

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: P275202

Luminaire Tested: **J3-UL-40L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275202  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-40L82765-1D-UNV-W2A-W-4 (4000K)  
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 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4004.8 lumens  
Efficiency: N/A  
Efficacy: 142.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

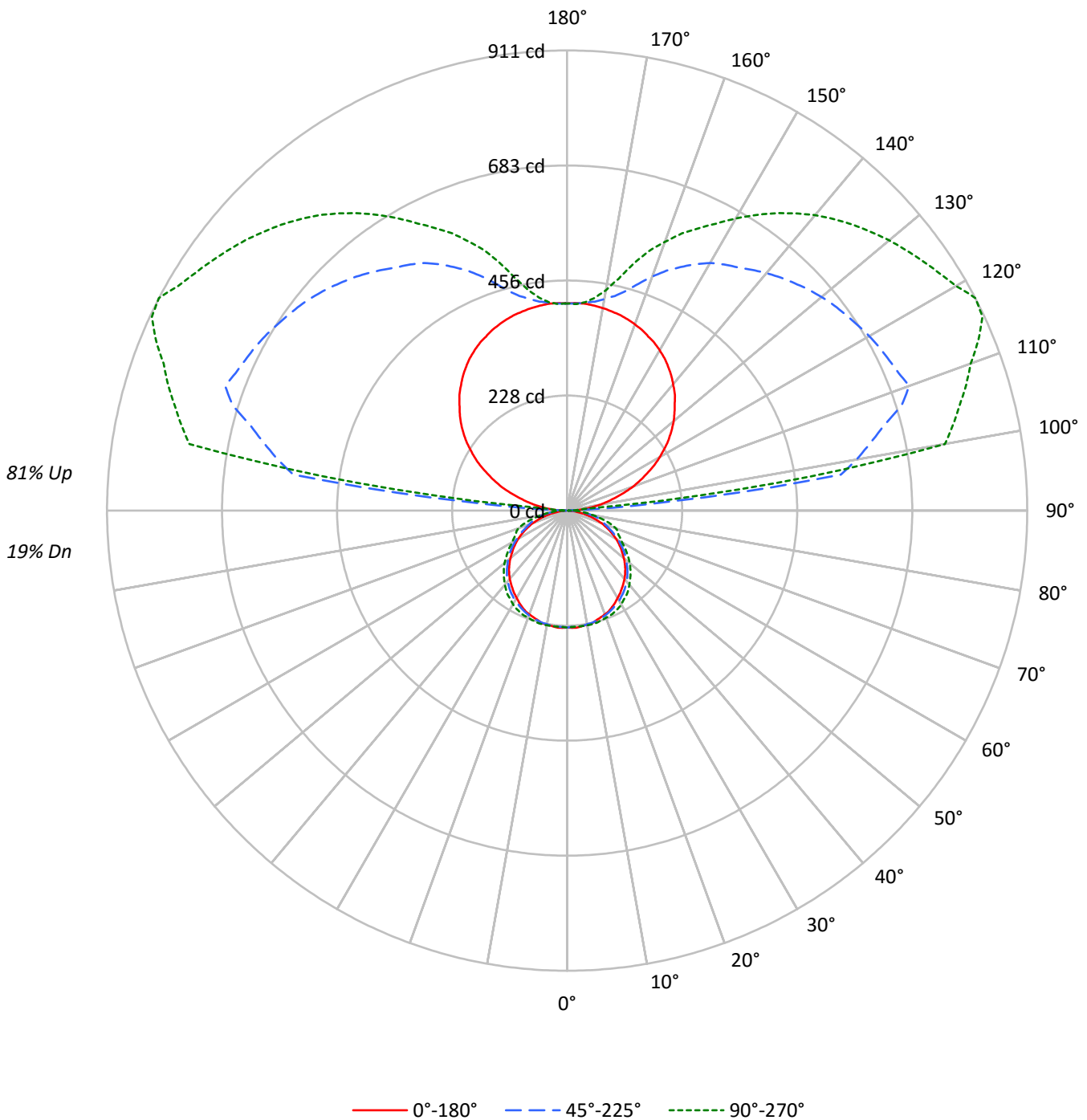
Input Watts (W): 28.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P275202

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P275202

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4000K)

**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	19	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°	1869	1869	1869
5°	1884	1868	1868
10°	1881	1873	1890
15°	1876	1885	1918
20°	1878	1895	1937
25°	1876	1903	1974
30°	1861	1917	2000
35°	1859	1928	2016
40°	1861	1924	2019
45°	1858	1926	2028
50°	1842	1918	2031
55°	1825	1910	2023
60°	1805	1886	2030
65°	1754	1868	2136
70°	1697	1884	2426
75°	1556	2149	2458
80°	1344	2180	2366
85°	1019	2399	2677



