121.2
62.5°	97.8	100.3	104.5	107.9	110.2
65°	87.9	89.8	93.5	96.9	98.9
67.5°	77.5	79.3	82.6	85.5	86.9
70°	67.0	68.9	71.3	73.6	75.0
72.5°	56.9	58.0	60.3	62.3	63.2
75°	46.6	47.5	49.4	51.3	51.8
77.5°	37.1	37.5	39.0	40.0	40.4
80°	27.1	28.1	29.0	29.4	30.0
82.5°	18.5	19.0	19.4	19.9	20.4
85°	10.9	11.3	11.3	11.9	11.9
87.5°	4.7	5.2	5.2	5.2	5.2
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.7	4.7	5.2	5.7	6.2
95°	14.7	15.2	16.6	17.6	18.5
97.5°	29.4	30.4	33.2	35.7	36.6
100°	47.5	49.4	53.7	56.9	58.5
102.5°	67.0	69.8	76.0	80.8	83.1
105°	87.5	91.3	99.8	106.0	108.8
107.5°	108.3	113.1	124.0	131.1	134.9
110°	129.2	135.4	147.3	156.7	159.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	150.1	156.7	171.0	181.5	186.7
115°	171.0	178.2	193.3	205.2	211.0
117.5°	191.0	198.6	215.2	228.6	233.7
120°	210.0	218.1	236.2	249.9	256.1
122.5°	229.0	236.7	255.6	270.3	278.0
125°	247.1	254.7	274.2	289.3	297.4
127.5°	264.2	271.2	291.8	307.4	315.0
130°	280.8	287.5	308.3	323.6	332.1
132.5°	296.5	302.7	323.6	338.3	347.4
135°	311.7	316.4	337.8	352.5	361.1
137.5°	325.9	329.3	350.2	364.9	373.0
140°	340.2	341.2	361.6	375.3	383.9
142.5°	353.0	352.5	372.0	385.3	393.4
145°	364.9	363.5	382.0	393.8	401.0
147.5°	376.3	373.0	390.5	400.6	407.2
150°	386.2	382.0	397.2	407.2	412.8
152.5°	394.8	390.0	402.9	411.9	417.6
155°	403.4	397.7	408.1	416.6	421.5
157.5°	411.0	403.8	411.9	419.5	423.4
160°	417.6	410.6	415.7	421.5	424.3
162.5°	423.4	416.2	418.6	421.9	424.3
165°	428.1	421.5	421.5	422.8	424.3
167.5°	431.9	426.2	423.4	423.8	424.3
170°	435.2	429.5	426.6	423.8	423.4
172.5°	437.6	431.9	429.5	425.7	422.8
175°	439.5	434.3	431.3	428.1	424.8
177.5°	440.0	435.7	433.3	430.0	427.1
180°	433.8	433.8	433.8	433.8	433.8

(END OF REPORT)