

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: P275248

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275248  
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 (3000K)  
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 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7536.6 lumens  
Efficiency: N/A  
Efficacy: 121.8 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

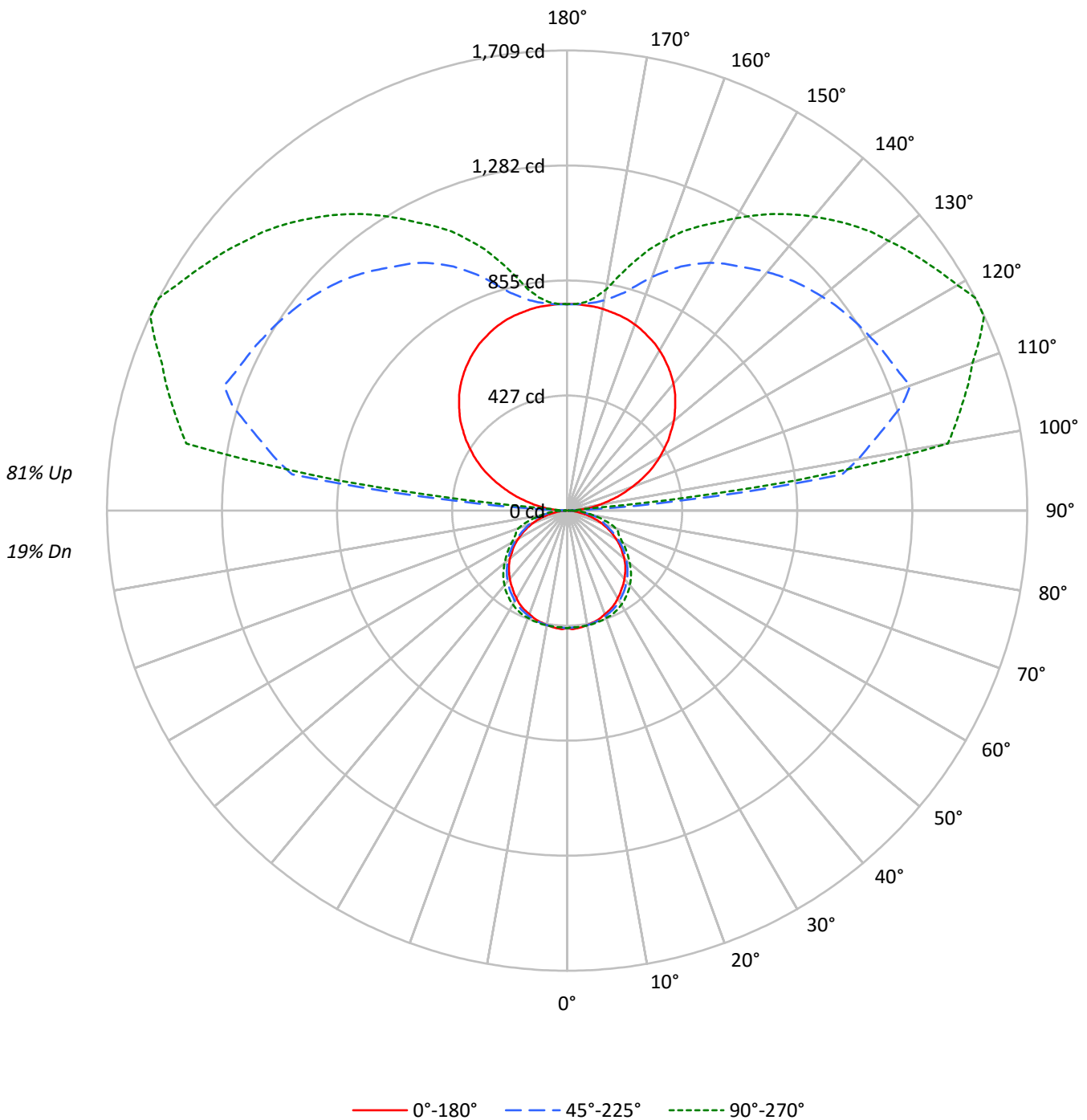
Input Watts (W): 61.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3528	3528	3528
5°	3552	3521	3521
10°	3541	3541	3552
15°	3538	3559	3590
20°	3518	3582	3647
25°	3526	3604	3714
30°	3503	3620	3759
35°	3483	3618	3790
40°	3487	3619	3816
45°	3492	3620	3835
50°	3481	3607	3810
55°	3444	3585	3813
60°	3387	3549	3830
65°	3316	3505	4031
70°	3153	3536	4539
75°	2920	4052	4557
80°	2497	4124	4528
85°	1964	4622	5206



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	0.6
10°-20°	120.7	1.6
20°-30°	187.0	2.5
30°-40°	230.7	3.1
40°-50°	245.9	3.3
50°-60°	229.2	3.0
60°-70°	187.2	2.5
70°-80°	129.0	1.7
80°-90°	51.0	0.7
90°-100°	444.1	5.9
100°-110°	1138.3	15.1
110°-120°	1178.7	15.6
120°-130°	1049.4	13.9
130°-140°	873.8	11.6
140°-150°	665.3	8.8
150°-160°	447.6	5.9
160°-170°	242.7	3.2
170°-180°	74.4	1.0
0°-30°	349.2	4.6
0°-40°	579.9	7.7
0°-60°	1054.9	14.0
0°-90°	1422.2	18.9
90°-120°	2761.1	36.6
90°-150°	5349.6	71.0
90°-180°	6114.0	81.1
0°-180°	7536.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	438	437	434	434	434	42
15°	423	424	426	431	430	119
25°	396	398	405	413	417	182
35°	353	358	367	378	385	222
45°	306	308	317	328	336	236
55°	245	248	255	264	271	218
65°	174	177	184	201	211	171
75°	94	100	130	145	146	99
85°	21	40	50	57	56	25
90°	2	4	5	4	4	7
95°	62	494	414	61	60	62
105°	187	785	1227	1450	1518	198
115°	331	814	1322	1647	1708	326
125°	460	833	1269	1541	1617	410
135°	567	855	1200	1428	1498	438
145°	653	837	1108	1290	1345	409
155°	713	797	1000	1129	1165	329
165°	750	775	840	924	955	212
175°	765	769	770	775	777	73
180°	767	767	767	767	767	



