

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: P275115

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275115  
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-40L92765-1D-UNV-W2A-W-4 (4500K)  
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 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3484.5 lumens  
Efficiency: N/A  
Efficacy: 122.7 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

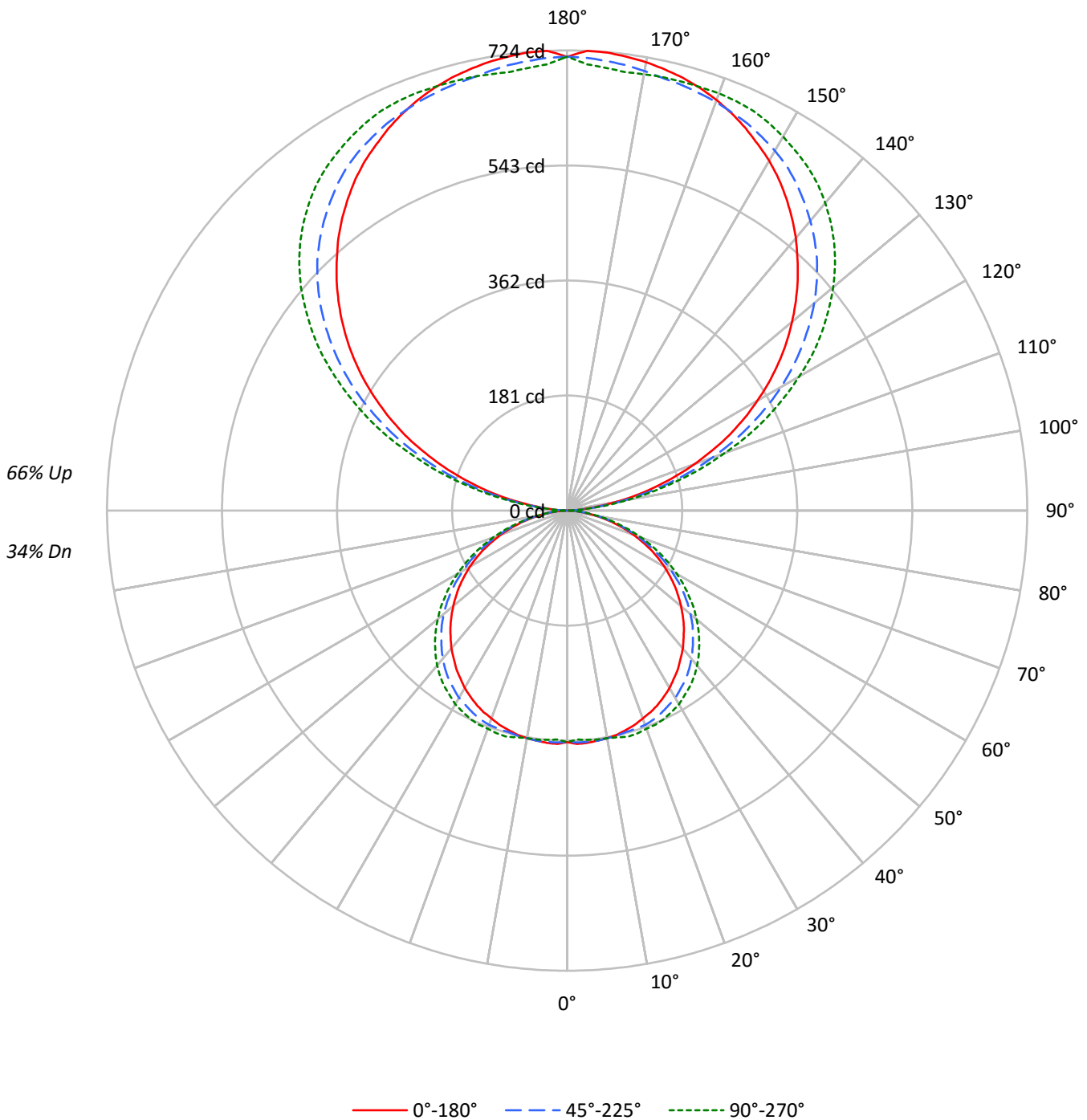
Input Watts (W): 28.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2941	2941	2941
5°	2972	2960	2934
10°	2980	2980	2980
15°	2986	3013	3079
20°	2989	3083	3137
25°	3003	3127	3218
30°	3003	3170	3281
35°	2997	3197	3322
40°	2983	3205	3353
45°	2964	3196	3357
50°	2936	3183	3340
55°	2905	3137	3291
60°	2851	3056	3219
65°	2762	2940	3108
70°	2603	2771	2915
75°	2389	2539	2658
80°	2073	2218	2297
85°	1658	1723	1815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.8	1.0
10°-20°	102.2	2.9
20°-30°	161.0	4.6
30°-40°	201.2	5.8
40°-50°	214.4	6.2
50°-60°	197.7	5.7
60°-70°	151.9	4.4
70°-80°	86.0	2.5
80°-90°	22.7	0.7
90°-100°	36.5	1.0
100°-110°	171.9	4.9
110°-120°	311.6	8.9
120°-130°	400.2	11.5
130°-140°	425.8	12.2
140°-150°	391.8	11.2
150°-160°	310.2	8.9
160°-170°	196.9	5.7
170°-180°	67.6	1.9
0°-30°	298.0	8.6
0°-40°	499.2	14.3
0°-60°	911.4	26.2
0°-90°	1171.9	33.6
90°-120°	520.0	14.9
90°-150°	1737.9	49.9
90°-180°	2313.0	66.4
0°-180°	3484.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	364	364	364	364	364	
5°	367	364	365	364	362	35
15°	357	356	360	367	368	101
25°	337	338	351	358	361	155
35°	304	310	324	332	337	190
45°	260	267	280	289	294	200
55°	206	213	223	230	234	184
65°	145	148	154	160	163	143
75°	77	78	81	84	85	81
85°	18	19	19	20	20	20
90°	1	1	1	0	0	2
95°	24	25	27	29	30	31
105°	144	150	164	174	179	152
115°	282	293	318	338	347	278
125°	407	419	451	476	490	363
135°	513	521	556	580	594	396
145°	601	598	629	648	660	376
155°	664	655	672	686	694	306
165°	705	694	694	696	698	199
175°	723	715	710	705	699	69
180°	714	714	714	714	714	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	364.3	364.3	364.3	364.3	364.3
2.5°	367.5	364.3	365.2	365.2	360.5
5°	366.7	363.5	365.2	364.3	362.0
7.5°	365.2	362.8	365.2	365.2	363.5
10°	363.5	361.3	363.5	364.3	363.5
12.5°	361.3	358.9	362.8	364.3	365.2
15°	357.3	355.7	360.5	366.7	368.4
