

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: P275141

Luminaire Tested: **J3-FL-60L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275141
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-60L82765-1D-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: 6033.8 lumens
Efficiency: N/A
Efficacy: 133.2 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

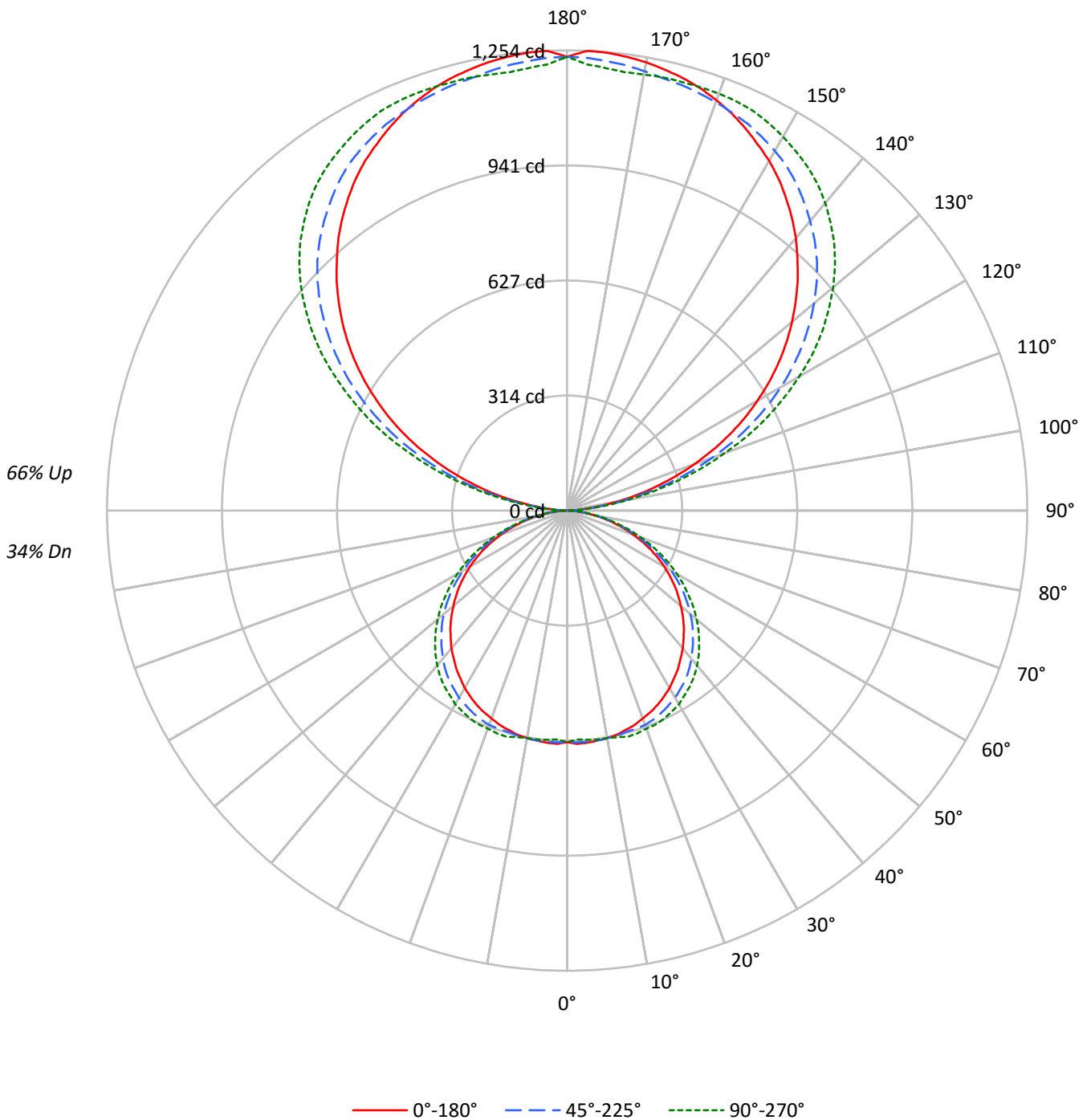
Input Watts (W): 45.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5093	5093	5093
5°	5146	5124	5079
10°	5160	5160	5160
15°	5170	5217	5331
20°	5176	5339	5432
25°	5199	5416	5573
30°	5201	5491	5682
35°	5190	5537	5753
40°	5167	5550	5807
45°	5133	5534	5812
50°	5084	5510	5782
55°	5030	5433	5697
60°	4937	5291	5575
65°	4783	5093	5381
70°	4508	4796	5046
75°	4139	4395	4604
80°	3594	3840	3975
85°	2881	2992	3149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.0
10°-20°	177.0	2.9
20°-30°	278.8	4.6
30°-40°	348.4	5.8
40°-50°	371.3	6.2
50°-60°	342.4	5.7
60°-70°	263.0	4.4
70°-80°	149.0	2.5
80°-90°	39.3	0.7
90°-100°	63.2	1.0
100°-110°	297.7	4.9
110°-120°	539.6	8.9
120°-130°	693.1	11.5
130°-140°	737.3	12.2
140°-150°	678.4	11.2
150°-160°	537.2	8.9
160°-170°	341.0	5.7
170°-180°	117.0	1.9
0°-30°	516.0	8.6
0°-40°	864.4	14.3
0°-60°	1578.1	26.2
0°-90°	2029.3	33.6
90°-120°	900.5	14.9
90°-150°	3009.3	49.9
90°-180°	4004.0	66.4
0°-180°	6033.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	631	631	631	631	631	
5°	635	630	632	631	627	60
15°	619	616	624	635	638	175
25°	584	585	608	620	626	269
35°	527	536	562	576	584	329
45°	450	462	485	500	509	347
55°	357	368	386	398	405	319
65°	250	256	267	276	282	247
75°	133	135	141	146	148	141
85°	31	32	32	34	34	35
90°	1	1	1	0	0	4
95°	42	43	47	50	53	54
105°	249	260	284	302	310	264
115°	487	508	551	585	601	481
125°	704	726	781	824	848	628
135°	888	902	963	1005	1029	685
145°	1040	1036	1089	1122	1143	651
155°	1150	1134	1163	1187	1201	530
165°	1220	1201	1201	1205	1209	345
175°	1252	1238	1229	1220	1210	119
180°	1236	1236	1236	1236	1236	