TEST NUMBER: P275248

CATALOG NUMBER: J3-UL-80L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	437.0	437.0	437.0	437.0	437.0
2.5°	440.8	438.3	434.5	434.5	433.3
5°	438.3	437.0	434.5	434.5	434.5
7.5°	435.8	435.8	433.3	434.5	433.3
10°	432.0	433.3	432.0	434.5	433.3
12.5°	427.0	429.5	429.5	433.3	432.0
15°	423.3	424.5	425.8	430.8	429.5
17.5°	417.0	419.5	422.0	428.3	428.3
20°	409.5	413.3	417.0	424.5	424.5
22.5°	403.3	407.0	410.8	419.5	422.0
25°	395.8	398.3	404.6	413.3	417.0
27.5°	387.1	389.6	397.1	405.8	410.8
30°	375.8	380.8	388.3	398.3	403.3
32.5°	365.8	370.8	377.1	389.6	394.6
35°	353.4	358.4	367.1	378.3	384.6
37.5°	343.4	348.4	355.9	367.1	374.6
40°	330.9	334.6	343.4	354.6	362.1
42.5°	318.4	323.4	330.9	343.4	349.6
45°	305.9	308.4	317.1	328.4	335.9
47.5°	292.2	294.7	302.2	314.7	319.6
50°	277.2	280.9	287.2	298.4	303.4
52.5°	259.7	264.7	272.2	280.9	287.2
55°	244.7	248.5	254.7	263.5	270.9
57.5°	228.5	232.2	238.5	247.2	254.7
60°	209.8	213.5	219.8	231.0	237.2
62.5°	191.0	196.0	201.0	212.3	223.5
65°	173.6	177.3	183.5	201.0	211.0
67.5°	153.6	158.6	164.8	189.8	204.8
70°	133.6	138.6	149.8	183.5	192.3
72.5°	114.9	118.6	137.3	169.8	172.3
75°	93.6	99.9	129.9	144.8	146.1
77.5°	72.4	81.2	111.1	121.1	122.4
80°	53.7	67.4	88.7	96.1	97.4
82.5°	37.5	57.4	68.7	74.9	74.9
85°	21.2	40.0	49.9	57.4	56.2
87.5°	12.5	26.2	37.5	43.7	42.5
90°	2.5	3.7	5.0	3.7	3.7
92.5°	32.5	104.9	28.7	28.7	27.5
95°	62.4	494.5	414.5	61.2	59.9
97.5°	89.9	600.6	1030.1	1229.9	855.3
100°	121.1	714.2	1097.5	1354.7	1435.9
102.5°	151.1	762.9	1157.5	1396.0	1477.1
105°	187.3	785.4	1227.4	1449.6	1518.3
107.5°	222.3	796.6	1304.8	1495.8	1562.0
110°	257.2	804.1	1356.0	1548.3	1602.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	293.4	809.1	1336.0	1610.7	1656.9
115°	330.9	814.1	1322.3	1646.9	1708.1
117.5°	364.6	817.8	1311.0	1612.0	1709.4
120°	397.1	822.8	1296.1	1587.0	1674.4
122.5°	427.0	829.1	1283.6	1564.5	1645.7
125°	459.5	832.8	1268.6	1540.8	1617.0
127.5°	487.0	837.8	1253.6	1512.1	1589.5
130°	516.9	846.6	1236.1	1487.1	1558.3
132.5°	543.1	852.8	1218.6	1459.6	1532.0
135°	566.9	855.3	1199.9	1428.4	1498.3
137.5°	593.1	854.1	1178.7	1397.2	1462.1
140°	614.3	849.1	1156.2	1363.5	1424.7
142.5°	634.3	845.3	1131.2	1328.5	1386.0
145°	653.0	836.6	1107.5	1289.8	1344.8
147.5°	670.5	827.8	1087.5	1249.9	1299.8
150°	686.7	815.3	1062.6	1203.7	1253.6
152.5°	701.7	805.4	1032.6	1163.7	1206.2
155°	713.0	796.6	1000.1	1128.7	1165.0
157.5°	725.4	790.4	961.4	1083.8	1122.5
160°	735.4	784.1	924.0	1032.6	1068.8
162.5°	744.2	779.1	880.3	982.7	1017.6
165°	750.4	775.4	840.3	924.0	955.2
167.5°	755.4	771.6	814.1	862.8	892.8
170°	760.4	770.4	792.9	821.6	832.8
172.5°	764.2	770.4	779.1	792.9	797.9
175°	765.4	769.1	770.4	775.4	776.6
177.5°	767.9	770.4	766.6	767.9	767.9
180°	766.6	766.6	766.6	766.6	766.6

(END OF REPORT)