17.5°	353.5	352.7	359.8	366.7	367.5
20°	347.9	347.9	358.9	364.3	365.2
22.5°	343.3	343.3	355.7	361.3	364.3
25°	337.1	337.8	351.1	358.2	361.3
27.5°	330.0	332.4	345.6	353.5	356.6
30°	322.2	326.1	340.1	347.9	352.0
32.5°	312.9	318.2	332.4	340.1	344.0
35°	304.1	309.7	324.4	332.4	337.1
37.5°	293.3	300.2	315.1	322.9	328.5
40°	283.1	290.2	304.1	312.9	318.2
42.5°	271.3	279.1	292.5	301.1	306.5
45°	259.6	266.6	279.9	288.6	294.0
47.5°	247.1	254.2	267.6	275.3	280.6
50°	233.8	241.6	253.4	261.2	265.9
52.5°	220.4	227.5	238.5	246.4	251.0
55°	206.4	212.6	222.9	230.0	233.8
57.5°	191.5	197.7	206.4	213.5	217.4
60°	176.6	181.3	189.3	196.2	199.4
62.5°	161.0	165.1	172.0	177.6	181.3
65°	144.6	147.8	153.9	159.5	162.7
67.5°	127.5	130.6	136.0	140.7	143.1
70°	110.3	113.3	117.4	121.1	123.5
72.5°	93.7	95.4	99.3	102.5	104.0
75°	76.6	78.2	81.4	84.4	85.2
77.5°	61.0	61.7	64.2	65.8	66.5
80°	44.6	46.2	47.7	48.4	49.4
82.5°	30.5	31.3	32.0	32.8	33.5
85°	17.9	18.6	18.6	19.6	19.6
87.5°	7.8	8.6	8.6	8.6	8.6
90°	0.8	0.8	0.8	0.0	0.0
92.5°	7.8	7.8	8.6	9.3	10.2
95°	24.2	25.0	27.4	28.9	30.5
97.5°	48.4	50.1	54.7	58.7	60.2
100°	78.2	81.4	88.4	93.7	96.2
102.5°	110.3	114.9	125.2	132.9	136.8
105°	143.9	150.2	164.2	174.4	179.1
107.5°	178.3	186.2	204.1	215.8	222.1
110°	212.6	222.9	242.4	258.0	262.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	247.1	258.0	281.5	298.7	307.3
115°	281.5	293.3	318.2	337.8	347.2
117.5°	314.4	326.8	354.2	376.2	384.6
120°	345.6	358.9	388.7	411.3	421.5
122.5°	376.9	389.5	420.7	444.9	457.5
125°	406.6	419.1	451.3	476.2	489.5
127.5°	434.9	446.4	480.2	505.9	518.4
130°	462.1	473.1	507.4	532.6	546.7
132.5°	488.0	498.1	532.6	556.8	571.7
135°	513.0	520.8	556.0	580.2	594.4
137.5°	536.4	541.9	576.4	600.6	614.0
140°	559.9	561.5	595.1	617.7	631.8
142.5°	581.0	580.2	612.3	634.1	647.5
145°	600.6	598.3	628.7	648.2	660.0
147.5°	619.2	614.0	642.8	659.3	670.1
150°	635.7	628.7	653.7	670.1	679.5
152.5°	649.7	641.9	663.1	677.9	687.3
155°	663.9	654.6	671.7	685.7	693.6
157.5°	676.4	664.6	677.9	690.5	696.8
160°	687.3	675.7	684.2	693.6	698.4
162.5°	696.8	685.0	688.9	694.3	698.4
165°	704.6	693.6	693.6	695.9	698.4
167.5°	710.8	701.4	696.8	697.5	698.4
170°	716.3	706.9	702.1	697.5	696.8
172.5°	720.2	710.8	706.9	700.6	695.9
175°	723.3	714.8	709.9	704.6	699.1
177.5°	724.1	717.0	713.1	707.7	703.0
180°	714.0	714.0	714.0	714.0	714.0

(END OF REPORT)