

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: P275000

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275000  
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-30L92765-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2351.4 lumens  
Efficiency: N/A  
Efficacy: 114.7 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

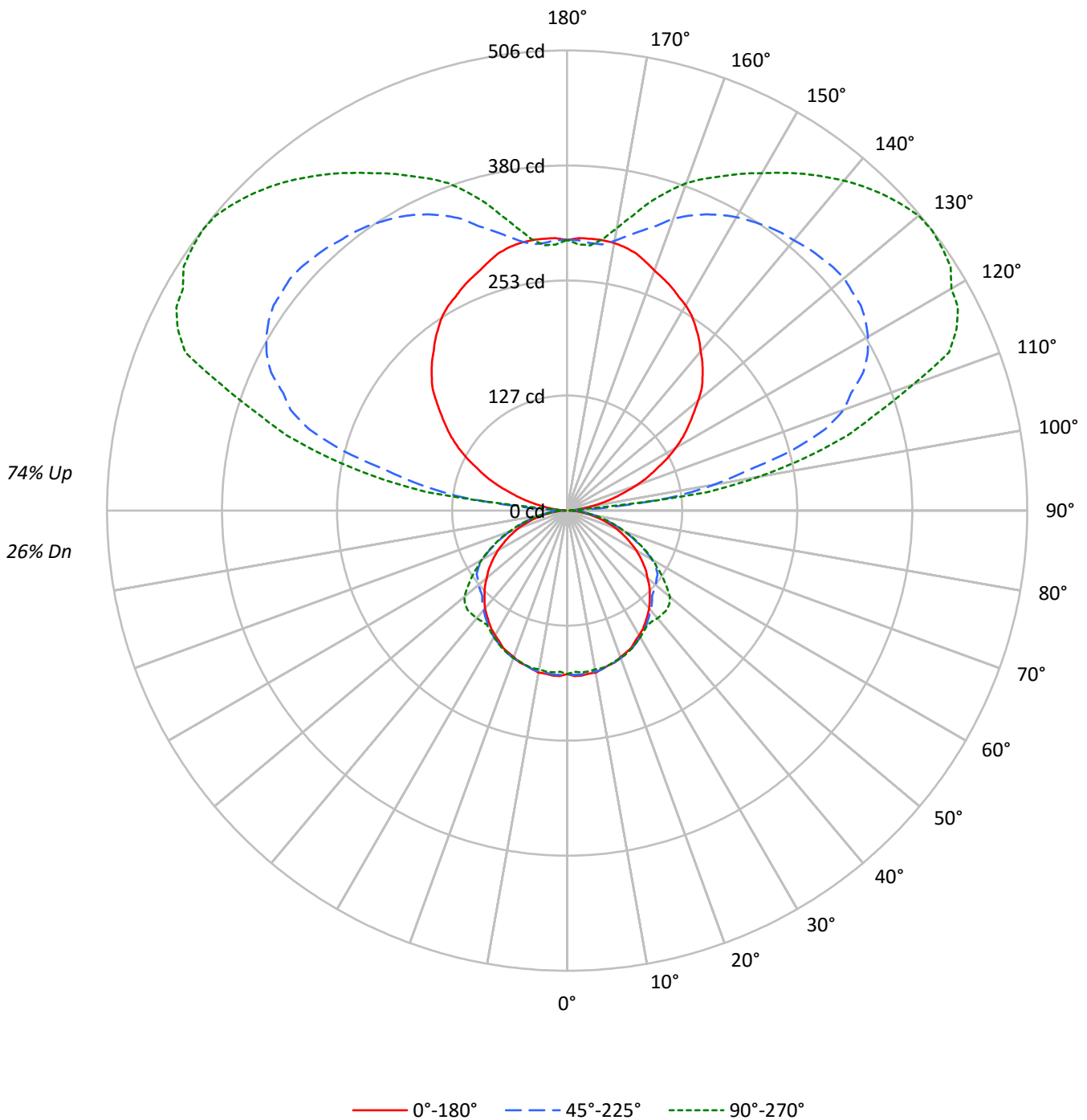
Input Watts (W): 20.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1451	1451	1451
5°	1476	1466	1447
10°	1483	1473	1453
15°	1472	1472	1472
20°	1473	1483	1483
25°	1484	1495	1495
30°	1476	1498	1498
35°	1477	1501	1513
40°	1480	1505	1630
45°	1467	1508	1766
50°	1449	1599	1854
55°	1440	1709	1809
60°	1422	1749	1749
65°	1387	1660	1683
70°	1348	1572	1600
75°	1263	1485	1522
80°	1162	1437	1385
85°	1102	1547	1325



