

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: P275045

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

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-60L82765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 6029.6 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

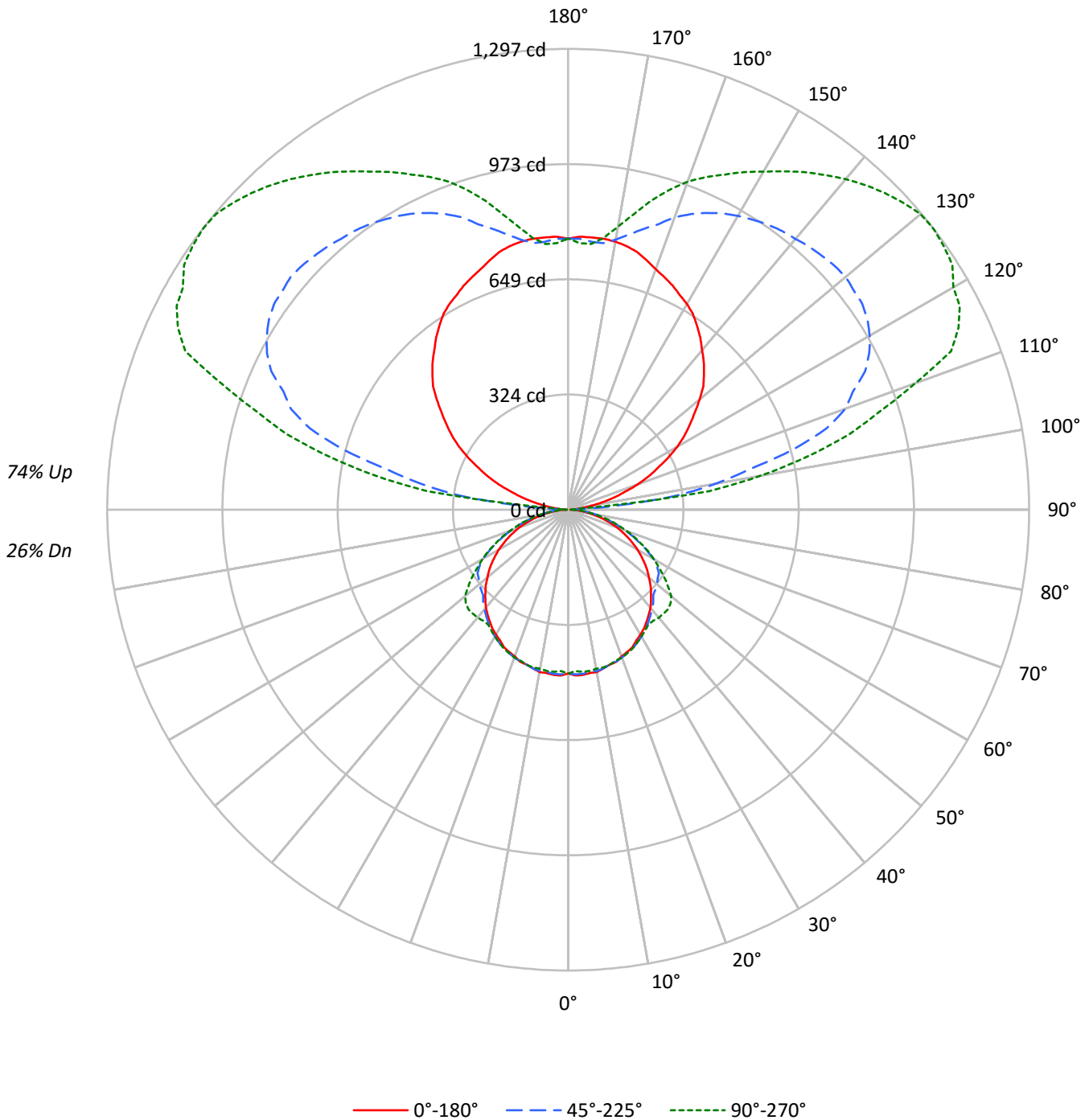
Input Watts (W): 45.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275045

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

Luminous Intensity Polar Plot





TEST NUMBER: P275045

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

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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3720	3720	3720
5°	3784	3759	3709
10°	3802	3777	3727
15°	3774	3774	3774
20°	3775	3802	3802
25°	3805	3833	3833
30°	3784	3841	3841
35°	3789	3849	3880
40°	3795	3859	4181
45°	3763	3867	4529
50°	3718	4101	4752
55°	3693	4381	4639
60°	3646	4484	4484
65°	3555	4256	4313
70°	3458	4034	4105
75°	3238	3808	3902
80°	2980	3687	3547
85°	2825	3955	3390