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CATALOG NUMBER: J3-FL-60L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	630.9	630.9	630.9	630.9	630.9
2.5°	636.4	630.9	632.3	632.3	624.2
5°	635.0	629.5	632.3	630.9	626.8
7.5°	632.3	628.3	632.3	632.3	629.5
10°	629.5	625.6	629.5	630.9	629.5
12.5°	625.6	621.5	628.3	630.9	632.3
15°	618.6	616.0	624.2	635.0	637.9
17.5°	612.1	610.7	623.0	635.0	636.4
20°	602.5	602.5	621.5	630.9	632.3
22.5°	594.5	594.5	616.0	625.6	630.9
25°	583.7	584.9	608.0	620.3	625.6
27.5°	571.4	575.5	598.4	612.1	617.4
30°	557.9	564.7	589.0	602.5	609.5
32.5°	541.8	551.0	575.5	589.0	595.7
35°	526.6	536.3	561.8	575.5	583.7
37.5°	507.9	519.9	545.7	559.1	568.8
40°	490.3	502.6	526.6	541.8	551.0
42.5°	469.8	483.3	506.4	521.3	530.7
45°	449.6	461.6	484.7	499.7	509.1
47.5°	427.9	440.2	463.3	476.8	485.9
50°	404.8	418.3	438.7	452.2	460.4
52.5°	381.7	394.0	413.0	426.7	434.6
55°	357.4	368.2	386.0	398.3	404.8
57.5°	331.6	342.4	357.4	369.6	376.4
60°	305.8	314.0	327.7	339.8	345.3
62.5°	278.8	285.8	297.9	307.5	314.0
65°	250.4	256.0	266.6	276.2	281.7
67.5°	220.8	226.1	235.5	243.7	247.8
70°	191.0	196.3	203.2	209.7	213.8
72.5°	162.3	165.2	171.9	177.5	180.1
75°	132.7	135.3	140.9	146.2	147.6
77.5°	105.7	106.9	111.3	113.9	115.1
80°	77.3	79.9	82.6	83.8	85.5
82.5°	52.7	54.2	55.4	56.8	58.0
85°	31.1	32.3	32.3	34.0	34.0
87.5°	13.5	14.9	14.9	14.9	14.9
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.5	13.5	14.9	16.1	17.6
95°	41.9	43.3	47.4	50.1	52.7
97.5°	83.8	86.7	94.6	101.6	104.3
100°	135.3	140.9	153.2	162.3	166.6
102.5°	191.0	198.9	216.7	230.2	237.0
105°	249.2	260.1	284.4	302.0	310.2
107.5°	308.7	322.4	353.5	373.7	384.6
110°	368.2	386.0	419.7	446.7	454.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	427.9	446.7	487.4	517.2	532.2
115°	487.4	507.9	551.0	584.9	601.3
117.5°	544.5	565.9	613.3	651.4	666.1
120°	598.4	621.5	673.0	712.3	729.9
122.5°	652.6	674.5	728.4	770.3	792.2
125°	704.1	725.8	781.4	824.5	847.6
127.5°	753.0	773.0	831.5	876.0	897.7
130°	800.2	819.2	878.7	922.3	946.6
132.5°	845.0	862.6	922.3	964.2	989.9
135°	888.3	901.8	962.7	1004.6	1029.2
137.5°	928.8	938.4	998.1	1040.0	1063.1
140°	969.5	972.4	1030.4	1069.6	1094.0
142.5°	1006.1	1004.6	1060.3	1098.1	1121.2
145°	1040.0	1035.9	1088.7	1122.4	1142.9
147.5°	1072.3	1063.1	1113.0	1141.6	1160.4
150°	1100.7	1088.7	1132.0	1160.4	1176.6
152.5°	1125.0	1111.5	1148.1	1173.9	1190.0
155°	1149.6	1133.5	1163.1	1187.4	1201.1
157.5°	1171.3	1150.8	1173.9	1195.6	1206.7
160°	1190.0	1170.1	1184.8	1201.1	1209.3
162.5°	1206.7	1186.2	1192.9	1202.3	1209.3
165°	1220.1	1201.1	1201.1	1205.0	1209.3
167.5°	1230.7	1214.6	1206.7	1207.9	1209.3
170°	1240.4	1224.0	1215.8	1207.9	1206.7
172.5°	1247.1	1230.7	1224.0	1213.2	1205.0
175°	1252.4	1237.7	1229.3	1220.1	1210.5
177.5°	1253.9	1241.6	1234.8	1225.4	1217.3
180°	1236.3	1236.3	1236.3	1236.3	1236.3

(END OF REPORT)