

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: P275192

Luminaire Tested: **J3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-30L92765-1D-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, 90 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2455.2 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

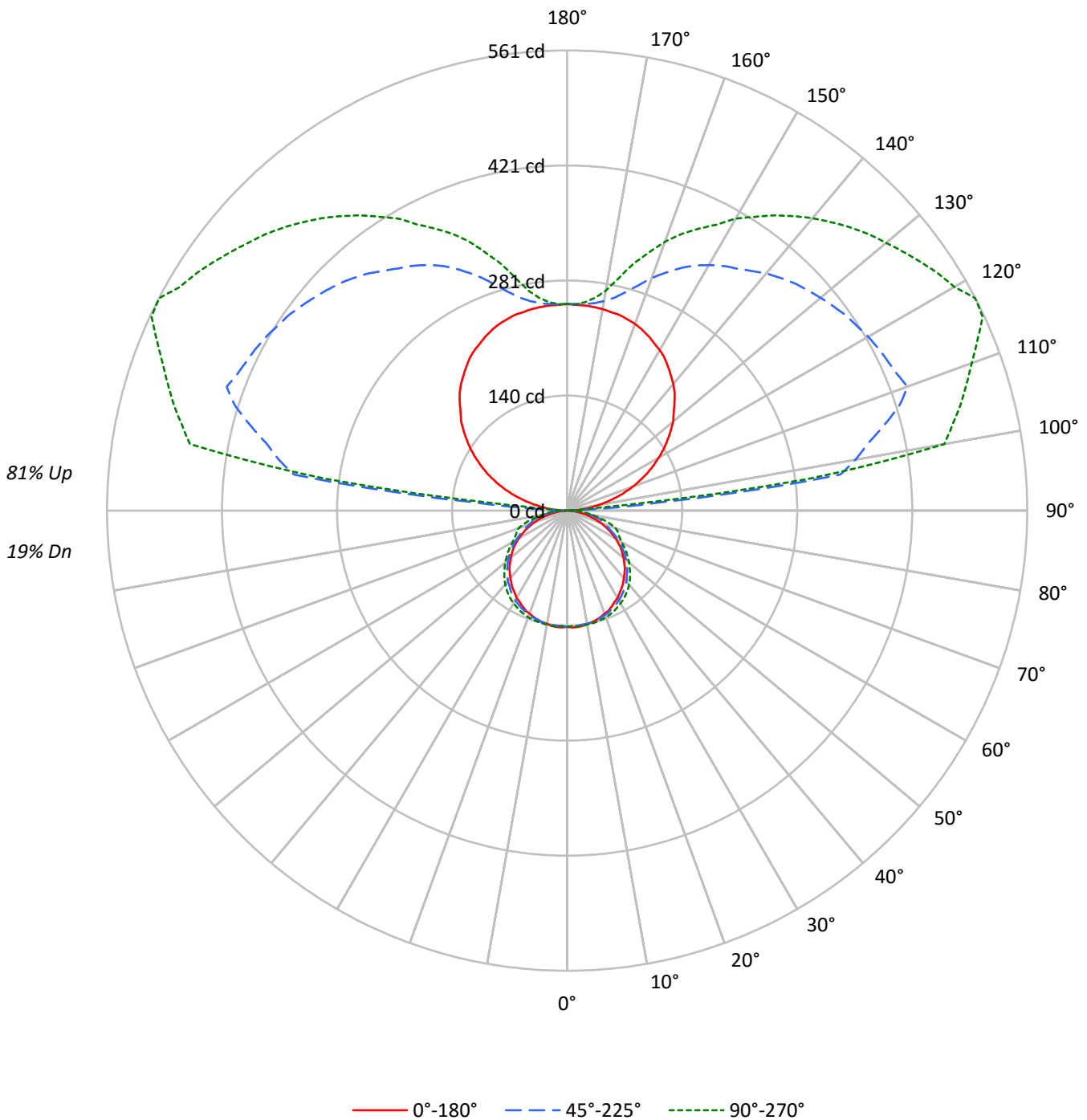
Input Watts (W): 20.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	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°	1145	1145	1145
5°	1156	1143	1149
10°	1149	1149	1156
15°	1151	1151	1172
20°	1149	1162	1191
25°	1147	1169	1205
30°	1148	1177	1216
35°	1140	1181	1229
40°	1134	1186	1237
45°	1135	1182	1238
50°	1127	1177	1238
55°	1125	1170	1239
60°	1106	1158	1237
65°	1074	1137	1309
70°	1020	1154	1482
75°	942	1323	1500
80°	832	1325	1441
85°	676	1510	1658



