

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: P275084

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)  
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 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2074.5 lumens  
Efficiency: N/A  
Efficacy: 125.0 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

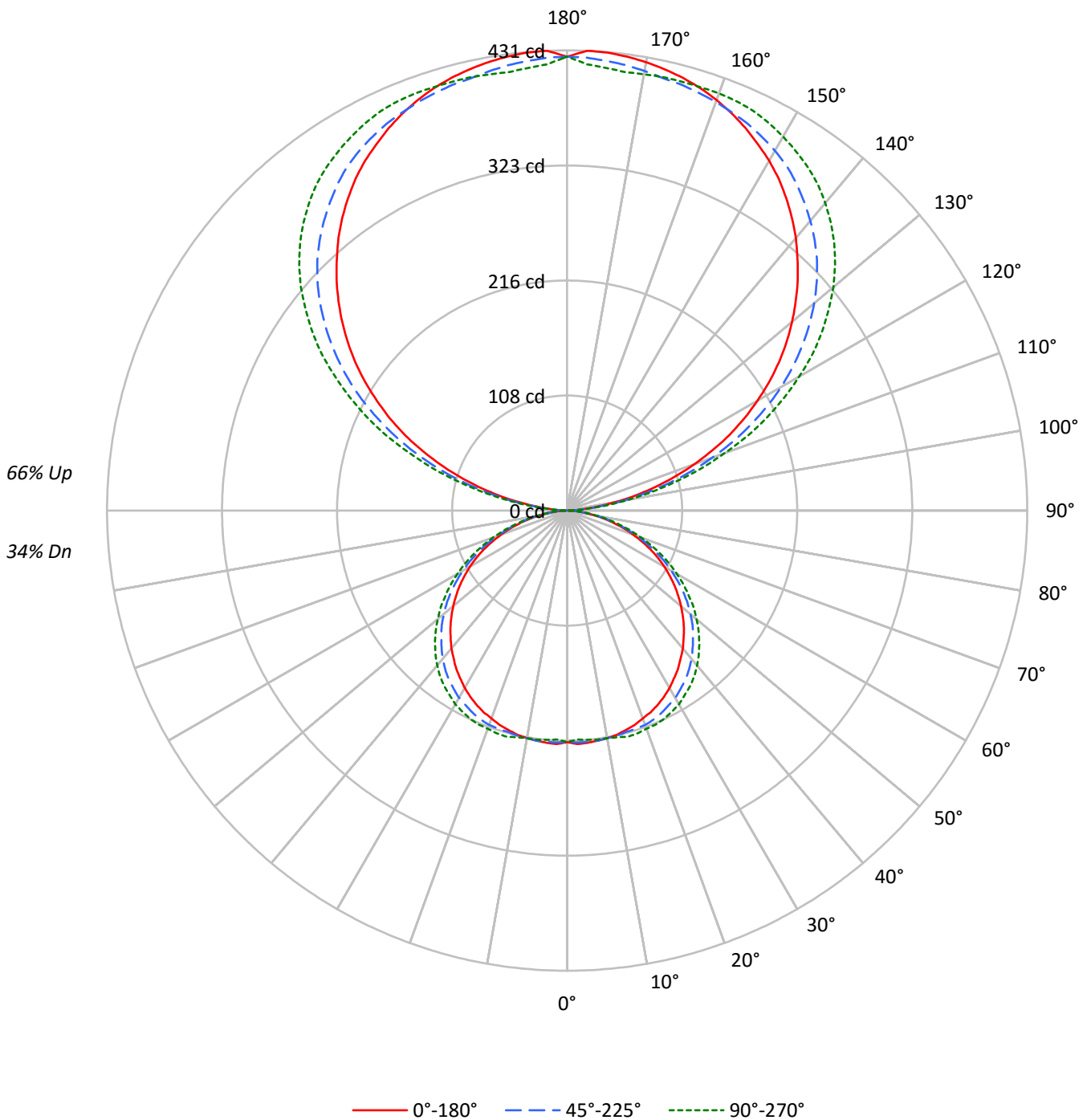
Input Watts (W): 16.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1751	1751	1751
5°	1769	1762	1746
10°	1774	1774	1774
15°	1778	1794	1833
20°	1779	1836	1868
25°	1788	1863	1916
30°	1788	1888	1953
35°	1785	1904	1978
40°	1777	1909	1996
45°	1765	1903	1998
50°	1748	1894	1988
55°	1730	1868	1959
60°	1697	1820	1917
65°	1645	1752	1851
70°	1551	1650	1735
75°	1422	1510	1585
80°	1237	1320	1367
85°	991	1028	1084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.7	1.0
10°-20°	60.9	2.9
20°-30°	95.9	4.6
30°-40°	119.8	5.8
40°-50°	127.7	6.2
50°-60°	117.7	5.7
60°-70°	90.4	4.4
70°-80°	51.2	2.5
80°-90°	13.5	0.7
90°-100°	21.7	1.0
100°-110°	102.3	4.9
110°-120°	185.5	8.9
120°-130°	238.3	11.5
130°-140°	253.5	12.2
140°-150°	233.2	11.2
150°-160°	184.7	8.9
160°-170°	117.3	5.7
170°-180°	40.2	1.9
0°-30°	177.4	8.6
0°-40°	297.2	14.3
0°-60°	542.6	26.2
0°-90°	697.7	33.6
90°-120°	309.6	14.9
90°-150°	1034.6	49.9
90°-180°	1377.0	66.4
0°-180°	2074.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	217	217	217	217	217	
5°	218	216	217	217	216	21
15°	213	212	215	218	219	60
25°	201	201	209	213	215	92
35°	181	184	193	198	201	113
45°	155	159	167	172	175	119
55°	123	127	133	137	139	110
65°	86	88	92	95	97	85
75°	46	46	48	50	51	48
85°	11	11	11	12	12	12
90°	0	0	0	0	0	1
95°	14	15	16	17	18	19
105°	86	89	98	104	107	91
115°	168	175	189	201	207	165
125°	242	250	269	284	291	216
135°	305	310	331	345	354	235
145°	358	356	374	386	393	224
155°	395	390	400	408	413	182
165°	420	413	413	414	416	118
175°	431	426	423	420	416	41
180°	425	425	425	425	425	



