

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: P275057

Luminaire Tested: **J3-CL-80L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275057  
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-80L82765-1D-UNV-W2A-W-4 (3500K)  
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 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7470.5 lumens  
Efficiency: N/A  
Efficacy: 119.3 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

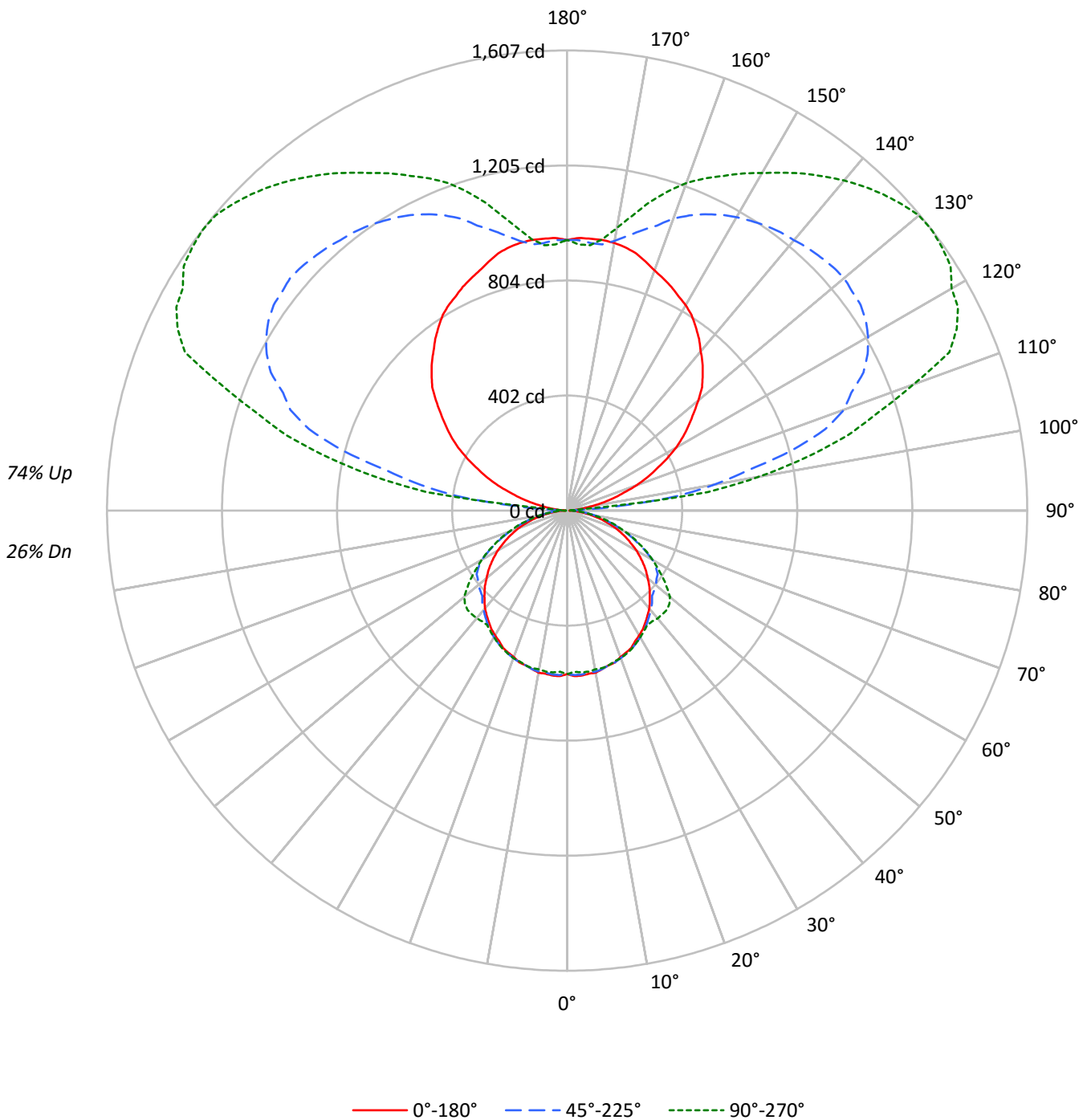
Input Watts (W): 62.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	4609	4609	4609
5°	4688	4657	4596
10°	4711	4680	4618
15°	4677	4677	4677
20°	4677	4710	4710
25°	4715	4749	4749
30°	4688	4758	4758
35°	4695	4770	4806
40°	4701	4781	5180
45°	4662	4792	5611
50°	4605	5081	5888
55°	4577	5429	5747
60°	4518	5556	5556
65°	4405	5272	5345
70°	4284	4997	5087
75°	4011	4716	4835
80°	3691	4570	4393
85°	3501	4900	4205



