

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: P253540

Luminaire Tested: **J3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253540
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-60L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4915.9 lumens
Efficiency: N/A
Efficacy: 109.5 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

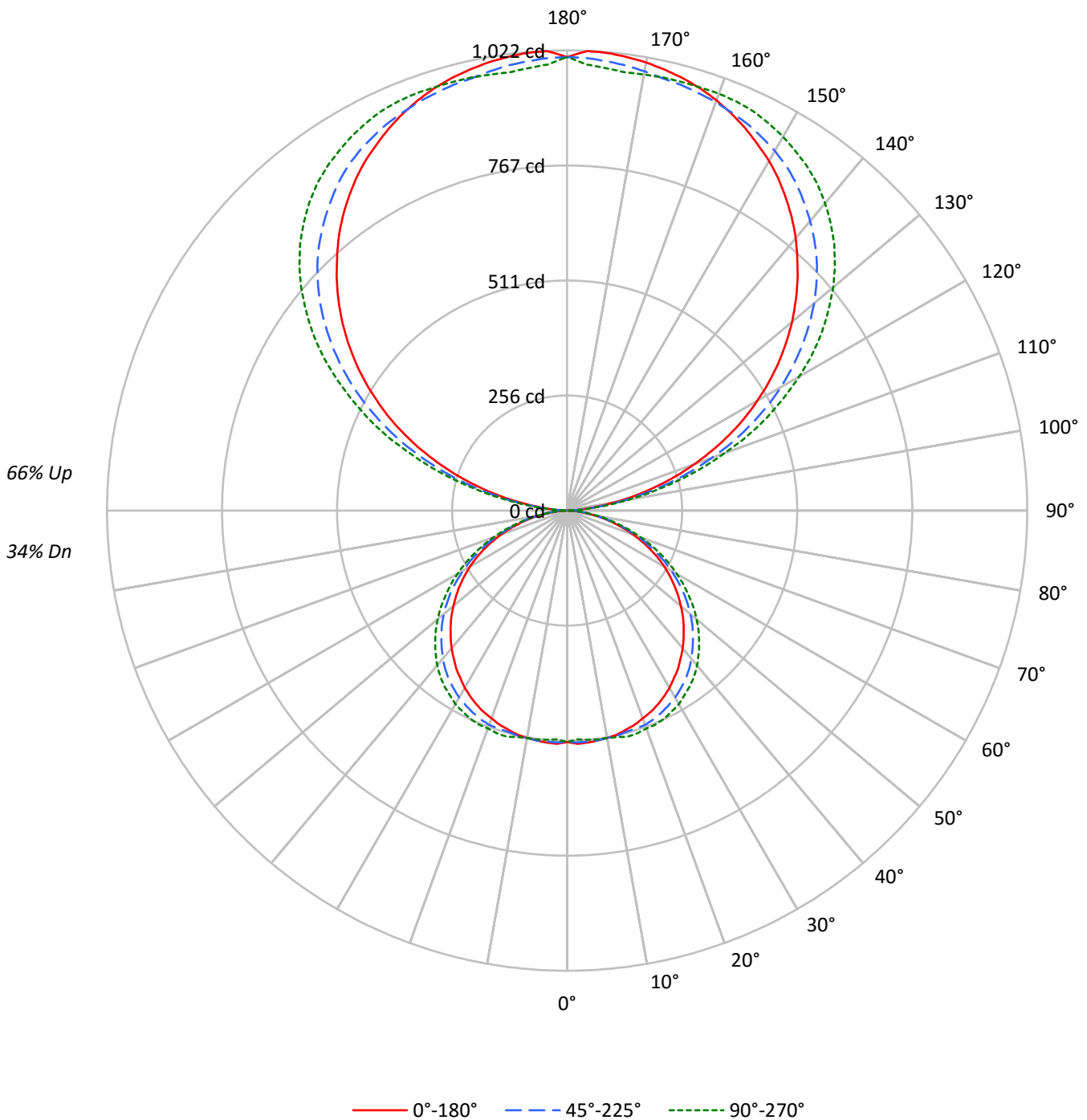
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P253540

CATALOG NUMBER: J3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P253540

CATALOG NUMBER: J3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

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°	4149	4149	4149
5°	4192	4175	4139
10°	4204	4204	4204
15°	4212	4250	4344
20°	4217	4351	4426
25°	4236	4413	4540
30°	4238	4474	4628
35°	4229	4511	4687
40°	4209	4522	4731
45°	4182	4509	4735
50°	4142	4489	4711
55°	4097	4427	4642
60°	4024	4311	4542
65°	3897	4149	4384
70°	3673	3909	4112
75°	3372	3581	3752
80°	2929	3129	3236
85°	2343	2436	2566



