

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: P275021

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275021  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3624.2 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

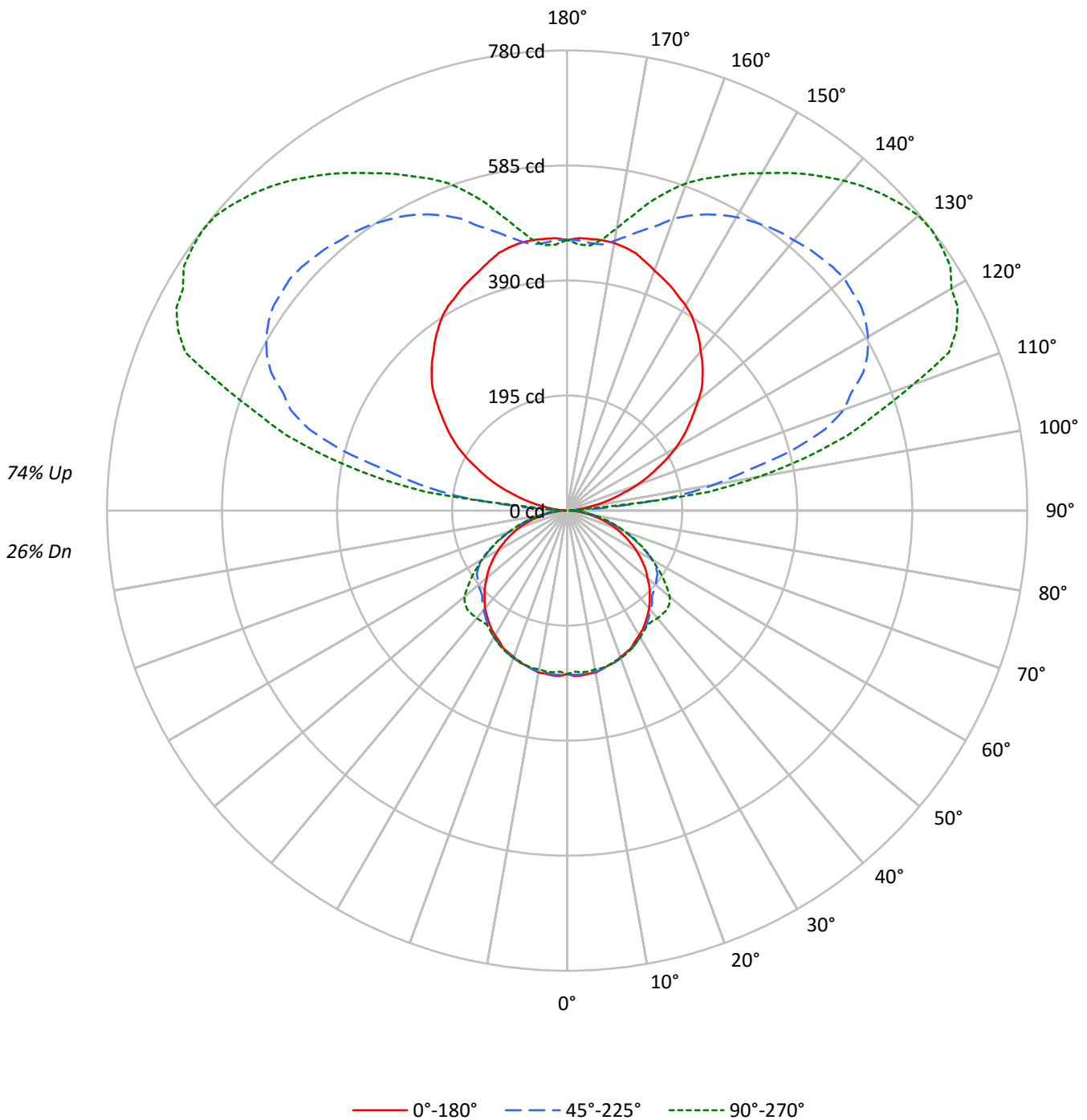
Input Watts (W): 28.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

