

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: P275132

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275132  
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-50L92765-1D-UNV-W2A-W-4 (5000K)  
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 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4437.4 lumens  
Efficiency: N/A  
Efficacy: 122.2 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

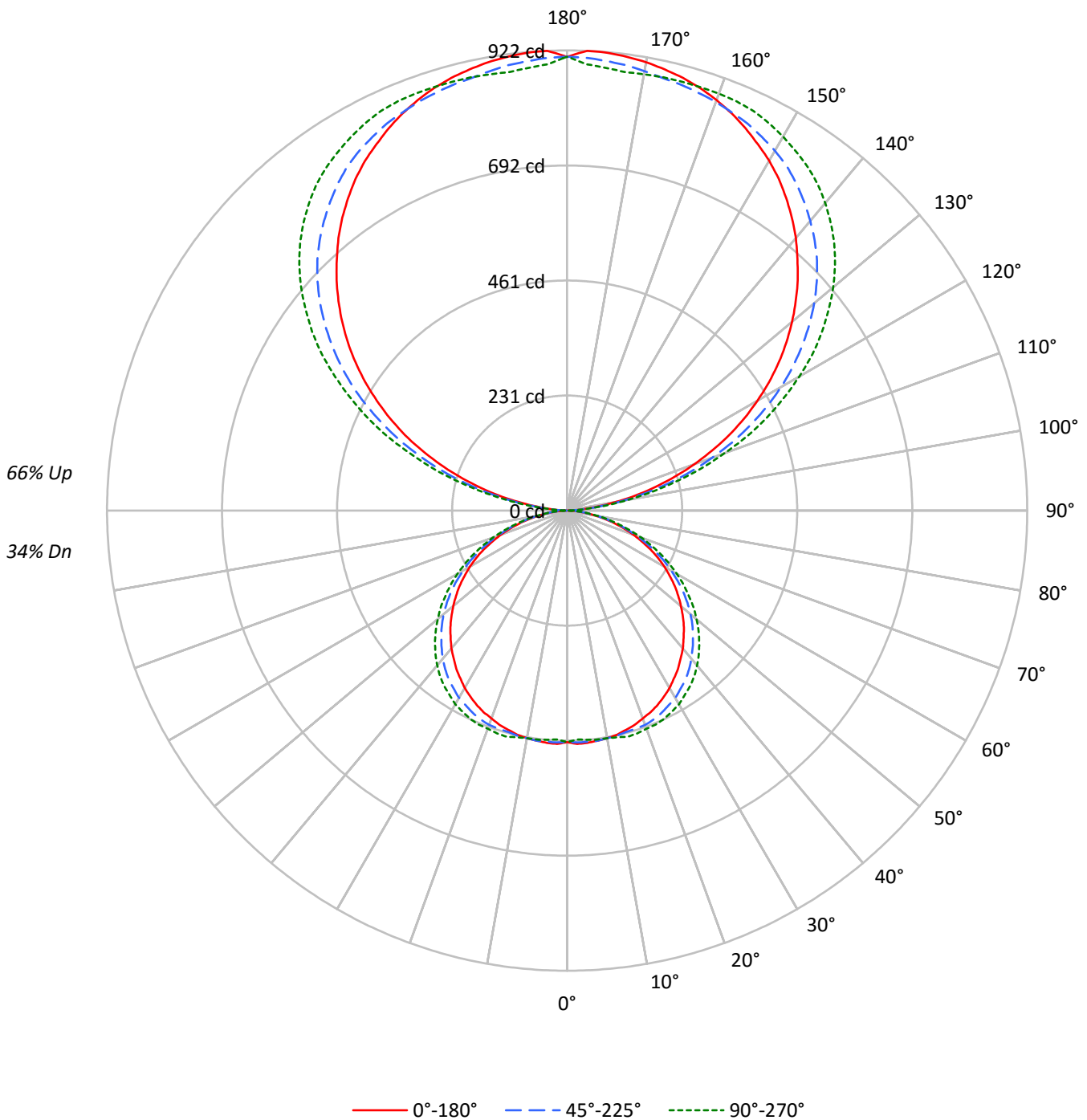
Input Watts (W): 36.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3746	3746	3746
5°	3784	3768	3736
10°	3795	3795	3795
15°	3802	3836	3921
20°	3807	3927	3995
25°	3824	3983	4098
30°	3825	4038	4178
35°	3817	4071	4231
40°	3800	4082	4270
45°	3774	4070	4274
50°	3739	4053	4253
55°	3699	3996	4190
60°	3631	3891	4099
65°	3519	3744	3958
70°	3314	3529	3713
75°	3044	3231	3387
80°	2641	2822	2924
85°	2112	2195	2316



