

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: P275087

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275087  
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-30L82765-1D-UNV-W2A-W-4 (2700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2650.5 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

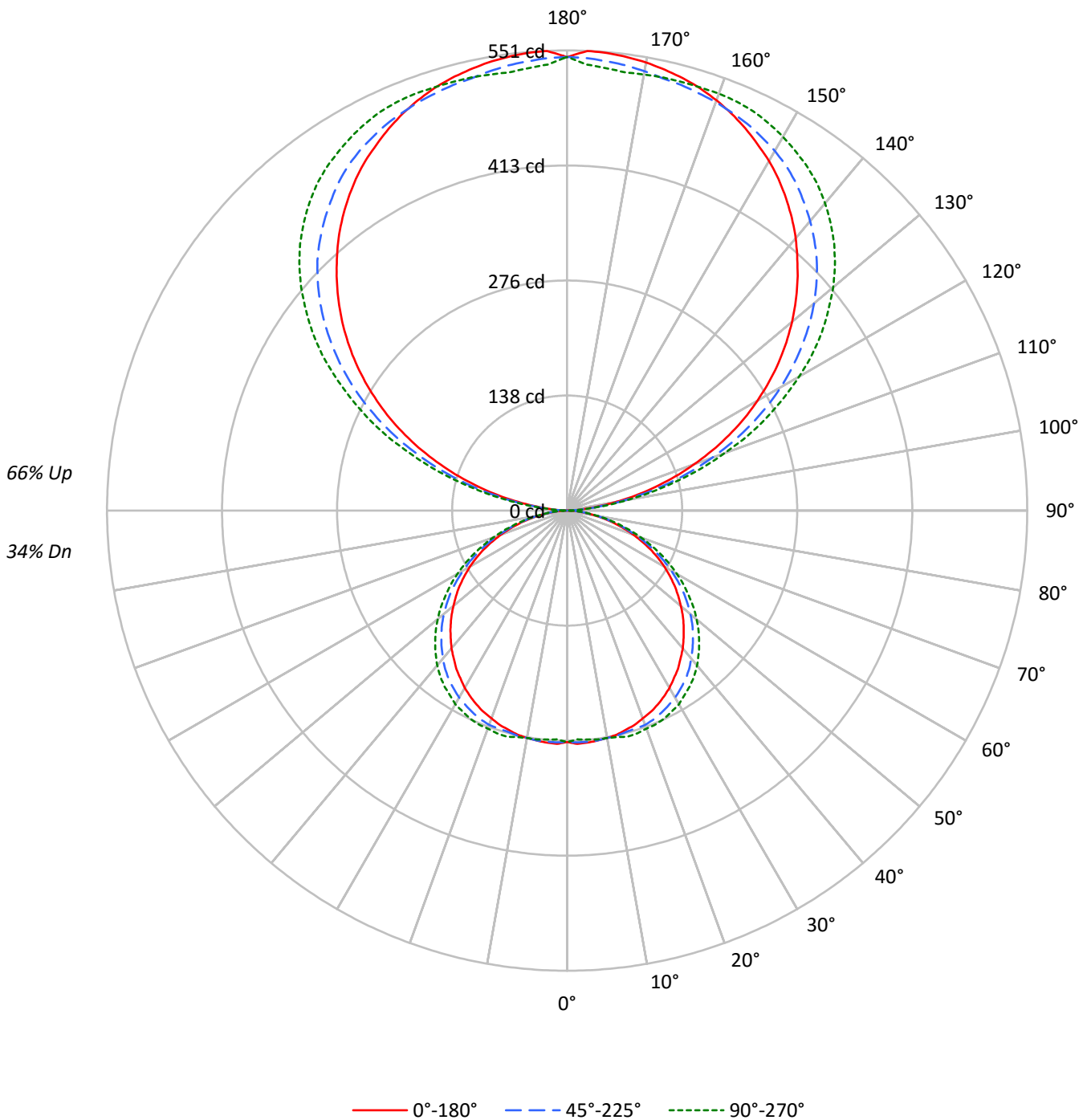
Input Watts (W): 20.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2237	2237	2237
5°	2260	2251	2231
10°	2267	2267	2267
15°	2271	2292	2342
20°	2274	2345	2387
25°	2284	2379	2448
30°	2285	2412	2495
35°	2280	2432	2527
40°	2270	2438	2550
45°	2255	2431	2553
50°	2233	2420	2539
55°	2210	2387	2502
60°	2168	2325	2449
65°	2101	2237	2365
70°	1980	2108	2216
75°	1818	1931	2021
80°	1581	1688	1748
85°	1260	1315	1380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	1.0
10°-20°	77.8	2.9
20°-30°	122.5	4.6
30°-40°	153.0	5.8
40°-50°	163.1	6.2
50°-60°	150.4	5.7
60°-70°	115.5	4.4
70°-80°	65.5	2.5
80°-90°	17.3	0.7
90°-100°	27.8	1.0
100°-110°	130.8	4.9
110°-120°	237.0	8.9
120°-130°	304.4	11.5
130°-140°	323.9	12.2
140°-150°	298.0	11.2
150°-160°	236.0	8.9
160°-170°	149.8	5.7
170°-180°	51.4	1.9
0°-30°	226.7	8.6
0°-40°	379.7	14.3
0°-60°	693.2	26.2
0°-90°	891.4	33.6
90°-120°	395.6	14.9
90°-150°	1321.9	49.9
90°-180°	1759.0	66.4
0°-180°	2650.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	277	277	277	277	277	
5°	279	276	278	277	275	27
15°	272	271	274	279	280	77
25°	256	257	267	272	275	118
35°	231	236	247	253	256	145
45°	198	203	213	220	224	152
55°	157	162	170	175	178	140
65°	110	112	117	121	124	109
75°	58	59	62	64	65	62
85°	14	14	14	15	15	15
90°	1	1	1	0	0	2
95°	18	19	21	22	23	24
105°	110	114	125	133	136	116
115°	214	223	242	257	264	211
125°	309	319	343	362	372	276
135°	390	396	423	441	452	301
145°	457	455	478	493	502	286
155°	505	498	511	522	528	233
165°	536	528	528	529	531	151
175°	550	544	540	536	532	52
180°	543	543	543	543	543	



