

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: P275224

Luminaire Tested: **J3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-50L92765-1D-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: 4083.6 lumens  
Efficiency: N/A  
Efficacy: 116.0 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

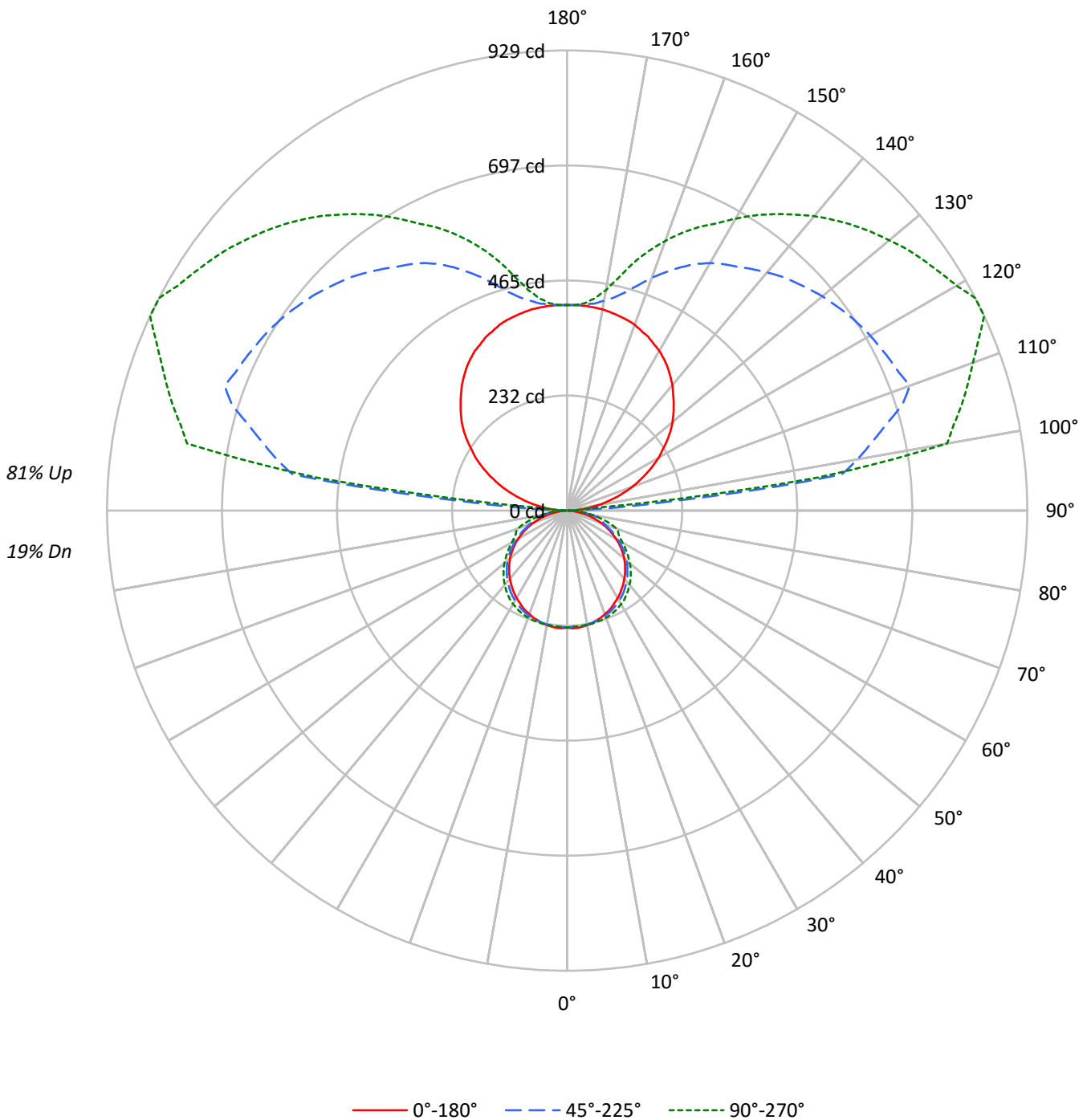
Input Watts (W): 35.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1908	1908	1908
5°	1927	1907	1903
10°	1925	1912	1921
15°	1916	1924	1945
20°	1912	1938	1978
25°	1909	1950	2005
30°	1903	1959	2031
35°	1895	1966	2052
40°	1892	1968	2064
45°	1892	1968	2073
50°	1889	1966	2075
55°	1872	1958	2073
60°	1842	1925	2073
65°	1788	1904	2189
70°	1714	1907	2488
75°	1578	2187	2505
80°	1381	2213	2450
85°	1093	2510	2797