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.5	0.5
10°-20°	39.2	1.6
20°-30°	60.8	2.5
30°-40°	75.2	3.1
40°-50°	80.1	3.3
50°-60°	74.7	3.0
60°-70°	60.8	2.5
70°-80°	41.8	1.7
80°-90°	16.3	0.7
90°-100°	143.5	5.8
100°-110°	370.9	15.1
110°-120°	384.6	15.7
120°-130°	341.8	13.9
130°-140°	284.9	11.6
140°-150°	217.2	8.8
150°-160°	146.4	6.0
160°-170°	79.3	3.2
170°-180°	24.4	1.0
0°-30°	113.4	4.6
0°-40°	188.6	7.7
0°-60°	343.3	14.0
0°-90°	462.3	18.8
90°-120°	899.0	36.6
90°-150°	1742.8	71.0
90°-180°	1993.0	81.2
0°-180°	2455.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	142	142	142	142	142	
5°	143	142	141	141	142	14
15°	138	138	138	139	140	39
25°	129	130	131	134	135	59
35°	116	116	120	124	125	72
45°	99	101	104	108	108	76
55°	80	81	83	86	88	71
65°	56	58	60	65	68	55
75°	30	33	42	47	48	32
85°	7	13	16	18	18	8
90°	1	2	2	1	1	2
95°	20	161	113	20	20	20
105°	62	257	399	471	496	65
115°	108	265	431	538	559	106
125°	149	271	415	500	527	133
135°	185	279	392	465	488	143
145°	214	274	360	420	439	134
155°	235	262	326	368	379	108
165°	247	254	276	302	311	70
175°	251	252	253	254	255	24
180°	252	252	252	252	252	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	141.8	141.8	141.8	141.8	141.8
2.5°	142.6	142.6	141.0	141.0	141.0
5°	142.6	141.8	141.0	141.0	141.8
7.5°	141.8	141.8	140.2	141.0	141.8
10°	140.2	140.2	140.2	141.0	141.0
12.5°	139.4	139.4	139.4	140.2	141.0
15°	137.7	137.7	137.7	139.4	140.2
17.5°	136.1	136.1	136.9	138.6	139.4
20°	133.7	134.5	135.3	137.7	138.6
22.5°	132.0	132.0	133.7	136.1	136.9
25°	128.8	129.6	131.2	134.5	135.3
27.5°	125.5	126.3	128.8	132.0	132.8
30°	123.1	123.9	126.3	129.6	130.4
32.5°	119.0	120.6	123.1	127.1	128.0
35°	115.7	116.5	119.8	123.9	124.7
37.5°	111.7	113.3	115.7	119.8	121.4
40°	107.6	109.2	112.5	116.5	117.4
42.5°	103.5	105.1	107.6	111.7	113.3
45°	99.4	101.1	103.5	107.6	108.4
47.5°	94.5	96.2	98.6	102.7	103.5
50°	89.7	91.3	93.7	97.0	98.6
52.5°	84.8	86.4	88.8	92.1	92.9
55°	79.9	80.7	83.1	86.4	88.0
57.5°	74.2	75.8	77.4	80.7	82.3
60°	68.5	69.3	71.7	75.0	76.6
62.5°	61.9	63.6	66.0	69.3	72.5
65°	56.2	57.9	59.5	65.2	68.5
67.5°	49.7	51.3	53.8	61.1	66.8
70°	43.2	44.8	48.9	59.5	62.8
72.5°	36.7	38.3	44.8	54.6	56.2
75°	30.2	32.6	42.4	47.3	48.1
77.5°	23.6	26.1	35.9	38.3	39.1
80°	17.9	22.0	28.5	31.0	31.0
82.5°	12.2	18.7	22.0	23.6	24.5
85°	7.3	13.0	16.3	17.9	17.9
87.5°	4.1	8.2	11.4	13.9	13.0
90°	0.8	1.6	1.6	0.8	0.8
92.5°	11.4	33.4	9.8	9.0	9.0
95°	20.4	160.6	113.3	19.6	19.6
97.5°	29.3	196.4	335.8	395.3	297.5
100°	39.1	233.1	357.0	441.7	467.0
102.5°	49.7	250.2	374.9	454.0	480.9
105°	61.9	256.7	399.4	471.1	496.3
107.5°	73.4	260.8	424.6	486.6	510.2
110°	84.8	262.4	441.7	504.5	524.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	96.2	264.1	435.2	525.7	541.2
115°	107.6	264.9	431.1	537.9	559.1
117.5°	118.2	266.5	427.9	525.7	560.7
120°	128.8	268.1	423.8	515.9	545.2
122.5°	139.4	269.8	418.9	508.6	537.1
125°	149.1	270.6	414.8	500.4	527.3
127.5°	158.9	272.2	409.1	492.3	517.5
130°	168.7	275.5	403.4	483.3	507.7
132.5°	176.0	277.9	397.7	475.1	498.8
135°	185.0	278.7	392.0	465.4	488.2
137.5°	194.0	278.7	384.7	455.6	476.8
140°	201.3	277.9	377.3	444.2	465.4
142.5°	207.8	276.3	368.4	432.8	452.3
145°	214.3	273.8	360.2	420.5	439.3
147.5°	220.9	271.4	353.7	407.5	424.6
150°	225.8	268.1	345.6	393.6	410.8
152.5°	229.8	264.1	336.6	380.6	392.8
155°	234.7	261.6	326.0	368.4	379.0
157.5°	238.8	258.4	313.8	355.3	365.1
160°	242.1	256.7	301.6	338.2	348.8
162.5°	244.5	254.3	287.7	321.1	329.3
165°	246.9	253.5	275.5	302.4	311.3
167.5°	247.8	251.8	265.7	282.8	290.1
170°	249.4	251.8	259.2	269.0	272.2
172.5°	250.2	251.8	255.1	260.0	261.6
175°	251.0	251.8	252.7	254.3	255.1
177.5°	251.0	251.8	251.8	251.8	251.8
180°	251.8	251.8	251.8	251.8	251.8

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