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.3	1.0
10°-20°	130.2	2.9
20°-30°	205.0	4.6
30°-40°	256.2	5.8
40°-50°	273.1	6.2
50°-60°	251.8	5.7
60°-70°	193.4	4.4
70°-80°	109.6	2.5
80°-90°	28.9	0.7
90°-100°	46.5	1.0
100°-110°	218.9	4.9
110°-120°	396.8	8.9
120°-130°	509.7	11.5
130°-140°	542.2	12.2
140°-150°	498.9	11.2
150°-160°	395.1	8.9
160°-170°	250.8	5.7
170°-180°	86.0	1.9
0°-30°	379.5	8.6
0°-40°	635.7	14.3
0°-60°	1160.6	26.2
0°-90°	1492.4	33.6
90°-120°	662.3	14.9
90°-150°	2213.1	49.9
90°-180°	2945.0	66.4
0°-180°	4437.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	464	464	464	464	464	
5°	467	463	465	464	461	44
15°	455	453	459	467	469	129
25°	429	430	447	456	460	198
35°	387	394	413	423	429	242
45°	331	340	356	368	374	255
55°	263	271	284	293	298	235
65°	184	188	196	203	207	182
75°	98	100	104	108	109	104
85°	23	24	24	25	25	26
90°	1	1	1	0	0	3
95°	31	32	35	37	39	40
105°	183	191	209	222	228	194
115°	358	374	405	430	442	354
125°	518	534	575	606	623	462
135°	653	663	708	739	757	504
145°	765	762	801	825	840	479
155°	845	834	855	873	883	390
165°	897	883	883	886	889	253
175°	921	910	904	897	890	88
180°	909	909	909	909	909	



TEST NUMBER: P275132

CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	464.0	464.0	464.0	464.0	464.0
2.5°	468.0	464.0	465.0	465.0	459.0
5°	467.0	462.9	465.0	464.0	461.0
7.5°	465.0	462.0	465.0	465.0	462.9
10°	462.9	460.1	462.9	464.0	462.9
12.5°	460.1	457.1	462.0	464.0	465.0
15°	454.9	453.0	459.0	467.0	469.1
17.5°	450.2	449.1	458.1	467.0	468.0
20°	443.1	443.1	457.1	464.0	465.0
22.5°	437.2	437.2	453.0	460.1	464.0
25°	429.3	430.2	447.2	456.2	460.1
27.5°	420.2	423.2	440.1	450.2	454.1
30°	410.3	415.3	433.2	443.1	448.2
32.5°	398.5	405.2	423.2	433.2	438.1
35°	387.3	394.4	413.1	423.2	429.3
37.5°	373.5	382.3	401.3	411.2	418.3
40°	360.6	369.6	387.3	398.5	405.2
42.5°	345.5	355.4	372.4	383.4	390.3
45°	330.6	339.5	356.5	367.5	374.4
47.5°	314.7	323.7	340.7	350.6	357.4
50°	297.7	307.6	322.7	332.6	338.6
52.5°	280.7	289.7	303.7	313.8	319.6
55°	262.8	270.8	283.9	292.9	297.7
57.5°	243.9	251.8	262.8	271.8	276.8
60°	224.9	230.9	241.0	249.9	253.9
62.5°	205.1	210.2	219.1	226.1	230.9
65°	184.2	188.2	196.0	203.1	207.2
67.5°	162.4	166.3	173.2	179.2	182.2
70°	140.4	144.3	149.5	154.2	157.3
72.5°	119.4	121.5	126.4	130.5	132.5
75°	97.6	99.5	103.6	107.5	108.6
77.5°	77.7	78.6	81.8	83.8	84.6
80°	56.8	58.8	60.7	61.6	62.9
82.5°	38.8	39.8	40.7	41.8	42.7
85°	22.8	23.7	23.7	25.0	25.0
87.5°	9.9	11.0	11.0	11.0	11.0
90°	1.1	1.1	1.1	0.0	0.0
92.5°	9.9	9.9	11.0	11.9	12.9
95°	30.8	31.9	34.9	36.8	38.8
97.5°	61.6	63.8	69.6	74.7	76.7
100°	99.5	103.6	112.6	119.4	122.5
102.5°	140.4	146.3	159.4	169.3	174.3
105°	183.3	191.3	209.1	222.1	228.1
107.5°	227.0	237.1	260.0	274.8	282.8
110°	270.8	283.9	308.7	328.5	334.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	314.7	328.5	358.4	380.4	391.4
115°	358.4	373.5	405.2	430.2	442.2
117.5°	400.4	416.2	451.0	479.0	489.8
120°	440.1	457.1	495.0	523.8	536.8
122.5°	479.9	496.0	535.7	566.5	582.6
125°	517.8	533.7	574.7	606.4	623.4
127.5°	553.8	568.5	611.5	644.3	660.2
130°	588.5	602.5	646.2	678.3	696.1
132.5°	621.4	634.3	678.3	709.1	728.0
135°	653.3	663.2	708.0	738.8	756.9
137.5°	683.0	690.1	734.0	764.8	781.8
140°	713.0	715.1	757.8	786.6	804.5
142.5°	739.9	738.8	779.7	807.5	824.5
145°	764.8	761.8	800.6	825.4	840.5
147.5°	788.6	781.8	818.5	839.6	853.4
150°	809.5	800.6	832.5	853.4	865.3
152.5°	827.4	817.4	844.4	863.3	875.2
155°	845.4	833.6	855.3	873.2	883.3
157.5°	861.4	846.3	863.3	879.2	887.4
160°	875.2	860.5	871.3	883.3	889.3
162.5°	887.4	872.3	877.3	884.2	889.3
165°	897.3	883.3	883.3	886.2	889.3
167.5°	905.1	893.2	887.4	888.3	889.3
170°	912.2	900.1	894.1	888.3	887.4
172.5°	917.1	905.1	900.1	892.2	886.2
175°	921.0	910.2	904.0	897.3	890.2
177.5°	922.1	913.1	908.1	901.2	895.2
180°	909.2	909.2	909.2	909.2	909.2

(END OF REPORT)