

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: P275148

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275148  
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-60L92765-1D-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: 5345.4 lumens  
Efficiency: N/A  
Efficacy: 118.5 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

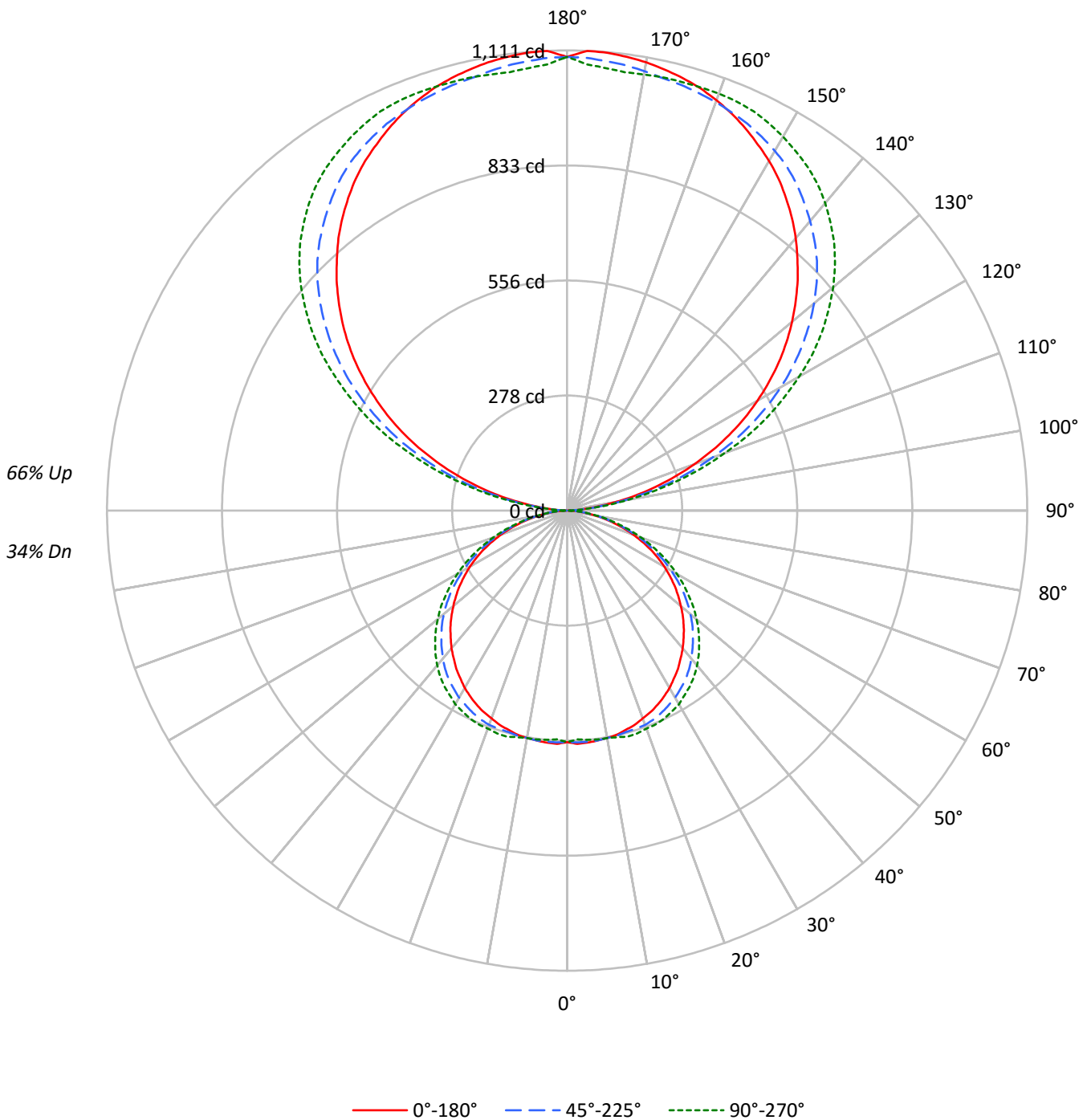
Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4512	4512	4512
5°	4558	4540	4500
10°	4571	4571	4571
15°	4580	4621	4723
20°	4585	4730	4813
25°	4606	4798	4937
30°	4608	4864	5033
35°	4597	4905	5096
40°	4577	4916	5144
45°	4547	4902	5149
50°	4504	4882	5123
55°	4456	4814	5047
60°	4374	4687	4939
65°	4239	4512	4768
70°	3994	4249	4471
75°	3665	3893	4080
80°	3185	3403	3519
85°	2547	2649	2788