TEST NUMBER: P275202

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.0	0.5
10°-20°	64.0	1.6
20°-30°	99.2	2.5
30°-40°	122.6	3.1
40°-50°	130.8	3.3
50°-60°	121.9	3.0
60°-70°	99.5	2.5
70°-80°	68.5	1.7
80°-90°	26.8	0.7
90°-100°	233.2	5.8
100°-110°	604.4	15.1
110°-120°	627.0	15.7
120°-130°	558.1	13.9
130°-140°	465.0	11.6
140°-150°	354.1	8.8
150°-160°	238.5	6.0
160°-170°	129.5	3.2
170°-180°	39.8	1.0
0°-30°	185.2	4.6
0°-40°	307.9	7.7
0°-60°	560.5	14.0
0°-90°	755.4	18.9
90°-120°	1464.5	36.6
90°-150°	2841.7	71.0
90°-180°	3249.0	81.1
0°-180°	4004.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	232	232	232	232	232	
5°	232	232	230	230	230	22
15°	224	226	226	228	230	64
25°	211	211	214	220	222	97
35°	189	191	196	202	205	118
45°	163	165	169	175	178	125
55°	130	133	136	140	144	116
65°	92	94	98	107	112	91
75°	50	53	69	77	79	52
85°	11	21	26	30	29	13
90°	2	2	2	2	2	4
95°	34	264	203	33	32	34
105°	99	418	649	768	804	106
115°	175	432	704	878	907	174
125°	246	442	675	818	860	219
135°	301	454	637	762	800	233
145°	348	446	588	685	719	218
155°	380	426	532	600	617	176
165°	401	414	450	492	505	113
175°	411	413	413	415	414	39
180°	410	410	410	410	410	



TEST NUMBER: P275202

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	231.5	231.5	231.5	231.5	231.5
2.5°	232.5	232.5	230.5	230.5	230.5
5°	232.5	232.5	230.5	230.5	230.5
7.5°	230.5	231.5	230.5	230.5	230.5
10°	229.5	229.5	228.5	229.5	230.5
12.5°	228.5	228.5	227.5	229.5	230.5
15°	224.5	225.5	225.5	228.5	229.5
17.5°	221.6	222.6	223.6	226.5	227.5
20°	218.6	218.6	220.6	224.5	225.5
22.5°	215.6	215.6	217.6	222.6	224.5
25°	210.6	210.6	213.6	219.6	221.6
27.5°	205.6	206.6	209.6	215.6	218.6
30°	199.6	201.6	205.6	211.6	214.6
32.5°	194.6	196.6	200.6	206.6	208.6
35°	188.6	190.6	195.6	201.6	204.6
37.5°	182.6	184.6	189.6	195.6	198.6
40°	176.6	178.6	182.6	189.6	191.6
42.5°	169.7	171.7	176.6	182.6	184.6
45°	162.7	164.7	168.7	174.6	177.6
47.5°	154.7	157.7	160.7	166.7	169.7
50°	146.7	149.7	152.7	158.7	161.7
52.5°	137.7	141.7	144.7	149.7	152.7
55°	129.7	132.7	135.7	139.7	143.7
57.5°	120.8	123.8	126.7	131.7	134.7
60°	111.8	113.8	116.8	121.8	125.7
62.5°	101.8	104.8	106.8	112.8	118.8
65°	91.8	93.8	97.8	106.8	111.8
67.5°	81.8	83.8	87.8	100.8	108.8
70°	71.9	73.9	79.8	97.8	102.8
72.5°	59.9	62.9	72.9	89.8	91.8
75°	49.9	52.9	68.9	76.8	78.8
77.5°	38.9	42.9	58.9	63.9	64.9
80°	28.9	35.9	46.9	50.9	50.9
82.5°	19.0	29.9	35.9	39.9	39.9
85°	11.0	21.0	25.9	29.9	28.9
87.5°	7.0	14.0	20.0	23.0	22.0
90°	2.0	2.0	2.0	2.0	2.0
92.5°	19.0	52.9	16.0	15.0	15.0
95°	33.9	263.5	202.6	32.9	31.9
97.5°	47.9	321.4	546.9	645.7	419.2
100°	64.9	382.2	581.8	719.6	759.5
102.5°	80.8	408.2	613.8	739.5	782.4
105°	98.8	418.2	648.7	768.5	804.4
107.5°	118.8	424.1	694.6	792.4	828.3
110°	138.7	427.1	720.6	824.3	850.3



TEST NUMBER: P275202

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	156.7	429.1	710.6	857.3	881.2
115°	174.6	432.1	703.6	878.2	907.2
117.5°	194.6	434.1	697.6	858.3	911.2
120°	211.6	437.1	690.6	844.3	889.2
122.5°	228.5	440.1	682.6	831.3	874.2
125°	245.5	442.1	674.6	818.4	860.3
127.5°	260.5	444.1	666.7	804.4	846.3
130°	275.4	450.1	657.7	791.4	832.3
132.5°	288.4	454.1	647.7	775.4	816.4
135°	301.4	454.1	636.7	761.5	800.4
137.5°	315.4	454.1	625.7	743.5	782.4
140°	326.3	452.1	613.8	725.5	763.5
142.5°	338.3	450.1	600.8	706.6	741.5
145°	348.3	446.1	587.8	684.6	718.6
147.5°	358.3	441.1	577.8	662.7	693.6
150°	366.3	436.1	565.9	640.7	667.7
152.5°	374.2	430.1	549.9	619.8	640.7
155°	380.2	426.1	531.9	599.8	616.8
157.5°	387.2	423.2	514.0	576.8	593.8
160°	392.2	419.2	493.0	550.9	565.9
162.5°	397.2	416.2	471.1	523.0	538.9
165°	401.2	414.2	450.1	492.0	505.0
167.5°	404.2	413.2	435.1	461.1	470.1
170°	407.2	412.2	425.1	440.1	443.1
172.5°	409.2	412.2	417.2	424.1	425.1
175°	411.2	413.2	413.2	415.2	414.2
177.5°	411.2	412.2	410.2	411.2	409.2
180°	410.2	410.2	410.2	410.2	410.2

(END OF REPORT)