

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: P275068

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 7065.3 lumens
Efficiency: N/A
Efficacy: 110.9 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

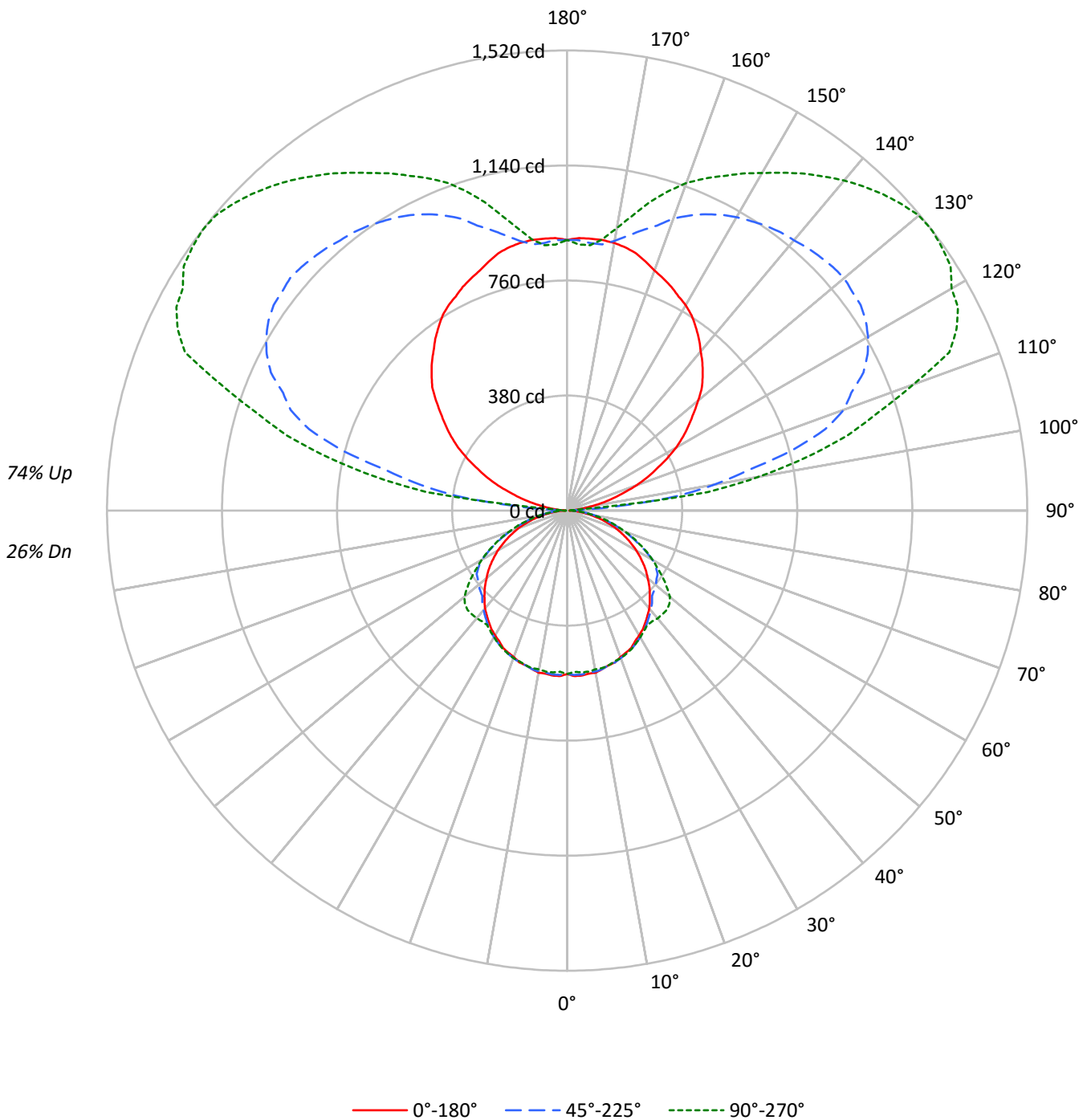
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275068

CATALOG NUMBER: J3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275068

CATALOG NUMBER: J3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)

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°	4359	4359	4359
5°	4434	4404	4347
10°	4455	4426	4368
15°	4423	4423	4423
20°	4424	4454	4454
25°	4459	4491	4491
30°	4433	4500	4500
35°	4440	4511	4546
40°	4446	4522	4899
45°	4409	4531	5308
50°	4357	4805	5569
55°	4328	5133	5436
60°	4272	5254	5254
65°	4166	4986	5054
70°	4050	4725	4810
75°	3793	4460	4573
80°	3491	4324	4156
85°	3316	4641	3974



TEST NUMBER: P275068

CATALOG NUMBER: J3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.7
10°-20°	149.4	2.1
20°-30°	230.9	3.3
30°-40°	286.5	4.1
40°-50°	320.6	4.5
50°-60°	313.2	4.4
60°-70°	247.1	3.5
70°-80°	149.5	2.1
80°-90°	53.2	0.8
90°-100°	183.5	2.6
100°-110°	709.7	10.0
110°-120°	975.3	13.8
120°-130°	986.7	14.0
130°-140°	874.5	12.4
140°-150°	691.6	9.8
150°-160°	482.9	6.8
160°-170°	273.3	3.9
170°-180°	85.7	1.2
0°-30°	431.9	6.1
0°-40°	718.3	10.2
0°-60°	1352.1	19.1
0°-90°	1802.0	25.5
90°-120°	1868.6	26.4
90°-150°	4421.4	62.6
90°-180°	5263.0	74.5
0°-180°	7065.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	540	540	540	540	540	
5°	547	540	544	540	536	52
15°	529	526	529	529	529	150
25°	501	494	504	504	504	230
35°	450	450	458	461	461	282
45°	386	390	397	447	465	298
55°	308	311	365	386	386	275
65°	218	229	261	265	265	215
75°	122	143	143	147	147	129
85°	36	57	50	46	43	37
90°	7	22	18	4	4	7
95°	29	143	172	36	36	35
105°	157	508	769	887	958	167
115°	325	687	1080	1337	1420	325
125°	490	794	1184	1441	1513	438
135°	633	872	1184	1416	1477	488
145°	740	894	1148	1316	1359	463
155°	815	872	1080	1198	1219	376
165°	880	876	958	1041	1055	247
175°	901	890	887	887	880	86
180°	894	894	894	894	894	