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CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	216.9	216.9	216.9	216.9	216.9
2.5°	218.8	216.9	217.4	217.4	214.6
5°	218.3	216.4	217.4	216.9	215.5
7.5°	217.4	216.0	217.4	217.4	216.4
10°	216.4	215.1	216.4	216.9	216.4
12.5°	215.1	213.7	216.0	216.9	217.4
15°	212.7	211.8	214.6	218.3	219.3
17.5°	210.5	210.0	214.2	218.3	218.8
20°	207.1	207.1	213.7	216.9	217.4
22.5°	204.4	204.4	211.8	215.1	216.9
25°	200.7	201.1	209.1	213.3	215.1
27.5°	196.5	197.9	205.7	210.5	212.3
30°	191.8	194.1	202.5	207.1	209.5
32.5°	186.3	189.4	197.9	202.5	204.8
35°	181.1	184.4	193.2	197.9	200.7
37.5°	174.6	178.7	187.6	192.2	195.6
40°	168.6	172.8	181.1	186.3	189.4
42.5°	161.5	166.2	174.1	179.2	182.5
45°	154.6	158.7	166.7	171.8	175.0
47.5°	147.1	151.3	159.3	163.9	167.1
50°	139.2	143.8	150.8	155.5	158.3
52.5°	131.2	135.4	142.0	146.7	149.4
55°	122.9	126.6	132.7	136.9	139.2
57.5°	114.0	117.7	122.9	127.1	129.4
60°	105.1	108.0	112.7	116.8	118.7
62.5°	95.9	98.3	102.4	105.7	108.0
65°	86.1	88.0	91.7	95.0	96.9
67.5°	75.9	77.7	81.0	83.8	85.2
70°	65.7	67.5	69.9	72.1	73.5
72.5°	55.8	56.8	59.1	61.0	61.9
75°	45.6	46.5	48.4	50.3	50.8
77.5°	36.3	36.8	38.3	39.2	39.6
80°	26.6	27.5	28.4	28.8	29.4
82.5°	18.1	18.6	19.0	19.5	20.0
85°	10.7	11.1	11.1	11.7	11.7
87.5°	4.6	5.1	5.1	5.1	5.1
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.6	4.6	5.1	5.5	6.0
95°	14.4	14.9	16.3	17.2	18.1
97.5°	28.8	29.8	32.5	34.9	35.8
100°	46.5	48.4	52.7	55.8	57.3
102.5°	65.7	68.4	74.5	79.1	81.5
105°	85.7	89.4	97.8	103.8	106.6
107.5°	106.1	110.9	121.5	128.5	132.2
110°	126.6	132.7	144.3	153.6	156.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	147.1	153.6	167.6	177.8	183.0
115°	167.6	174.6	189.4	201.1	206.7
117.5°	187.2	194.6	210.9	224.0	229.0
120°	205.7	213.7	231.4	244.9	250.9
122.5°	224.4	231.9	250.4	264.9	272.4
125°	242.1	249.5	268.7	283.5	291.4
127.5°	258.9	265.8	285.9	301.2	308.6
130°	275.1	281.7	302.1	317.1	325.5
132.5°	290.5	296.6	317.1	331.5	340.4
135°	305.4	310.1	331.0	345.4	353.9
137.5°	319.3	322.6	343.2	357.6	365.5
140°	333.3	334.3	354.3	367.8	376.1
142.5°	345.9	345.4	364.5	377.5	385.5
145°	357.6	356.2	374.3	385.9	392.9
147.5°	368.7	365.5	382.7	392.5	399.0
150°	378.4	374.3	389.2	399.0	404.5
152.5°	386.8	382.2	394.8	403.6	409.2
155°	395.3	389.7	399.9	408.2	413.0
157.5°	402.7	395.7	403.6	411.1	414.9
160°	409.2	402.3	407.3	413.0	415.8
162.5°	414.9	407.8	410.2	413.4	415.8
165°	419.5	413.0	413.0	414.3	415.8
167.5°	423.2	417.6	414.9	415.3	415.8
170°	426.5	420.8	418.0	415.3	414.9
172.5°	428.8	423.2	420.8	417.1	414.3
175°	430.6	425.6	422.7	419.5	416.2
177.5°	431.1	426.9	424.6	421.3	418.5
180°	425.1	425.1	425.1	425.1	425.1

(END OF REPORT)