TEST NUMBER: P253540

CATALOG NUMBER: J3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.0
10°-20°	144.2	2.9
20°-30°	227.2	4.6
30°-40°	283.8	5.8
40°-50°	302.5	6.2
50°-60°	279.0	5.7
60°-70°	214.2	4.4
70°-80°	121.4	2.5
80°-90°	32.0	0.7
90°-100°	51.5	1.0
100°-110°	242.5	4.9
110°-120°	439.6	8.9
120°-130°	564.6	11.5
130°-140°	600.7	12.2
140°-150°	552.7	11.2
150°-160°	437.7	8.9
160°-170°	277.9	5.7
170°-180°	95.3	1.9
0°-30°	420.4	8.6
0°-40°	704.2	14.3
0°-60°	1285.7	26.2
0°-90°	1653.4	33.6
90°-120°	733.7	14.9
90°-150°	2451.7	49.9
90°-180°	3263.0	66.4
0°-180°	4915.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	514	514	514	514	514	
5°	517	513	515	514	511	49
15°	504	502	508	517	520	142
25°	476	476	495	505	510	219
35°	429	437	458	469	476	268
45°	366	376	395	407	415	282
55°	291	300	314	324	330	260
65°	204	208	217	225	230	201
75°	108	110	115	119	120	115
85°	25	26	26	28	28	29
90°	1	1	1	0	0	3
95°	34	35	39	41	43	44
105°	203	212	232	246	253	215
115°	397	414	449	476	490	392
125°	574	591	637	672	691	512
135°	724	735	784	818	838	558
145°	847	844	887	914	931	530
155°	937	923	948	967	979	432
165°	994	979	979	982	985	281
175°	1020	1008	1002	994	986	97
180°	1007	1007	1007	1007	1007	



TEST NUMBER: P253540

CATALOG NUMBER: J3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	514.0	514.0	514.0	514.0	514.0
2.5°	518.5	514.0	515.2	515.2	508.5
5°	517.3	512.8	515.2	514.0	510.7
7.5°	515.2	511.8	515.2	515.2	512.8
10°	512.8	509.7	512.8	514.0	512.8
12.5°	509.7	506.4	511.8	514.0	515.2
15°	504.0	501.8	508.5	517.3	519.7
17.5°	498.7	497.5	507.5	517.3	518.5
20°	490.9	490.9	506.4	514.0	515.2
22.5°	484.4	484.4	501.8	509.7	514.0
25°	475.6	476.5	495.4	505.4	509.7
27.5°	465.5	468.9	487.5	498.7	503.0
30°	454.6	460.1	479.9	490.9	496.5
32.5°	441.4	448.9	468.9	479.9	485.4
35°	429.1	436.9	457.7	468.9	475.6
37.5°	413.8	423.6	444.6	455.5	463.4
40°	399.4	409.4	429.1	441.4	448.9
42.5°	382.8	393.7	412.6	424.7	432.4
45°	366.3	376.1	394.9	407.1	414.7
47.5°	348.6	358.6	377.5	388.4	395.9
50°	329.8	340.8	357.4	368.4	375.1
52.5°	311.0	321.0	336.5	347.6	354.1
55°	291.1	300.0	314.5	324.5	329.8
57.5°	270.1	279.0	291.1	301.1	306.6
60°	249.2	255.8	267.0	276.8	281.3
62.5°	227.2	232.9	242.7	250.5	255.8
65°	204.0	208.5	217.2	225.0	229.5
67.5°	179.9	184.2	191.9	198.5	201.9
70°	155.6	159.9	165.6	170.9	174.2
72.5°	132.2	134.6	140.1	144.6	146.7
75°	108.1	110.3	114.8	119.1	120.3
77.5°	86.1	87.1	90.6	92.8	93.8
80°	63.0	65.1	67.3	68.3	69.6
82.5°	43.0	44.1	45.1	46.3	47.3
85°	25.3	26.3	26.3	27.7	27.7
87.5°	11.0	12.2	12.2	12.2	12.2
90°	1.2	1.2	1.2	0.0	0.0
92.5°	11.0	11.0	12.2	13.1	14.3
95°	34.1	35.3	38.6	40.8	43.0
97.5°	68.3	70.6	77.1	82.8	84.9
100°	110.3	114.8	124.8	132.2	135.8
102.5°	155.6	162.0	176.6	187.6	193.0
105°	203.1	211.9	231.7	246.0	252.7
107.5°	251.5	262.7	288.0	304.5	313.3
110°	300.0	314.5	341.9	363.9	370.6



TEST NUMBER: P253540

CATALOG NUMBER: J3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	348.6	363.9	397.1	421.4	433.6
115°	397.1	413.8	448.9	476.5	489.9
117.5°	443.6	461.0	499.7	530.7	542.6
120°	487.5	506.4	548.3	580.3	594.6
122.5°	531.7	549.5	593.5	627.6	645.4
125°	573.6	591.3	636.6	671.7	690.6
127.5°	613.5	629.8	677.4	713.7	731.4
130°	651.9	667.4	715.9	751.4	771.2
132.5°	688.4	702.7	751.4	785.5	806.5
135°	723.7	734.7	784.3	818.5	838.5
137.5°	756.7	764.5	813.2	847.3	866.2
140°	789.8	792.2	839.5	871.5	891.3
142.5°	819.7	818.5	863.8	894.6	913.4
145°	847.3	844.0	887.0	914.4	931.1
147.5°	873.6	866.2	906.8	930.1	945.4
150°	896.8	887.0	922.3	945.4	958.6
152.5°	916.6	905.6	935.4	956.4	969.5
155°	936.6	923.4	947.6	967.4	978.6
157.5°	954.2	937.6	956.4	974.1	983.1
160°	969.5	953.3	965.2	978.6	985.2
162.5°	983.1	966.4	971.9	979.5	985.2
165°	994.1	978.6	978.6	981.7	985.2
167.5°	1002.7	989.6	983.1	984.1	985.2
170°	1010.5	997.2	990.5	984.1	983.1
172.5°	1016.0	1002.7	997.2	988.4	981.7
175°	1020.4	1008.4	1001.5	994.1	986.2
177.5°	1021.5	1011.5	1006.0	998.4	991.7
180°	1007.2	1007.2	1007.2	1007.2	1007.2

(END OF REPORT)