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.3	1.0
10°-20°	156.8	2.9
20°-30°	247.0	4.6
30°-40°	308.6	5.8
40°-50°	329.0	6.2
50°-60°	303.4	5.7
60°-70°	233.0	4.4
70°-80°	132.0	2.5
80°-90°	34.8	0.7
90°-100°	56.0	1.0
100°-110°	263.7	4.9
110°-120°	478.0	8.9
120°-130°	614.0	11.5
130°-140°	653.2	12.2
140°-150°	601.0	11.2
150°-160°	475.9	8.9
160°-170°	302.1	5.7
170°-180°	103.6	1.9
0°-30°	457.1	8.6
0°-40°	765.8	14.3
0°-60°	1398.1	26.2
0°-90°	1797.8	33.6
90°-120°	797.7	14.9
90°-150°	2665.9	49.9
90°-180°	3548.0	66.4
0°-180°	5345.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	562	558	560	559	555	54
15°	548	546	553	562	565	155
25°	517	518	539	550	554	238
35°	466	475	498	510	517	291
45°	398	409	429	443	451	307
55°	317	326	342	353	359	283
65°	222	227	236	245	250	219
75°	118	120	125	130	131	125
85°	28	29	29	30	30	31
90°	1	1	1	0	0	4
95°	37	38	42	44	47	48
105°	221	230	252	268	275	234
115°	432	450	488	518	533	426
125°	624	643	692	730	751	557
135°	787	799	853	890	912	607
145°	921	918	964	994	1012	576
155°	1018	1004	1030	1052	1064	470
165°	1081	1064	1064	1068	1071	305
175°	1110	1096	1089	1081	1072	105
180°	1095	1095	1095	1095	1095	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	558.9	558.9	558.9	558.9	558.9
2.5°	563.8	558.9	560.2	560.2	552.9
5°	562.5	557.6	560.2	558.9	555.3
7.5°	560.2	556.6	560.2	560.2	557.6
10°	557.6	554.2	557.6	558.9	557.6
12.5°	554.2	550.6	556.6	558.9	560.2
15°	548.0	545.7	552.9	562.5	565.1
17.5°	542.3	541.0	551.9	562.5	563.8
20°	533.7	533.7	550.6	558.9	560.2
22.5°	526.7	526.7	545.7	554.2	558.9
25°	517.1	518.2	538.7	549.5	554.2
27.5°	506.2	509.9	530.1	542.3	547.0
30°	494.3	500.3	521.8	533.7	539.9
32.5°	480.0	488.1	509.9	521.8	527.8
35°	466.5	475.1	497.7	509.9	517.1
37.5°	449.9	460.6	483.4	495.3	503.9
40°	434.3	445.2	466.5	480.0	488.1
42.5°	416.2	428.2	448.6	461.9	470.2
45°	398.3	409.0	429.4	442.7	451.0
47.5°	379.1	390.0	410.4	422.4	430.5
50°	358.6	370.6	388.7	400.6	407.9
52.5°	338.1	349.0	365.9	378.0	385.1
55°	316.6	326.2	342.0	352.8	358.6
57.5°	293.8	303.4	316.6	327.5	333.4
60°	270.9	278.2	290.3	301.0	305.9
62.5°	247.0	253.2	263.9	272.4	278.2
65°	221.9	226.8	236.2	244.7	249.6
67.5°	195.6	200.3	208.6	215.9	219.5
70°	169.2	173.9	180.0	185.8	189.4
72.5°	143.8	146.3	152.3	157.2	159.6
75°	117.5	119.9	124.8	129.5	130.8
77.5°	93.7	94.7	98.6	100.9	102.0
80°	68.5	70.8	73.2	74.2	75.7
82.5°	46.7	48.0	49.1	50.3	51.4
85°	27.5	28.6	28.6	30.1	30.1
87.5°	11.9	13.2	13.2	13.2	13.2
90°	1.3	1.3	1.3	0.0	0.0
92.5°	11.9	11.9	13.2	14.3	15.6
95°	37.1	38.4	42.0	44.4	46.7
97.5°	74.2	76.8	83.8	90.0	92.4
100°	119.9	124.8	135.7	143.8	147.6
102.5°	169.2	176.2	192.0	203.9	209.9
105°	220.8	230.4	251.9	267.5	274.8
107.5°	273.5	285.6	313.2	331.1	340.7
110°	326.2	342.0	371.8	395.7	403.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	379.1	395.7	431.8	458.2	471.5
115°	431.8	449.9	488.1	518.2	532.7
117.5°	482.3	501.3	543.3	577.1	590.1
120°	530.1	550.6	596.3	631.0	646.6
122.5°	578.1	597.5	645.3	682.4	701.9
125°	623.8	643.0	692.3	730.4	750.9
127.5°	667.1	684.8	736.6	776.1	795.3
130°	708.9	725.7	778.4	817.0	838.6
132.5°	748.6	764.1	817.0	854.2	877.0
135°	787.0	798.9	852.9	890.0	911.8
137.5°	822.8	831.3	884.2	921.4	941.8
140°	858.9	861.4	912.8	947.6	969.2
142.5°	891.3	890.0	939.3	972.8	993.3
145°	921.4	917.7	964.5	994.3	1012.5
147.5°	950.0	941.8	986.0	1011.4	1028.0
150°	975.1	964.5	1002.9	1028.0	1042.3
152.5°	996.7	984.7	1017.2	1040.0	1054.3
155°	1018.4	1004.1	1030.4	1051.9	1064.1
157.5°	1037.6	1019.5	1040.0	1059.2	1069.0
160°	1054.3	1036.6	1049.6	1064.1	1071.3
162.5°	1069.0	1050.9	1056.8	1065.1	1071.3
165°	1080.9	1064.1	1064.1	1067.5	1071.3
167.5°	1090.3	1076.0	1069.0	1070.1	1071.3
170°	1098.9	1084.3	1077.1	1070.1	1069.0
172.5°	1104.8	1090.3	1084.3	1074.7	1067.5
175°	1109.5	1096.5	1089.0	1080.9	1072.4
177.5°	1110.8	1099.9	1093.9	1085.6	1078.4
180°	1095.2	1095.2	1095.2	1095.2	1095.2

(END OF REPORT)