TEST NUMBER: P275045

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	0.7
10°-20°	127.5	2.1
20°-30°	197.1	3.3
30°-40°	244.5	4.1
40°-50°	273.6	4.5
50°-60°	267.3	4.4
60°-70°	210.9	3.5
70°-80°	127.6	2.1
80°-90°	45.4	0.8
90°-100°	156.6	2.6
100°-110°	605.7	10.0
110°-120°	832.3	13.8
120°-130°	842.1	14.0
130°-140°	746.3	12.4
140°-150°	590.2	9.8
150°-160°	412.1	6.8
160°-170°	233.2	3.9
170°-180°	73.1	1.2
0°-30°	368.6	6.1
0°-40°	613.0	10.2
0°-60°	1153.9	19.1
0°-90°	1537.9	25.5
90°-120°	1594.6	26.4
90°-150°	3773.2	62.6
90°-180°	4492.0	74.5
0°-180°	6029.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	461	461	461	461	461	
5°	467	461	464	461	458	44
15°	452	449	452	452	452	128
25°	427	421	430	430	430	196
35°	384	384	391	394	394	241
45°	330	333	339	382	397	254
55°	262	266	311	330	330	234
65°	186	195	223	226	226	184
75°	104	122	122	125	125	110
85°	30	49	43	40	37	32
90°	6	18	15	3	3	6
95°	24	122	146	30	30	30
105°	134	433	656	757	818	143
115°	278	586	922	1141	1212	277
125°	418	678	1010	1230	1291	374
135°	540	745	1010	1208	1260	416
145°	632	763	980	1123	1160	395
155°	696	745	922	1022	1041	321
165°	751	748	818	888	900	211
175°	769	760	757	757	751	73
180°	763	763	763	763	763	



TEST NUMBER: P275045

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	460.8	460.8	460.8	460.8	460.8
2.5°	466.9	460.8	463.8	460.8	454.7
5°	466.9	460.8	463.8	460.8	457.7
7.5°	463.8	460.8	460.8	457.7	457.7
10°	463.8	457.7	460.8	457.7	454.7
12.5°	457.7	454.7	457.7	454.7	454.7
15°	451.6	448.6	451.6	451.6	451.6
17.5°	448.6	442.5	448.6	448.6	445.5
20°	439.4	436.4	442.5	442.5	442.5
22.5°	433.3	430.3	436.4	436.4	436.4
25°	427.2	421.1	430.3	430.3	430.3
27.5°	415.0	415.0	421.1	424.2	421.1
30°	405.9	402.8	412.0	415.0	412.0
32.5°	396.7	393.7	402.8	405.9	402.8
35°	384.5	384.5	390.6	393.7	393.7
37.5°	372.3	372.3	378.4	381.5	393.7
40°	360.1	360.1	366.2	384.5	396.7
42.5°	344.8	344.8	354.0	381.5	396.7
45°	329.6	332.6	338.7	381.5	396.7
47.5°	314.3	317.4	332.6	378.4	390.6
50°	296.0	302.1	326.5	369.2	378.4
52.5°	280.7	283.8	317.4	354.0	354.0
55°	262.4	265.5	311.3	329.6	329.6
57.5°	244.1	247.2	296.0	302.1	302.1
60°	225.8	228.9	277.7	277.7	277.7
62.5°	204.5	210.6	250.2	253.3	253.3
65°	186.1	195.3	222.8	225.8	225.8
67.5°	164.8	180.0	198.4	201.4	201.4
70°	146.5	164.8	170.9	173.9	173.9
72.5°	125.1	143.4	146.5	149.5	149.5
75°	103.8	122.1	122.1	125.1	125.1
77.5°	82.4	97.7	100.7	100.7	100.7
80°	64.1	73.2	79.3	76.3	76.3
82.5°	45.8	58.0	58.0	58.0	54.9
85°	30.5	48.8	42.7	39.7	36.6
87.5°	18.3	42.7	24.4	21.4	21.4
90°	6.1	18.3	15.3	3.1	3.1
92.5°	12.2	30.5	15.3	12.2	9.2
95°	24.4	122.1	146.5	30.5	30.5
97.5°	45.8	204.5	314.3	372.3	399.8
100°	70.2	305.2	421.1	515.7	549.3
102.5°	100.7	369.2	518.8	637.8	686.6
105°	134.3	433.3	656.1	756.8	817.8
107.5°	167.8	482.2	762.9	875.8	918.5
110°	207.5	521.8	830.0	1025.3	1037.5



TEST NUMBER: P275045

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	244.1	552.3	866.7	1098.6	1165.7
115°	277.7	585.9	921.6	1141.3	1211.5
117.5°	317.4	610.3	955.2	1165.7	1242.0
120°	354.0	631.7	979.6	1196.2	1251.2
122.5°	387.6	656.1	997.9	1220.6	1281.7
125°	418.1	677.5	1010.1	1229.8	1290.8
127.5°	448.6	695.8	1013.1	1232.8	1296.9
130°	482.2	714.1	1019.2	1229.8	1293.9
132.5°	515.7	732.4	1016.2	1220.6	1278.6
135°	540.1	744.6	1010.1	1208.4	1260.3
137.5°	564.5	753.7	1004.0	1190.1	1239.0
140°	585.9	759.8	994.8	1168.8	1214.5
142.5°	610.3	762.9	988.7	1147.4	1187.1
145°	631.7	762.9	979.6	1123.0	1159.6
147.5°	653.0	759.8	967.4	1098.6	1129.1
150°	668.3	753.7	955.2	1074.2	1098.6
152.5°	680.5	747.6	939.9	1046.7	1071.1
155°	695.8	744.6	921.6	1022.3	1040.6
157.5°	708.0	744.6	900.2	994.8	1013.1
160°	720.2	744.6	875.8	967.4	982.6
162.5°	735.4	744.6	842.2	927.7	942.9
165°	750.7	747.6	817.8	888.0	900.2
167.5°	759.8	747.6	793.4	839.2	851.4
170°	766.0	753.7	772.1	805.6	808.7
172.5°	769.0	759.8	756.8	772.1	772.1
175°	769.0	759.8	756.8	756.8	750.7
177.5°	769.0	762.9	762.9	759.8	750.7
180°	762.9	762.9	762.9	762.9	762.9

(END OF REPORT)