

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: P275103

Luminaire Tested: **J3-FL-40L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275103  
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-40L82765-1D-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: 3530.7 lumens  
Efficiency: N/A  
Efficacy: 126.5 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

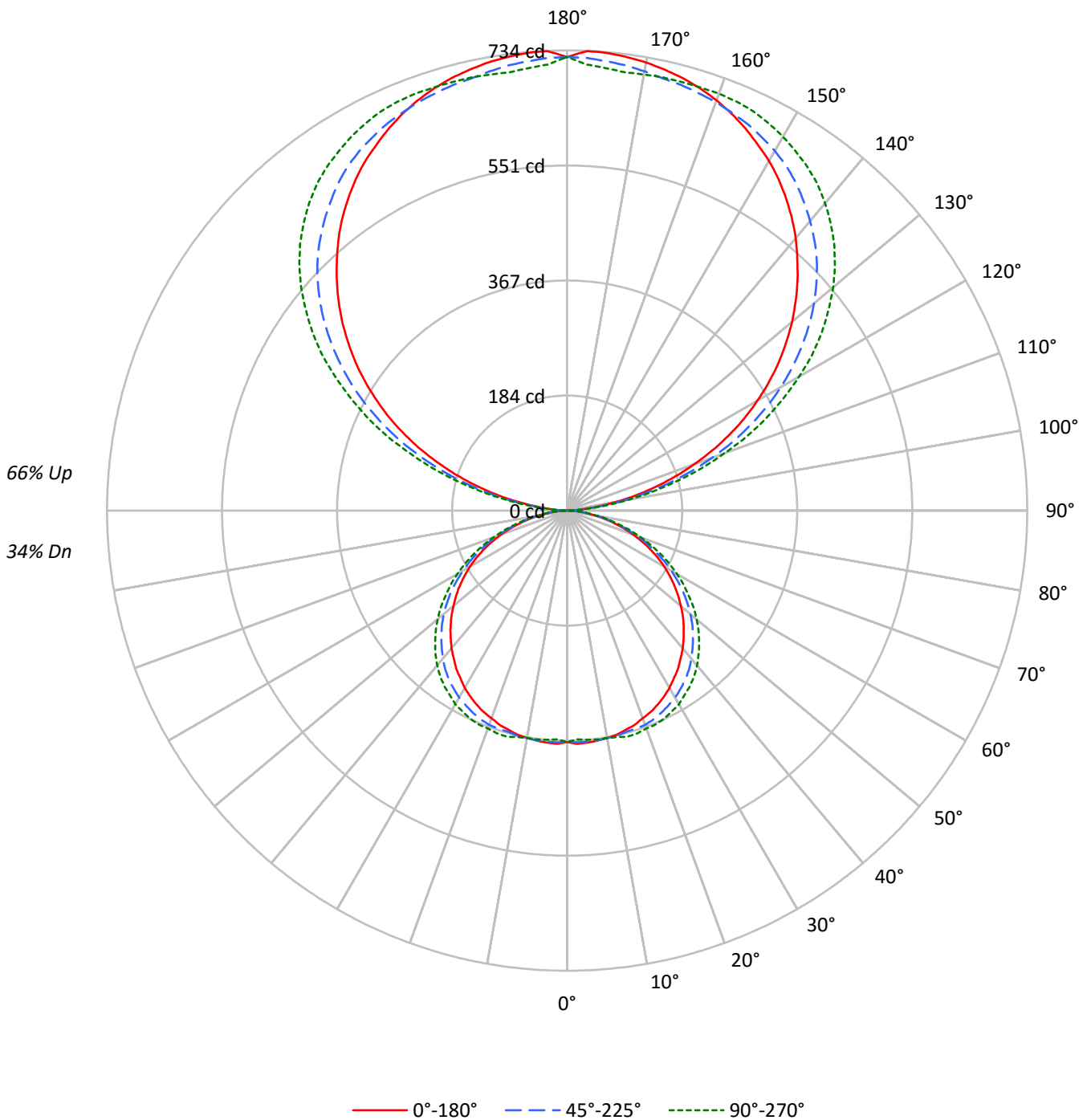
Input Watts (W): 27.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2981	2981	2981
5°	3011	2998	2972
10°	3019	3019	3019
15°	3025	3052	3120
20°	3028	3125	3179
25°	3043	3169	3261
30°	3044	3213	3324
35°	3037	3239	3367
40°	3023	3248	3398
45°	3004	3238	3401
50°	2975	3224	3383
55°	2943	3179	3334
60°	2888	3097	3263
65°	2798	2980	3150
70°	2637	2806	2953
75°	2420	2570	2695
80°	2101	2245	2325
85°	1686	1751	1843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.2	1.0
10°-20°	103.6	2.9
20°-30°	163.1	4.6
30°-40°	203.8	5.8
40°-50°	217.3	6.2
50°-60°	200.4	5.7
60°-70°	153.9	4.4
70°-80°	87.2	2.5
80°-90°	23.0	0.7
90°-100°	37.0	1.0
100°-110°	174.2	4.9
110°-120°	315.7	8.9
120°-130°	405.5	11.5
130°-140°	431.4	12.2
140°-150°	397.0	11.2
150°-160°	314.3	8.9
160°-170°	199.6	5.7
170°-180°	68.5	1.9
0°-30°	302.0	8.6
0°-40°	505.8	14.3
0°-60°	923.4	26.2
0°-90°	1187.5	33.6
90°-120°	526.9	14.9
90°-150°	1760.9	49.9
90°-180°	2343.0	66.4
0°-180°	3530.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	369	369	369	369	369	
5°	372	368	370	369	367	35
15°	362	360	365	372	373	102
25°	342	342	356	363	366	157
35°	308	314	329	337	342	193
45°	263	270	284	292	298	203
55°	209	215	226	233	237	187
65°	146	150	156	162	165	145
75°	78	79	82	86	86	83
85°	18	19	19	20	20	21
90°	1	1	1	0	0	2
95°	24	25	28	29	31	32
105°	146	152	166	177	182	154
115°	285	297	322	342	352	281
125°	412	425	457	482	496	368
135°	520	528	563	588	602	401
145°	609	606	637	657	669	381
155°	673	663	681	695	703	310
165°	714	703	703	705	708	202
175°	733	724	719	714	708	70
180°	723	723	723	723	723	