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	0.7
10°-20°	158.0	2.1
20°-30°	244.2	3.3
30°-40°	302.9	4.1
40°-50°	338.9	4.5
50°-60°	331.2	4.4
60°-70°	261.3	3.5
70°-80°	158.1	2.1
80°-90°	56.3	0.8
90°-100°	194.0	2.6
100°-110°	750.4	10.0
110°-120°	1031.3	13.8
120°-130°	1043.3	14.0
130°-140°	924.6	12.4
140°-150°	731.3	9.8
150°-160°	510.6	6.8
160°-170°	289.0	3.9
170°-180°	90.6	1.2
0°-30°	456.6	6.1
0°-40°	759.5	10.2
0°-60°	1429.7	19.1
0°-90°	1905.4	25.5
90°-120°	1975.7	26.4
90°-150°	4675.0	62.6
90°-180°	5565.0	74.5
0°-180°	7470.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	571	571	571	571	571	
5°	578	571	575	571	567	55
15°	560	556	560	560	560	158
25°	529	522	533	533	533	243
35°	476	476	484	488	488	298
45°	408	412	420	473	492	315
55°	325	329	386	408	408	291
65°	231	242	276	280	280	227
75°	129	151	151	155	155	136
85°	38	60	53	49	45	40
90°	8	23	19	4	4	7
95°	30	151	182	38	38	38
105°	166	537	813	938	1013	177
115°	344	726	1142	1414	1501	343
125°	518	839	1252	1524	1599	463
135°	669	922	1252	1497	1562	515
145°	783	945	1214	1391	1437	489
155°	862	922	1142	1267	1289	397
165°	930	926	1013	1100	1115	262
175°	953	941	938	938	930	91
180°	945	945	945	945	945	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	570.9	570.9	570.9	570.9	570.9
2.5°	578.5	570.9	574.7	570.9	563.4
5°	578.5	570.9	574.7	570.9	567.1
7.5°	574.7	570.9	570.9	567.1	567.1
10°	574.7	567.1	570.9	567.1	563.4
12.5°	567.1	563.4	567.1	563.4	563.4
15°	559.6	555.8	559.6	559.6	559.6
17.5°	555.8	548.2	555.8	555.8	552.0
20°	544.4	540.7	548.2	548.2	548.2
22.5°	536.9	533.1	540.7	540.7	540.7
25°	529.3	521.8	533.1	533.1	533.1
27.5°	514.2	514.2	521.8	525.5	521.8
30°	502.9	499.1	510.4	514.2	510.4
32.5°	491.5	487.7	499.1	502.9	499.1
35°	476.4	476.4	484.0	487.7	487.7
37.5°	461.3	461.3	468.8	472.6	487.7
40°	446.1	446.1	453.7	476.4	491.5
42.5°	427.2	427.2	438.6	472.6	491.5
45°	408.3	412.1	419.7	472.6	491.5
47.5°	389.4	393.2	412.1	468.8	484.0
50°	366.7	374.3	404.6	457.5	468.8
52.5°	347.8	351.6	393.2	438.6	438.6
55°	325.2	328.9	385.7	408.3	408.3
57.5°	302.5	306.3	366.7	374.3	374.3
60°	279.8	283.6	344.1	344.1	344.1
62.5°	253.3	260.9	310.0	313.8	313.8
65°	230.6	242.0	276.0	279.8	279.8
67.5°	204.2	223.1	245.8	249.5	249.5
70°	181.5	204.2	211.7	215.5	215.5
72.5°	155.0	177.7	181.5	185.3	185.3
75°	128.6	151.2	151.2	155.0	155.0
77.5°	102.1	121.0	124.8	124.8	124.8
80°	79.4	90.7	98.3	94.5	94.5
82.5°	56.7	71.8	71.8	71.8	68.1
85°	37.8	60.5	52.9	49.2	45.4
87.5°	22.7	52.9	30.2	26.5	26.5
90°	7.6	22.7	18.9	3.8	3.8
92.5°	15.1	37.8	18.9	15.1	11.3
95°	30.2	151.2	181.5	37.8	37.8
97.5°	56.7	253.3	389.4	461.3	495.3
100°	87.0	378.1	521.8	639.0	680.6
102.5°	124.8	457.5	642.8	790.2	850.7
105°	166.4	536.9	812.9	937.7	1013.3
107.5°	207.9	597.4	945.2	1085.1	1138.0
110°	257.1	646.5	1028.4	1270.4	1285.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	302.5	684.3	1073.8	1361.1	1444.3
115°	344.1	725.9	1141.8	1414.1	1501.0
117.5°	393.2	756.2	1183.4	1444.3	1538.8
120°	438.6	782.6	1213.7	1482.1	1550.2
122.5°	480.2	812.9	1236.4	1512.4	1588.0
125°	518.0	839.4	1251.5	1523.7	1599.3
127.5°	555.8	862.0	1255.3	1527.5	1606.9
130°	597.4	884.7	1262.8	1523.7	1603.1
132.5°	639.0	907.4	1259.0	1512.4	1584.2
135°	669.2	922.5	1251.5	1497.2	1561.5
137.5°	699.5	933.9	1243.9	1474.5	1535.0
140°	725.9	941.4	1232.6	1448.1	1504.8
142.5°	756.2	945.2	1225.0	1421.6	1470.8
145°	782.6	945.2	1213.7	1391.4	1436.7
147.5°	809.1	941.4	1198.5	1361.1	1398.9
150°	828.0	933.9	1183.4	1330.9	1361.1
152.5°	843.1	926.3	1164.5	1296.8	1327.1
155°	862.0	922.5	1141.8	1266.6	1289.3
157.5°	877.2	922.5	1115.4	1232.6	1255.3
160°	892.3	922.5	1085.1	1198.5	1217.4
162.5°	911.2	922.5	1043.5	1149.4	1168.3
165°	930.1	926.3	1013.3	1100.2	1115.4
167.5°	941.4	926.3	983.0	1039.7	1054.9
170°	949.0	933.9	956.6	998.2	1001.9
172.5°	952.8	941.4	937.7	956.6	956.6
175°	952.8	941.4	937.7	937.7	930.1
177.5°	952.8	945.2	945.2	941.4	930.1
180°	945.2	945.2	945.2	945.2	945.2

(END OF REPORT)