

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: P275125

Luminaire Tested: **J3-FL-50L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-50L82765-1D-UNV-W2A-W-4 (5700K)  
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 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5008.9 lumens  
Efficiency: N/A  
Efficacy: 137.2 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

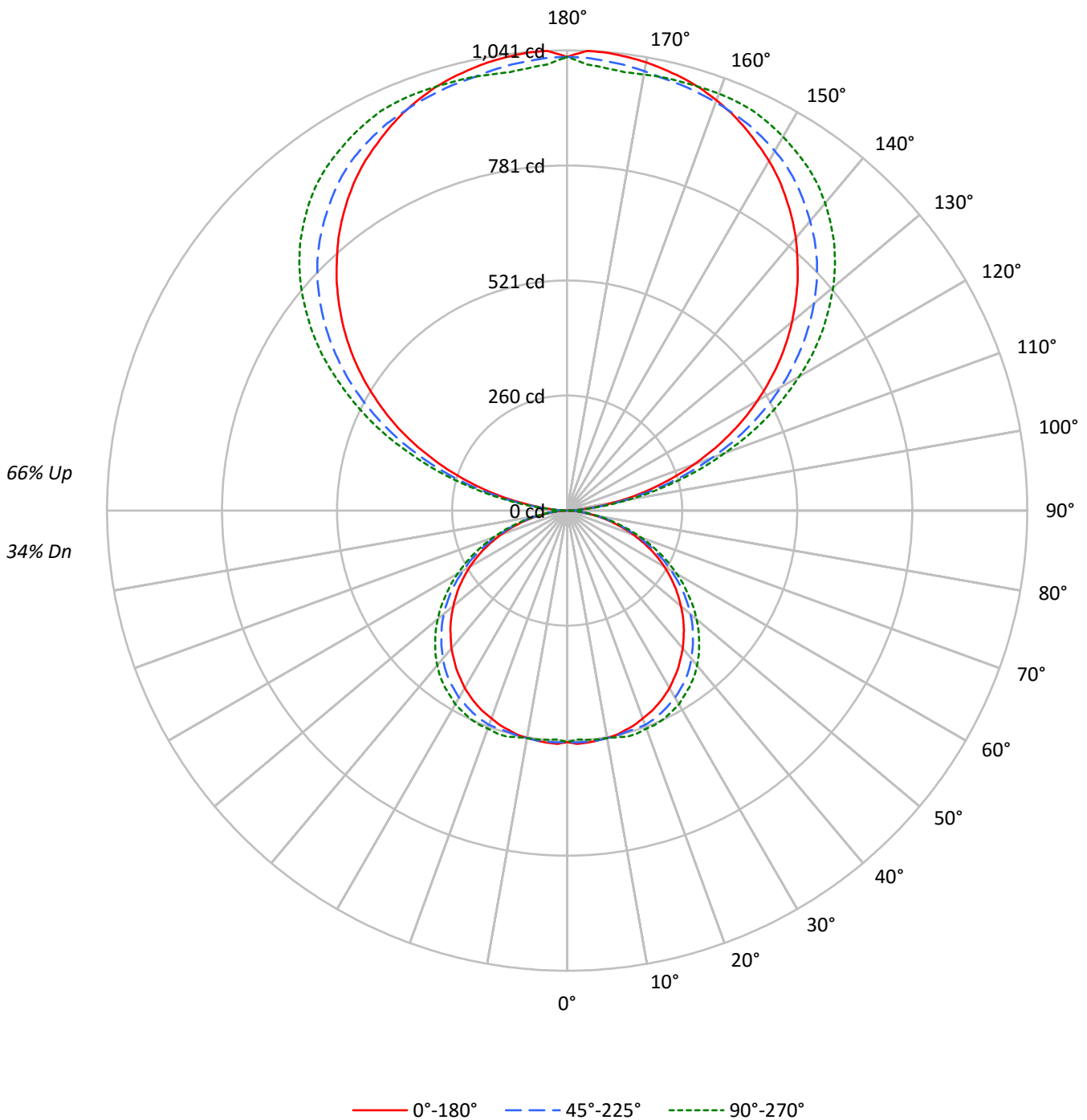
Input Watts (W): 36.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4228	4228	4228
5°	4272	4254	4216
10°	4283	4283	4283
15°	4292	4330	4425
20°	4296	4432	4509
25°	4316	4496	4626
30°	4318	4557	4716
35°	4309	4596	4775
40°	4289	4607	4820
45°	4261	4594	4825
50°	4220	4574	4800
55°	4175	4510	4729
60°	4099	4393	4629
65°	3971	4227	4468
70°	3741	3982	4190
75°	3434	3646	3821
80°	2985	3189	3301
85°	2390	2482	2612