TEST NUMBER: P275068

CATALOG NUMBER: J3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	539.9	539.9	539.9	539.9	539.9
2.5°	547.1	539.9	543.5	539.9	532.8
5°	547.1	539.9	543.5	539.9	536.4
7.5°	543.5	539.9	539.9	536.4	536.4
10°	543.5	536.4	539.9	536.4	532.8
12.5°	536.4	532.8	536.4	532.8	532.8
15°	529.2	525.6	529.2	529.2	529.2
17.5°	525.6	518.5	525.6	525.6	522.1
20°	514.9	511.3	518.5	518.5	518.5
22.5°	507.8	504.2	511.3	511.3	511.3
25°	500.6	493.5	504.2	504.2	504.2
27.5°	486.3	486.3	493.5	497.0	493.5
30°	475.6	472.0	482.7	486.3	482.7
32.5°	464.9	461.3	472.0	475.6	472.0
35°	450.5	450.5	457.7	461.3	461.3
37.5°	436.2	436.2	443.4	447.0	461.3
40°	421.9	421.9	429.1	450.5	464.9
42.5°	404.1	404.1	414.8	447.0	464.9
45°	386.2	389.8	396.9	447.0	464.9
47.5°	368.3	371.9	389.8	443.4	457.7
50°	346.9	354.0	382.6	432.7	443.4
52.5°	329.0	332.5	371.9	414.8	414.8
55°	307.5	311.1	364.7	386.2	386.2
57.5°	286.1	289.6	346.9	354.0	354.0
60°	264.6	268.2	325.4	325.4	325.4
62.5°	239.6	246.7	293.2	296.8	296.8
65°	218.1	228.9	261.0	264.6	264.6
67.5°	193.1	211.0	232.4	236.0	236.0
70°	171.6	193.1	200.2	203.8	203.8
72.5°	146.6	168.1	171.6	175.2	175.2
75°	121.6	143.0	143.0	146.6	146.6
77.5°	96.5	114.4	118.0	118.0	118.0
80°	75.1	85.8	93.0	89.4	89.4
82.5°	53.6	67.9	67.9	67.9	64.4
85°	35.8	57.2	50.1	46.5	42.9
87.5°	21.5	50.1	28.6	25.0	25.0
90°	7.2	21.5	17.9	3.6	3.6
92.5°	14.3	35.8	17.9	14.3	10.7
95°	28.6	143.0	171.6	35.8	35.8
97.5°	53.6	239.6	368.3	436.2	468.4
100°	82.2	357.6	493.5	604.3	643.6
102.5°	118.0	432.7	607.9	747.3	804.6
105°	157.3	507.8	768.8	886.8	958.3
107.5°	196.7	565.0	893.9	1026.3	1076.3
110°	243.2	611.5	972.6	1201.5	1215.8



TEST NUMBER: P275068

CATALOG NUMBER: J3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	286.1	647.2	1015.5	1287.3	1366.0
115°	325.4	686.6	1079.9	1337.3	1419.6
117.5°	371.9	715.2	1119.2	1366.0	1455.3
120°	414.8	740.2	1147.8	1401.7	1466.1
122.5°	454.1	768.8	1169.3	1430.3	1501.8
125°	489.9	793.8	1183.6	1441.0	1512.6
127.5°	525.6	815.3	1187.2	1444.6	1519.7
130°	565.0	836.7	1194.3	1441.0	1516.1
132.5°	604.3	858.2	1190.7	1430.3	1498.3
135°	632.9	872.5	1183.6	1416.0	1476.8
137.5°	661.5	883.2	1176.4	1394.6	1451.8
140°	686.6	890.4	1165.7	1369.5	1423.2
142.5°	715.2	893.9	1158.6	1344.5	1391.0
145°	740.2	893.9	1147.8	1315.9	1358.8
147.5°	765.2	890.4	1133.5	1287.3	1323.0
150°	783.1	883.2	1119.2	1258.7	1287.3
152.5°	797.4	876.1	1101.3	1226.5	1255.1
155°	815.3	872.5	1079.9	1197.9	1219.3
157.5°	829.6	872.5	1054.9	1165.7	1187.2
160°	843.9	872.5	1026.3	1133.5	1151.4
162.5°	861.8	872.5	986.9	1087.0	1104.9
165°	879.6	876.1	958.3	1040.6	1054.9
167.5°	890.4	876.1	929.7	983.3	997.6
170°	897.5	883.2	904.7	944.0	947.6
172.5°	901.1	890.4	886.8	904.7	904.7
175°	901.1	890.4	886.8	886.8	879.6
177.5°	901.1	893.9	893.9	890.4	879.6
180°	893.9	893.9	893.9	893.9	893.9

(END OF REPORT)