

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: P253495

Luminaire Tested: **J3-CL-30L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253495  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-30L93050-1D-UNV-W2A-W-4 (5000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2694.2 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

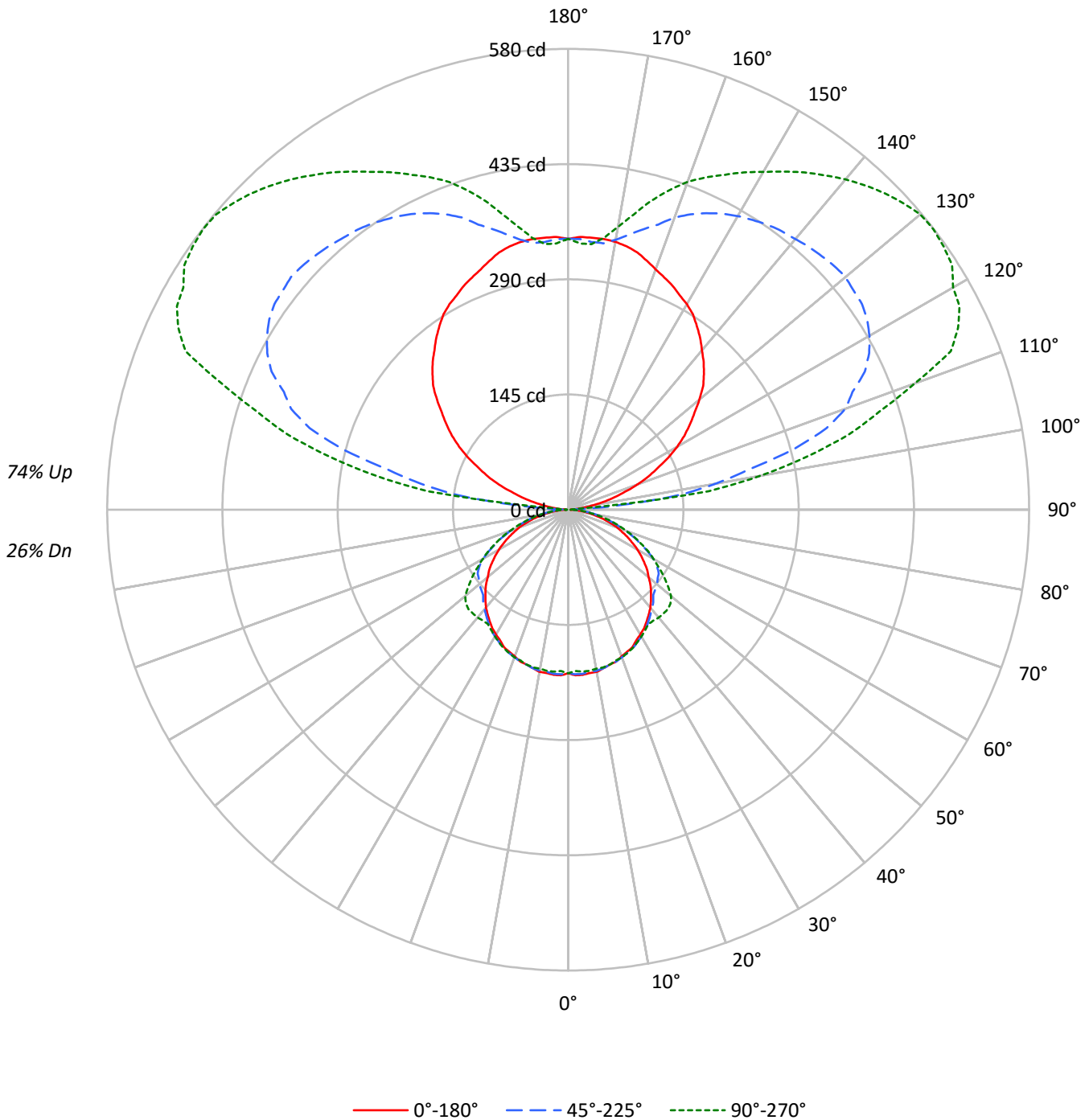
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

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

	0°	45°	90°
0°	1662	1662	1662
5°	1690	1680	1657
10°	1699	1688	1666
15°	1687	1687	1687
20°	1687	1698	1698
25°	1700	1713	1713
30°	1691	1716	1716
35°	1693	1720	1734
40°	1696	1724	1868
45°	1682	1729	2024
50°	1662	1832	2124
55°	1651	1958	2073
60°	1629	2004	2004
65°	1589	1901	1927
70°	1546	1803	1834
75°	1447	1700	1744
80°	1330	1650	1585
85°	1260	1769	1519