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.5	0.6
10°-20°	65.3	1.6
20°-30°	101.3	2.5
30°-40°	125.3	3.1
40°-50°	133.6	3.3
50°-60°	124.5	3.0
60°-70°	101.4	2.5
70°-80°	69.8	1.7
80°-90°	27.4	0.7
90°-100°	240.9	5.9
100°-110°	616.7	15.1
110°-120°	638.2	15.6
120°-130°	568.5	13.9
130°-140°	473.5	11.6
140°-150°	360.5	8.8
150°-160°	242.5	5.9
160°-170°	131.4	3.2
170°-180°	40.3	1.0
0°-30°	189.1	4.6
0°-40°	314.4	7.7
0°-60°	572.5	14.0
0°-90°	771.2	18.9
90°-120°	1495.7	36.6
90°-150°	2898.2	71.0
90°-180°	3312.0	81.1
0°-180°	4083.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	236	236	236	236	236	
5°	238	237	235	236	235	23
15°	229	231	230	233	233	65
25°	214	216	219	224	225	99
35°	192	195	200	206	208	120
45°	166	168	172	178	182	128
55°	133	135	139	144	147	119
65°	94	96	100	109	115	93
75°	51	54	70	78	80	53
85°	12	22	27	30	30	14
90°	2	3	3	2	2	4
95°	34	268	197	33	33	34
105°	101	426	665	782	824	107
115°	176	440	720	890	929	175
125°	246	450	691	832	880	220
135°	304	462	652	774	815	235
145°	353	453	600	698	730	221
155°	387	431	542	611	632	178
165°	407	418	456	501	518	115
175°	415	415	418	419	420	40
180°	415	415	415	415	415	



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CATALOG NUMBER: J3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	236.3	236.3	236.3	236.3	236.3
2.5°	237.8	237.3	235.3	235.8	234.8
5°	237.8	236.8	235.3	235.8	234.8
7.5°	236.3	235.8	234.3	235.3	234.8
10°	234.8	234.3	233.2	234.8	234.3
12.5°	232.7	232.7	232.2	233.8	233.8
15°	229.2	230.7	230.2	232.7	232.7
17.5°	226.6	227.6	228.1	231.2	231.7
20°	222.5	224.5	225.6	228.6	230.2
22.5°	218.9	221.0	222.5	226.6	228.1
25°	214.3	216.4	218.9	223.5	225.1
27.5°	208.7	212.3	214.8	220.5	222.0
30°	204.1	206.6	210.2	215.9	217.9
32.5°	198.5	201.5	205.1	211.2	213.8
35°	192.3	195.4	199.5	206.1	208.2
37.5°	186.2	188.7	193.3	200.0	202.6
40°	179.5	182.1	186.7	193.9	195.9
42.5°	172.9	175.4	180.0	186.7	189.3
45°	165.7	168.3	172.4	178.5	181.6
47.5°	158.1	160.6	164.7	170.8	173.9
50°	150.4	152.4	156.5	162.1	165.2
52.5°	141.7	143.7	147.8	152.9	156.0
55°	133.0	135.0	139.1	143.7	147.3
57.5°	123.8	125.8	128.9	134.0	138.1
60°	114.1	116.1	119.2	124.8	128.4
62.5°	103.8	105.9	109.5	115.6	121.2
65°	93.6	95.7	99.7	108.9	114.6
67.5°	83.4	85.4	89.0	102.3	111.5
70°	72.6	74.7	80.8	99.2	105.4
72.5°	61.4	64.4	74.7	91.6	94.1
75°	50.6	53.7	70.1	78.3	80.3
77.5°	39.4	44.0	60.9	64.4	65.5
80°	29.7	36.3	47.6	52.2	52.7
82.5°	19.9	31.2	36.8	39.9	39.9
85°	11.8	21.5	27.1	30.2	30.2
87.5°	6.6	14.3	19.9	23.5	23.0
90°	1.5	2.6	2.6	2.0	2.0
92.5°	18.4	50.1	16.4	15.3	15.3
95°	34.3	268.0	197.4	33.2	33.2
97.5°	47.6	325.8	559.1	676.7	508.9
100°	65.0	390.8	594.9	733.0	779.0
102.5°	81.8	414.8	628.6	753.4	799.5
105°	101.3	425.6	664.9	782.1	824.5
107.5°	120.2	431.7	709.4	807.1	848.1
110°	139.6	434.8	736.0	836.3	871.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	157.5	437.3	725.8	870.1	898.7
115°	176.5	439.9	719.7	889.5	928.9
117.5°	194.9	441.4	712.5	869.5	928.9
120°	213.3	444.0	706.4	856.2	907.9
122.5°	228.6	447.0	699.2	844.5	893.6
125°	246.0	449.6	691.0	831.7	879.8
127.5°	262.9	452.2	681.8	818.4	866.0
130°	277.7	457.8	672.6	805.1	849.1
132.5°	291.0	460.9	662.4	789.2	832.7
135°	304.3	461.9	651.6	773.9	815.3
137.5°	317.1	461.4	640.9	756.5	795.9
140°	330.4	459.8	627.6	738.6	775.9
142.5°	342.2	456.8	614.3	718.7	753.4
145°	353.4	453.2	600.5	697.7	730.4
147.5°	363.2	447.6	589.8	675.2	706.9
150°	372.4	441.4	577.0	652.2	680.3
152.5°	379.0	435.8	561.1	630.2	653.7
155°	387.2	430.7	541.7	610.7	631.7
157.5°	392.3	426.6	521.2	586.7	607.1
160°	399.0	423.5	500.2	560.6	579.5
162.5°	403.6	420.5	477.2	531.4	549.9
165°	406.6	417.9	456.3	500.8	517.6
167.5°	409.7	416.9	440.9	468.5	481.8
170°	412.3	415.8	430.2	444.5	451.7
172.5°	413.8	415.3	421.5	429.1	432.7
175°	414.8	415.3	417.9	419.4	420.5
177.5°	415.3	415.3	415.3	414.8	415.3
180°	414.8	414.8	414.8	414.8	414.8

(END OF REPORT)