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CATALOG NUMBER: J3-FL-40L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	369.2	369.2	369.2	369.2	369.2
2.5°	372.4	369.2	370.0	370.0	365.2
5°	371.6	368.3	370.0	369.2	366.8
7.5°	370.0	367.6	370.0	370.0	368.3
10°	368.3	366.1	368.3	369.2	368.3
12.5°	366.1	363.7	367.6	369.2	370.0
15°	362.0	360.4	365.2	371.6	373.3
17.5°	358.2	357.3	364.5	371.6	372.4
20°	352.5	352.5	363.7	369.2	370.0
22.5°	347.9	347.9	360.4	366.1	369.2
25°	341.6	342.3	355.8	363.0	366.1
27.5°	334.4	336.8	350.1	358.2	361.3
30°	326.5	330.4	344.7	352.5	356.6
32.5°	317.0	322.4	336.8	344.7	348.6
35°	308.2	313.8	328.7	336.8	341.6
37.5°	297.2	304.2	319.3	327.2	332.8
40°	286.9	294.1	308.2	317.0	322.4
42.5°	274.9	282.8	296.3	305.1	310.6
45°	263.1	270.1	283.6	292.4	297.9
47.5°	250.4	257.6	271.1	279.0	284.3
50°	236.9	244.8	256.7	264.6	269.4
52.5°	223.3	230.5	241.7	249.7	254.3
55°	209.1	215.4	225.9	233.1	236.9
57.5°	194.0	200.4	209.1	216.3	220.2
60°	178.9	183.7	191.8	198.8	202.1
62.5°	163.2	167.3	174.3	179.9	183.7
65°	146.5	149.8	156.0	161.6	164.9
67.5°	129.2	132.3	137.8	142.6	145.0
70°	111.7	114.8	118.9	122.7	125.1
72.5°	95.0	96.7	100.6	103.8	105.4
75°	77.6	79.2	82.4	85.5	86.4
77.5°	61.9	62.6	65.1	66.6	67.4
80°	45.2	46.8	48.3	49.0	50.0
82.5°	30.9	31.7	32.4	33.3	34.0
85°	18.2	18.9	18.9	19.9	19.9
87.5°	7.9	8.7	8.7	8.7	8.7
90°	0.8	0.8	0.8	0.0	0.0
92.5°	7.9	7.9	8.7	9.4	10.3
95°	24.5	25.4	27.8	29.3	30.9
97.5°	49.0	50.7	55.4	59.5	61.0
100°	79.2	82.4	89.6	95.0	97.5
102.5°	111.7	116.4	126.8	134.7	138.7
105°	145.8	152.2	166.4	176.7	181.5
107.5°	180.6	188.7	206.8	218.7	225.0
110°	215.4	225.9	245.6	261.4	266.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	250.4	261.4	285.2	302.7	311.4
115°	285.2	297.2	322.4	342.3	351.8
117.5°	318.6	331.1	358.9	381.1	389.7
120°	350.1	363.7	393.8	416.8	427.1
122.5°	381.9	394.7	426.2	450.8	463.6
125°	412.0	424.7	457.2	482.5	496.0
127.5°	440.6	452.3	486.5	512.6	525.3
130°	468.2	479.4	514.2	539.7	553.9
132.5°	494.4	504.7	539.7	564.2	579.3
135°	519.8	527.7	563.3	587.9	602.2
137.5°	543.5	549.1	584.1	608.6	622.1
140°	567.3	569.0	602.9	625.9	640.1
142.5°	588.7	587.9	620.4	642.5	656.1
145°	608.6	606.2	637.0	656.8	668.7
147.5°	627.5	622.1	651.3	668.0	679.0
150°	644.1	637.0	662.4	679.0	688.5
152.5°	658.3	650.4	671.8	686.9	696.4
155°	672.7	663.2	680.6	694.8	702.8
157.5°	685.4	673.4	686.9	699.6	706.1
160°	696.4	684.7	693.3	702.8	707.6
162.5°	706.1	694.1	698.0	703.5	707.6
165°	714.0	702.8	702.8	705.1	707.6
167.5°	720.2	710.7	706.1	706.8	707.6
170°	725.8	716.2	711.4	706.8	706.1
172.5°	729.7	720.2	716.2	709.9	705.1
175°	732.8	724.3	719.3	714.0	708.3
177.5°	733.7	726.5	722.6	717.1	712.3
180°	723.4	723.4	723.4	723.4	723.4

(END OF REPORT)