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.6	0.7
10°-20°	57.0	2.1
20°-30°	88.1	3.3
30°-40°	109.2	4.1
40°-50°	122.2	4.5
50°-60°	119.5	4.4
60°-70°	94.2	3.5
70°-80°	57.0	2.1
80°-90°	20.3	0.8
90°-100°	70.0	2.6
100°-110°	270.6	10.0
110°-120°	371.9	13.8
120°-130°	376.3	14.0
130°-140°	333.5	12.4
140°-150°	263.7	9.8
150°-160°	184.2	6.8
160°-170°	104.2	3.9
170°-180°	32.7	1.2
0°-30°	164.7	6.1
0°-40°	273.9	10.2
0°-60°	515.6	19.1
0°-90°	687.2	25.5
90°-120°	712.5	26.4
90°-150°	1686.0	62.6
90°-180°	2007.0	74.5
0°-180°	2694.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	206	206	206	206	206	
5°	209	206	207	206	204	20
15°	202	200	202	202	202	57
25°	191	188	192	192	192	88
35°	172	172	174	176	176	108
45°	147	149	151	170	177	114
55°	117	119	139	147	147	105
65°	83	87	100	101	101	82
75°	46	54	54	56	56	49
85°	14	22	19	18	16	14
90°	3	8	7	1	1	3
95°	11	54	66	14	14	14
105°	60	194	293	338	365	64
115°	124	262	412	510	541	124
125°	187	303	451	550	577	167
135°	241	333	451	540	563	186
145°	282	341	438	502	518	177
155°	311	333	412	457	465	143
165°	335	334	365	397	402	94
175°	344	340	338	338	335	33
180°	341	341	341	341	341	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	205.9	205.9	205.9	205.9	205.9
2.5°	208.6	205.9	207.3	205.9	203.2
5°	208.6	205.9	207.3	205.9	204.5
7.5°	207.3	205.9	205.9	204.5	204.5
10°	207.3	204.5	205.9	204.5	203.2
12.5°	204.5	203.2	204.5	203.2	203.2
15°	201.8	200.4	201.8	201.8	201.8
17.5°	200.4	197.7	200.4	200.4	199.1
20°	196.4	195.0	197.7	197.7	197.7
22.5°	193.6	192.3	195.0	195.0	195.0
25°	190.9	188.2	192.3	192.3	192.3
27.5°	185.4	185.4	188.2	189.5	188.2
30°	181.4	180.0	184.1	185.4	184.1
32.5°	177.3	175.9	180.0	181.4	180.0
35°	171.8	171.8	174.5	175.9	175.9
37.5°	166.4	166.4	169.1	170.4	175.9
40°	160.9	160.9	163.6	171.8	177.3
42.5°	154.1	154.1	158.2	170.4	177.3
45°	147.3	148.6	151.4	170.4	177.3
47.5°	140.4	141.8	148.6	169.1	174.5
50°	132.3	135.0	145.9	165.0	169.1
52.5°	125.4	126.8	141.8	158.2	158.2
55°	117.3	118.6	139.1	147.3	147.3
57.5°	109.1	110.4	132.3	135.0	135.0
60°	100.9	102.3	124.1	124.1	124.1
62.5°	91.4	94.1	111.8	113.2	113.2
65°	83.2	87.3	99.5	100.9	100.9
67.5°	73.6	80.5	88.6	90.0	90.0
70°	65.5	73.6	76.4	77.7	77.7
72.5°	55.9	64.1	65.5	66.8	66.8
75°	46.4	54.5	54.5	55.9	55.9
77.5°	36.8	43.6	45.0	45.0	45.0
80°	28.6	32.7	35.5	34.1	34.1
82.5°	20.5	25.9	25.9	25.9	24.5
85°	13.6	21.8	19.1	17.7	16.4
87.5°	8.2	19.1	10.9	9.5	9.5
90°	2.7	8.2	6.8	1.4	1.4
92.5°	5.5	13.6	6.8	5.5	4.1
95°	10.9	54.5	65.5	13.6	13.6
97.5°	20.5	91.4	140.4	166.4	178.6
100°	31.4	136.4	188.2	230.4	245.4
102.5°	45.0	165.0	231.8	285.0	306.8
105°	60.0	193.6	293.2	338.2	365.4
107.5°	75.0	215.4	340.9	391.3	410.4
110°	92.7	233.2	370.9	458.2	463.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	109.1	246.8	387.3	490.9	520.9
115°	124.1	261.8	411.8	510.0	541.3
117.5°	141.8	272.7	426.8	520.9	555.0
120°	158.2	282.3	437.7	534.5	559.1
122.5°	173.2	293.2	445.9	545.4	572.7
125°	186.8	302.7	451.3	549.5	576.8
127.5°	200.4	310.9	452.7	550.9	579.5
130°	215.4	319.1	455.4	549.5	578.2
132.5°	230.4	327.3	454.1	545.4	571.3
135°	241.4	332.7	451.3	540.0	563.2
137.5°	252.3	336.8	448.6	531.8	553.6
140°	261.8	339.5	444.5	522.2	542.7
142.5°	272.7	340.9	441.8	512.7	530.4
145°	282.3	340.9	437.7	501.8	518.2
147.5°	291.8	339.5	432.3	490.9	504.5
150°	298.6	336.8	426.8	480.0	490.9
152.5°	304.1	334.1	420.0	467.7	478.6
155°	310.9	332.7	411.8	456.8	465.0
157.5°	316.3	332.7	402.3	444.5	452.7
160°	321.8	332.7	391.3	432.3	439.1
162.5°	328.6	332.7	376.3	414.5	421.3
165°	335.4	334.1	365.4	396.8	402.3
167.5°	339.5	334.1	354.5	375.0	380.4
170°	342.3	336.8	345.0	360.0	361.3
172.5°	343.6	339.5	338.2	345.0	345.0
175°	343.6	339.5	338.2	338.2	335.4
177.5°	343.6	340.9	340.9	339.5	335.4
180°	340.9	340.9	340.9	340.9	340.9

(END OF REPORT)