

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: P275254

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-80L82765-1D-UNV-W2A-W-4 (6500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8342.9 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

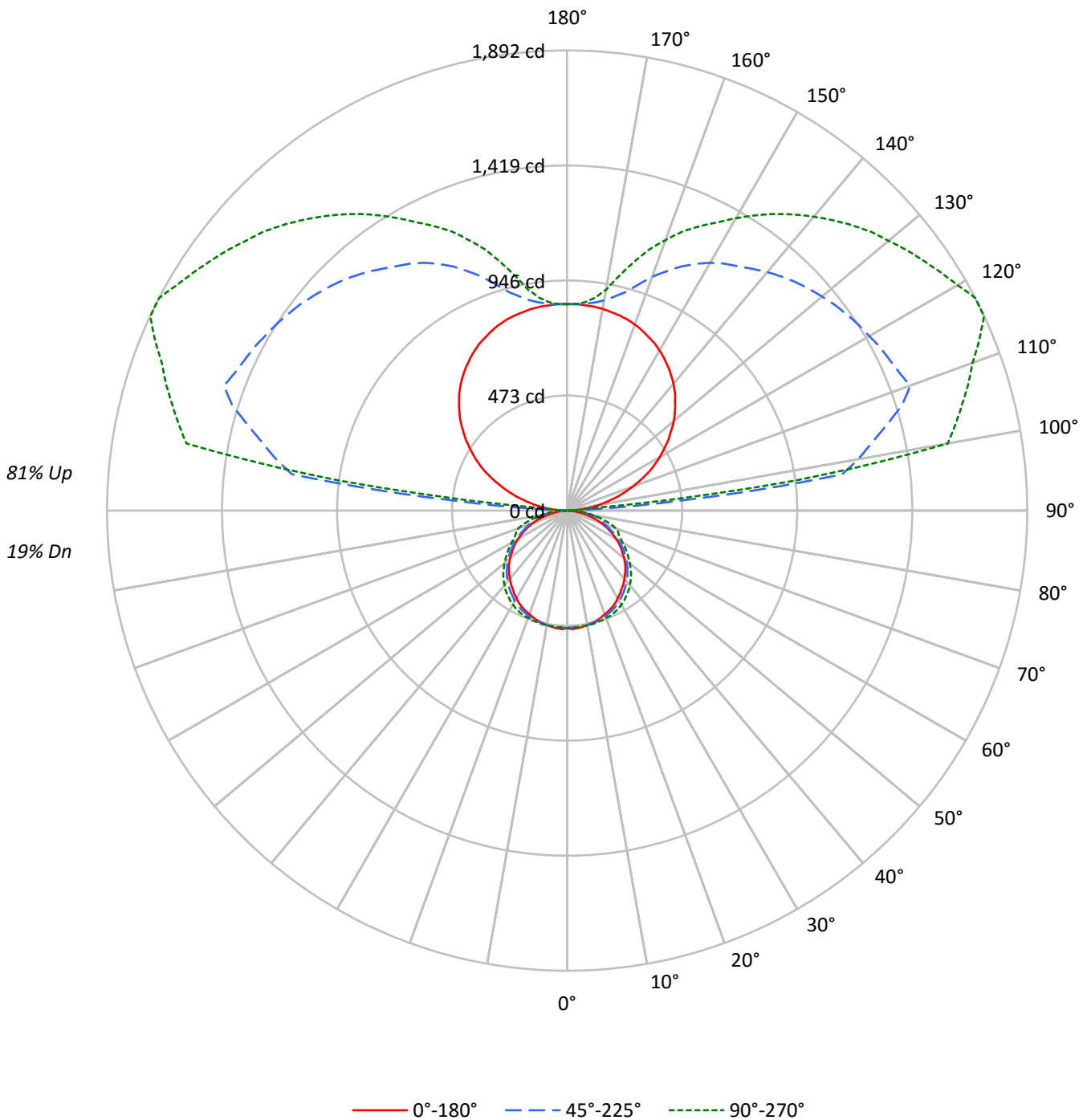
Input Watts (W): 65  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3906	3906	3906
5°	3932	3898	3898
10°	3920	3920	3932
15°	3916	3939	3974
20°	3895	3966	4038
25°	3903	3989	4113
30°	3878	4007	4162
35°	3855	4005	4195
40°	3860	4006	4224
45°	3866	4008	4245
50°	3853	3993	4219
55°	3813	3969	4221
60°	3749	3928	4240
65°	3670	3882	4462
70°	3491	3916	5025
75°	3235	4482	5044
80°	2762	4561	5012
85°	2177	5122	5761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.9	0.6
10°-20°	133.6	1.6
20°-30°	207.0	2.5
30°-40°	255.3	3.1
40°-50°	272.2	3.3
50°-60°	253.7	3.0
60°-70°	207.3	2.5
70°-80°	142.8	1.7
80°-90°	56.5	0.7
90°-100°	491.6	5.9
100°-110°	1260.1	15.1
110°-120°	1304.8	15.6
120°-130°	1161.7	13.9
130°-140°	967.3	11.6
140°-150°	736.5	8.8
150°-160°	495.5	5.9
160°-170°	268.6	3.2
170°-180°	82.4	1.0
0°-30°	386.6	4.6
0°-40°	641.9	7.7
0°-60°	1167.8	14.0
0°-90°	1574.4	18.9
90°-120°	3056.5	36.6
90°-150°	5921.9	71.0
90°-180°	6769.0	81.1
0°-180°	8342.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	484	484	484	484	484	
5°	485	484	481	481	481	46
15°	469	470	471	477	476	132
25°	438	441	448	458	462	202
35°	391	397	406	419	426	246
45°	339	341	351	364	372	261
55°	271	275	282	292	300	242
65°	192	196	203	222	234	189
75°	104	111	144	160	162	109
85°	24	44	55	64	62	28
90°	3	4	6	4	4	8
95°	69	547	459	68	66	69
105°	207	869	1359	1605	1681	219
115°	366	901	1464	1823	1891	361
125°	509	922	1404	1706	1790	453
135°	628	947	1328	1581	1659	485
145°	723	926	1226	1428	1489	452
155°	789	882	1107	1250	1290	365
165°	831	858	930	1023	1057	235
175°	847	851	853	858	860	81
180°	849	849	849	849	849	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	483.8	483.8	483.8	483.8	483.8
2.5°	487.9	485.2	481.0	481.0	479.6
5°	485.2	483.8	481.0	481.0	481.0
7.5°	482.4	482.4	479.6	481.0	479.6
10°	478.2	479.6	478.2	481.0	479.6
12.5°	472.7	475.5	475.5	479.6	478.2
15°	468.6	470.0	471.3	476.9	475.5
17.5°	461.7	464.4	467.2	474.1	474.1
20°	453.4	457.5	461.7	470.0	470.0
22.5°	446.5	450.6	454.7	464.4	467.2
25°	438.2	440.9	447.8	457.5	461.7