TEST NUMBER: P275087

CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	277.1	277.1	277.1	277.1	277.1
2.5°	279.6	277.1	277.8	277.8	274.2
5°	278.9	276.5	277.8	277.1	275.3
7.5°	277.8	276.0	277.8	277.8	276.5
10°	276.5	274.8	276.5	277.1	276.5
12.5°	274.8	273.0	276.0	277.1	277.8
15°	271.7	270.6	274.2	278.9	280.2
17.5°	268.9	268.3	273.6	278.9	279.6
20°	264.7	264.7	273.0	277.1	277.8
22.5°	261.2	261.2	270.6	274.8	277.1
25°	256.4	256.9	267.1	272.5	274.8
27.5°	251.0	252.8	262.9	268.9	271.2
30°	245.1	248.0	258.7	264.7	267.7
32.5°	238.0	242.0	252.8	258.7	261.7
35°	231.3	235.6	246.8	252.8	256.4
37.5°	223.1	228.4	239.7	245.6	249.8
40°	215.4	220.8	231.3	238.0	242.0
42.5°	206.4	212.3	222.5	229.0	233.1
45°	197.5	202.8	212.9	219.5	223.6
47.5°	188.0	193.4	203.5	209.4	213.5
50°	177.8	183.7	192.7	198.7	202.2
52.5°	167.7	173.1	181.4	187.4	190.9
55°	157.0	161.7	169.6	175.0	177.8
57.5°	145.7	150.4	157.0	162.4	165.3
60°	134.3	137.9	144.0	149.3	151.7
62.5°	122.5	125.6	130.8	135.1	137.9
65°	110.0	112.4	117.1	121.3	123.8
67.5°	97.0	99.3	103.5	107.0	108.8
70°	83.9	86.2	89.3	92.1	93.9
72.5°	71.3	72.6	75.5	78.0	79.1
75°	58.3	59.4	61.9	64.2	64.8
77.5°	46.4	47.0	48.9	50.0	50.6
80°	34.0	35.1	36.3	36.8	37.6
82.5°	23.2	23.8	24.3	25.0	25.5
85°	13.6	14.2	14.2	14.9	14.9
87.5°	5.9	6.6	6.6	6.6	6.6
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.9	5.9	6.6	7.1	7.7
95°	18.4	19.0	20.8	22.0	23.2
97.5°	36.8	38.1	41.6	44.6	45.8
100°	59.4	61.9	67.3	71.3	73.2
102.5°	83.9	87.4	95.2	101.1	104.1
105°	109.5	114.2	124.9	132.6	136.2
107.5°	135.6	141.6	155.3	164.2	168.9
110°	161.7	169.6	184.4	196.2	199.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	188.0	196.2	214.1	227.2	233.8
115°	214.1	223.1	242.0	256.9	264.1
117.5°	239.2	248.6	269.4	286.1	292.6
120°	262.9	273.0	295.6	312.9	320.6
122.5°	286.7	296.3	320.0	338.4	348.0
125°	309.3	318.8	343.2	362.2	372.3
127.5°	330.8	339.5	365.3	384.8	394.3
130°	351.5	359.9	386.0	405.1	415.8
132.5°	371.2	378.9	405.1	423.5	434.9
135°	390.2	396.1	422.9	441.3	452.1
137.5°	408.0	412.2	438.4	456.9	467.0
140°	425.9	427.1	452.6	469.9	480.5
142.5°	441.9	441.3	465.7	482.3	492.5
145°	456.9	455.1	478.2	493.0	502.0
147.5°	471.0	467.0	488.9	501.5	509.7
150°	483.5	478.2	497.3	509.7	516.8
152.5°	494.2	488.3	504.3	515.7	522.8
155°	505.0	497.9	510.9	521.6	527.6
157.5°	514.5	505.5	515.7	525.2	530.1
160°	522.8	514.0	520.4	527.6	531.2
162.5°	530.1	521.1	524.0	528.1	531.2
165°	536.0	527.6	527.6	529.3	531.2
167.5°	540.6	533.5	530.1	530.6	531.2
170°	544.9	537.7	534.1	530.6	530.1
172.5°	547.8	540.6	537.7	532.9	529.3
175°	550.1	543.7	540.0	536.0	531.7
177.5°	550.8	545.4	542.4	538.3	534.7
180°	543.1	543.1	543.1	543.1	543.1

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