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.1	0.7
10°-20°	49.7	2.1
20°-30°	76.9	3.3
30°-40°	95.3	4.1
40°-50°	106.7	4.5
50°-60°	104.2	4.4
60°-70°	82.3	3.5
70°-80°	49.8	2.1
80°-90°	17.7	0.8
90°-100°	61.1	2.6
100°-110°	236.2	10.0
110°-120°	324.6	13.8
120°-130°	328.4	14.0
130°-140°	291.0	12.4
140°-150°	230.2	9.8
150°-160°	160.7	6.8
160°-170°	91.0	3.9
170°-180°	28.5	1.2
0°-30°	143.7	6.1
0°-40°	239.1	10.2
0°-60°	450.0	19.1
0°-90°	599.7	25.5
90°-120°	621.9	26.4
90°-150°	1471.5	62.6
90°-180°	1752.0	74.5
0°-180°	2351.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	180	180	180	180	180	
5°	182	180	181	180	178	17
15°	176	175	176	176	176	50
25°	167	164	168	168	168	76
35°	150	150	152	154	154	94
45°	128	130	132	149	155	99
55°	102	104	121	128	128	91
65°	73	76	87	88	88	72
75°	40	48	48	49	49	43
85°	12	19	17	16	14	12
90°	2	7	6	1	1	2
95°	10	48	57	12	12	12
105°	52	169	256	295	319	56
115°	108	228	359	445	472	108
125°	163	264	394	480	503	146
135°	211	290	394	471	492	162
145°	246	298	382	438	452	154
155°	271	290	359	399	406	125
165°	293	292	319	346	351	82
175°	300	296	295	295	293	29
180°	298	298	298	298	298	



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CATALOG NUMBER: J3-CL-30L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	179.7	179.7	179.7	179.7	179.7
2.5°	182.1	179.7	180.9	179.7	177.3
5°	182.1	179.7	180.9	179.7	178.5
7.5°	180.9	179.7	179.7	178.5	178.5
10°	180.9	178.5	179.7	178.5	177.3
12.5°	178.5	177.3	178.5	177.3	177.3
15°	176.1	174.9	176.1	176.1	176.1
17.5°	174.9	172.6	174.9	174.9	173.8
20°	171.4	170.2	172.6	172.6	172.6
22.5°	169.0	167.8	170.2	170.2	170.2
25°	166.6	164.2	167.8	167.8	167.8
27.5°	161.9	161.9	164.2	165.4	164.2
30°	158.3	157.1	160.7	161.9	160.7
32.5°	154.7	153.5	157.1	158.3	157.1
35°	149.9	149.9	152.3	153.5	153.5
37.5°	145.2	145.2	147.6	148.8	153.5
40°	140.4	140.4	142.8	149.9	154.7
42.5°	134.5	134.5	138.0	148.8	154.7
45°	128.5	129.7	132.1	148.8	154.7
47.5°	122.6	123.8	129.7	147.6	152.3
50°	115.4	117.8	127.3	144.0	147.6
52.5°	109.5	110.7	123.8	138.0	138.0
55°	102.3	103.5	121.4	128.5	128.5
57.5°	95.2	96.4	115.4	117.8	117.8
60°	88.1	89.3	108.3	108.3	108.3
62.5°	79.7	82.1	97.6	98.8	98.8
65°	72.6	76.2	86.9	88.1	88.1
67.5°	64.3	70.2	77.4	78.5	78.5
70°	57.1	64.3	66.6	67.8	67.8
72.5°	48.8	55.9	57.1	58.3	58.3
75°	40.5	47.6	47.6	48.8	48.8
77.5°	32.1	38.1	39.3	39.3	39.3
80°	25.0	28.6	30.9	29.8	29.8
82.5°	17.9	22.6	22.6	22.6	21.4
85°	11.9	19.0	16.7	15.5	14.3
87.5°	7.1	16.7	9.5	8.3	8.3
90°	2.4	7.1	6.0	1.2	1.2
92.5°	4.8	11.9	6.0	4.8	3.6
95°	9.5	47.6	57.1	11.9	11.9
97.5°	17.9	79.7	122.6	145.2	155.9
100°	27.4	119.0	164.2	201.1	214.2
102.5°	39.3	144.0	202.3	248.7	267.8
105°	52.4	169.0	255.9	295.1	318.9
107.5°	65.5	188.0	297.5	341.6	358.2
110°	80.9	203.5	323.7	399.9	404.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	95.2	215.4	338.0	428.4	454.6
115°	108.3	228.5	359.4	445.1	472.5
117.5°	123.8	238.0	372.5	454.6	484.4
120°	138.0	246.3	382.0	466.5	487.9
122.5°	151.1	255.9	389.2	476.0	499.8
125°	163.0	264.2	393.9	479.6	503.4
127.5°	174.9	271.3	395.1	480.8	505.8
130°	188.0	278.5	397.5	479.6	504.6
132.5°	201.1	285.6	396.3	476.0	498.6
135°	210.6	290.4	393.9	471.3	491.5
137.5°	220.2	293.9	391.5	464.1	483.2
140°	228.5	296.3	388.0	455.8	473.7
142.5°	238.0	297.5	385.6	447.5	462.9
145°	246.3	297.5	382.0	437.9	452.2
147.5°	254.7	296.3	377.3	428.4	440.3
150°	260.6	293.9	372.5	418.9	428.4
152.5°	265.4	291.6	366.5	408.2	417.7
155°	271.3	290.4	359.4	398.7	405.8
157.5°	276.1	290.4	351.1	388.0	395.1
160°	280.9	290.4	341.6	377.3	383.2
162.5°	286.8	290.4	328.5	361.8	367.7
165°	292.8	291.6	318.9	346.3	351.1
167.5°	296.3	291.6	309.4	327.3	332.0
170°	298.7	293.9	301.1	314.2	315.4
172.5°	299.9	296.3	295.1	301.1	301.1
175°	299.9	296.3	295.1	295.1	292.8
177.5°	299.9	297.5	297.5	296.3	292.8
180°	297.5	297.5	297.5	297.5	297.5

(END OF REPORT)