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.0	1.0
10°-20°	146.9	2.9
20°-30°	231.4	4.6
30°-40°	289.2	5.8
40°-50°	308.3	6.2
50°-60°	284.2	5.7
60°-70°	218.3	4.4
70°-80°	123.7	2.5
80°-90°	32.6	0.7
90°-100°	52.5	1.0
100°-110°	247.1	4.9
110°-120°	447.9	8.9
120°-130°	575.3	11.5
130°-140°	612.0	12.2
140°-150°	563.2	11.2
150°-160°	445.9	8.9
160°-170°	283.1	5.7
170°-180°	97.1	1.9
0°-30°	428.3	8.6
0°-40°	717.5	14.3
0°-60°	1310.0	26.2
0°-90°	1684.6	33.6
90°-120°	747.5	14.9
90°-150°	2498.1	49.9
90°-180°	3324.0	66.4
0°-180°	5008.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	527	522	525	524	520	50
15°	514	511	518	527	530	145
25°	484	486	505	515	519	223
35°	437	445	466	478	484	273
45°	373	383	402	415	423	288
55°	297	306	320	331	336	265
65°	208	212	221	229	234	205
75°	110	112	117	121	122	117
85°	26	27	27	28	28	29
90°	1	1	1	0	0	3
95°	35	36	39	42	44	45
105°	207	216	236	251	258	219
115°	405	422	457	486	499	399
125°	584	602	649	684	704	522
135°	737	749	799	834	854	569
145°	863	860	904	932	949	540
155°	954	941	966	986	997	440
165°	1013	997	997	1000	1004	286
175°	1040	1028	1020	1013	1005	99
180°	1026	1026	1026	1026	1026	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	523.7	523.7	523.7	523.7	523.7
2.5°	528.3	523.7	524.9	524.9	518.1
5°	527.1	522.5	524.9	523.7	520.3
7.5°	524.9	521.5	524.9	524.9	522.5
10°	522.5	519.3	522.5	523.7	522.5
12.5°	519.3	515.9	521.5	523.7	524.9
15°	513.5	511.3	518.1	527.1	529.5
17.5°	508.1	506.9	517.1	527.1	528.3
20°	500.1	500.1	515.9	523.7	524.9
22.5°	493.5	493.5	511.3	519.3	523.7
25°	484.5	485.5	504.7	514.9	519.3
27.5°	474.4	477.8	496.7	508.1	512.5
30°	463.2	468.8	488.9	500.1	505.9
32.5°	449.8	457.4	477.8	488.9	494.5
35°	437.2	445.2	466.4	477.8	484.5
37.5°	421.6	431.6	453.0	464.2	472.2
40°	407.0	417.2	437.2	449.8	457.4
42.5°	390.0	401.2	420.4	432.8	440.6
45°	373.2	383.2	402.4	414.8	422.6
47.5°	355.2	365.4	384.6	395.8	403.4
50°	336.0	347.2	364.2	375.4	382.2
52.5°	316.8	327.0	342.8	354.2	360.8
55°	296.6	305.6	320.4	330.6	336.0
57.5°	275.3	284.3	296.6	306.8	312.4
60°	253.9	260.7	272.1	282.1	286.7
62.5°	231.5	237.3	247.3	255.3	260.7
65°	207.9	212.5	221.3	229.3	233.9
67.5°	183.3	187.7	195.5	202.3	205.7
70°	158.5	162.9	168.7	174.1	177.5
72.5°	134.7	137.1	142.7	147.3	149.5
75°	110.1	112.3	116.9	121.3	122.5
77.5°	87.8	88.8	92.4	94.6	95.6
80°	64.2	66.4	68.6	69.6	71.0
82.5°	43.8	45.0	46.0	47.2	48.2
85°	25.8	26.8	26.8	28.2	28.2
87.5°	11.2	12.4	12.4	12.4	12.4
90°	1.2	1.2	1.2	0.0	0.0
92.5°	11.2	11.2	12.4	13.4	14.6
95°	34.8	36.0	39.4	41.6	43.8
97.5°	69.6	72.0	78.6	84.4	86.6
100°	112.3	116.9	127.1	134.7	138.3
102.5°	158.5	165.1	179.9	191.1	196.7
105°	206.9	215.9	236.1	250.7	257.5
107.5°	256.3	267.7	293.4	310.2	319.2
110°	305.6	320.4	348.4	370.8	377.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	355.2	370.8	404.6	429.4	441.8
115°	404.6	421.6	457.4	485.5	499.1
117.5°	452.0	469.8	509.1	540.7	552.9
120°	496.7	515.9	558.7	591.3	605.9
122.5°	541.7	559.9	604.7	639.5	657.7
125°	584.5	602.5	648.7	684.4	703.6
127.5°	625.1	641.7	690.2	727.2	745.2
130°	664.3	680.0	729.4	765.6	785.8
132.5°	701.4	716.0	765.6	800.4	821.8
135°	737.4	748.6	799.2	834.0	854.4
137.5°	771.0	779.0	828.6	863.4	882.5
140°	804.8	807.2	855.4	887.9	908.1
142.5°	835.2	834.0	880.1	911.5	930.7
145°	863.4	860.0	903.7	931.7	948.7
147.5°	890.1	882.5	923.9	947.7	963.3
150°	913.7	903.7	939.7	963.3	976.7
152.5°	933.9	922.7	953.1	974.5	987.9
155°	954.3	940.9	965.5	985.7	997.1
157.5°	972.3	955.3	974.5	992.5	1001.7
160°	987.9	971.3	983.5	997.1	1003.9
162.5°	1001.7	984.7	990.3	998.1	1003.9
165°	1012.9	997.1	997.1	1000.3	1003.9
167.5°	1021.7	1008.3	1001.7	1002.7	1003.9
170°	1029.7	1016.1	1009.3	1002.7	1001.7
172.5°	1035.3	1021.7	1016.1	1007.1	1000.3
175°	1039.7	1027.5	1020.5	1012.9	1004.9
177.5°	1040.9	1030.7	1025.1	1017.3	1010.5
180°	1026.3	1026.3	1026.3	1026.3	1026.3

(END OF REPORT)