27.5°	428.5	431.2	439.5	449.2	454.7
30°	416.0	421.6	429.9	440.9	446.5
32.5°	405.0	410.5	417.4	431.2	436.8
35°	391.2	396.7	406.4	418.8	425.7
37.5°	380.1	385.6	393.9	406.4	414.7
40°	366.3	370.4	380.1	392.5	400.8
42.5°	352.5	358.0	366.3	380.1	387.0
45°	338.6	341.4	351.1	363.5	371.8
47.5°	323.4	326.2	334.5	348.3	353.8
50°	306.8	311.0	317.9	330.3	335.9
52.5°	287.5	293.0	301.3	311.0	317.9
55°	270.9	275.1	282.0	291.6	299.9
57.5°	252.9	257.1	264.0	273.7	282.0
60°	232.2	236.4	243.3	255.7	262.6
62.5°	211.5	217.0	222.5	235.0	247.4
65°	192.1	196.3	203.2	222.5	233.6
67.5°	170.0	175.5	182.5	210.1	226.7
70°	147.9	153.4	165.9	203.2	212.9
72.5°	127.2	131.3	152.0	188.0	190.7
75°	103.7	110.6	143.7	160.3	161.7
77.5°	80.2	89.8	123.0	134.1	135.5
80°	59.4	74.6	98.1	106.4	107.8
82.5°	41.5	63.6	76.0	82.9	82.9
85°	23.5	44.2	55.3	63.6	62.2
87.5°	13.8	29.0	41.5	48.4	47.0
90°	2.8	4.1	5.5	4.1	4.1
92.5°	35.9	116.1	31.8	31.8	30.4
95°	69.1	547.4	458.9	67.7	66.3
97.5°	99.5	664.8	1140.3	1361.5	946.8
100°	134.1	790.6	1215.0	1499.7	1589.5
102.5°	167.2	844.5	1281.3	1545.3	1635.2
105°	207.3	869.4	1358.7	1604.7	1680.8
107.5°	246.0	881.8	1444.4	1655.9	1729.1
110°	284.7	890.1	1501.1	1713.9	1773.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	324.8	895.7	1479.0	1783.0	1834.2
115°	366.3	901.2	1463.8	1823.1	1890.9
117.5°	403.6	905.3	1451.3	1784.4	1892.2
120°	439.5	910.9	1434.7	1756.8	1853.5
122.5°	472.7	917.8	1420.9	1731.9	1821.7
125°	508.7	921.9	1404.3	1705.6	1790.0
127.5°	539.1	927.5	1387.7	1673.9	1759.5
130°	572.2	937.1	1368.4	1646.2	1725.0
132.5°	601.3	944.0	1349.0	1615.8	1696.0
135°	627.5	946.8	1328.3	1581.2	1658.6
137.5°	656.5	945.4	1304.8	1546.7	1618.6
140°	680.0	939.9	1279.9	1509.4	1577.1
142.5°	702.2	935.8	1252.3	1470.7	1534.2
145°	722.9	926.1	1226.0	1427.8	1488.6
147.5°	742.2	916.4	1203.9	1383.6	1438.9
150°	760.2	902.6	1176.3	1332.4	1387.7
152.5°	776.8	891.5	1143.1	1288.2	1335.2
155°	789.2	881.8	1107.1	1249.5	1289.6
157.5°	803.1	874.9	1064.3	1199.8	1242.6
160°	814.1	868.0	1022.8	1143.1	1183.2
162.5°	823.8	862.5	974.5	1087.8	1126.5
165°	830.7	858.4	930.2	1022.8	1057.4
167.5°	836.2	854.2	901.2	955.1	988.3
170°	841.8	852.8	877.7	909.5	921.9
172.5°	845.9	852.8	862.5	877.7	883.2
175°	847.3	851.4	852.8	858.4	859.7
177.5°	850.1	852.8	848.7	850.1	850.1
180°	848.7	848.7	848.7	848.7	848.7

(END OF REPORT)