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

	0°	45°	90°
0°	2236	2236	2236
5°	2274	2259	2229
10°	2285	2271	2240
15°	2269	2269	2269
20°	2269	2285	2285
25°	2287	2303	2303
30°	2275	2308	2308
35°	2278	2314	2332
40°	2281	2320	2513
45°	2262	2324	2723
50°	2234	2465	2856
55°	2220	2633	2788
60°	2191	2695	2695
65°	2138	2558	2592
70°	2077	2424	2469
75°	1946	2289	2346
80°	1790	2218	2134
85°	1695	2381	2038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	0.7
10°-20°	76.6	2.1
20°-30°	118.5	3.3
30°-40°	146.9	4.1
40°-50°	164.4	4.5
50°-60°	160.7	4.4
60°-70°	126.8	3.5
70°-80°	76.7	2.1
80°-90°	27.3	0.8
90°-100°	94.1	2.6
100°-110°	364.1	10.0
110°-120°	500.3	13.8
120°-130°	506.1	14.0
130°-140°	448.6	12.4
140°-150°	354.8	9.8
150°-160°	247.7	6.8
160°-170°	140.2	3.9
170°-180°	43.9	1.2
0°-30°	221.5	6.1
0°-40°	368.5	10.2
0°-60°	693.6	19.1
0°-90°	924.4	25.5
90°-120°	958.5	26.4
90°-150°	2268.0	62.6
90°-180°	2700.0	74.5
0°-180°	3624.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	277	277	277	277	277	
5°	281	277	279	277	275	27
15°	272	270	272	272	272	77
25°	257	253	259	259	259	118
35°	231	231	235	237	237	145
45°	198	200	204	229	238	153
55°	158	160	187	198	198	141
65°	112	117	134	136	136	110
75°	62	73	73	75	75	66
85°	18	29	26	24	22	19
90°	4	11	9	2	2	4
95°	15	73	88	18	18	18
105°	81	260	394	455	492	86
115°	167	352	554	686	728	166
125°	251	407	607	739	776	225
135°	325	448	607	726	758	250
145°	380	459	589	675	697	237
155°	418	448	554	614	626	193
165°	451	449	492	534	541	127
175°	462	457	455	455	451	44
180°	459	459	459	459	459	



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CATALOG NUMBER: J3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	277.0	277.0	277.0	277.0	277.0
2.5°	280.6	277.0	278.8	277.0	273.3
5°	280.6	277.0	278.8	277.0	275.1
7.5°	278.8	277.0	277.0	275.1	275.1
10°	278.8	275.1	277.0	275.1	273.3
12.5°	275.1	273.3	275.1	273.3	273.3
15°	271.5	269.6	271.5	271.5	271.5
17.5°	269.6	266.0	269.6	269.6	267.8
20°	264.1	262.3	266.0	266.0	266.0
22.5°	260.5	258.6	262.3	262.3	262.3
25°	256.8	253.1	258.6	258.6	258.6
27.5°	249.5	249.5	253.1	255.0	253.1
30°	244.0	242.1	247.6	249.5	247.6
32.5°	238.5	236.6	242.1	244.0	242.1
35°	231.1	231.1	234.8	236.6	236.6
37.5°	223.8	223.8	227.4	229.3	236.6
40°	216.4	216.4	220.1	231.1	238.5
42.5°	207.3	207.3	212.8	229.3	238.5
45°	198.1	199.9	203.6	229.3	238.5
47.5°	188.9	190.8	199.9	227.4	234.8
50°	177.9	181.6	196.3	221.9	227.4
52.5°	168.8	170.6	190.8	212.8	212.8
55°	157.7	159.6	187.1	198.1	198.1
57.5°	146.7	148.6	177.9	181.6	181.6
60°	135.7	137.6	166.9	166.9	166.9
62.5°	122.9	126.6	150.4	152.2	152.2
65°	111.9	117.4	133.9	135.7	135.7
67.5°	99.1	108.2	119.2	121.1	121.1
70°	88.0	99.1	102.7	104.6	104.6
72.5°	75.2	86.2	88.0	89.9	89.9
75°	62.4	73.4	73.4	75.2	75.2
77.5°	49.5	58.7	60.5	60.5	60.5
80°	38.5	44.0	47.7	45.9	45.9
82.5°	27.5	34.9	34.9	34.9	33.0
85°	18.3	29.3	25.7	23.8	22.0
87.5°	11.0	25.7	14.7	12.8	12.8
90°	3.7	11.0	9.2	1.8	1.8
92.5°	7.3	18.3	9.2	7.3	5.5
95°	14.7	73.4	88.0	18.3	18.3
97.5°	27.5	122.9	188.9	223.8	240.3
100°	42.2	183.4	253.1	310.0	330.2
102.5°	60.5	221.9	311.8	383.4	412.7
105°	80.7	260.5	394.4	454.9	491.6
107.5°	100.9	289.8	458.6	526.4	552.1
110°	124.7	313.7	498.9	616.3	623.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	146.7	332.0	520.9	660.3	700.7
115°	166.9	352.2	553.9	686.0	728.2
117.5°	190.8	366.9	574.1	700.7	746.5
120°	212.8	379.7	588.8	719.0	752.0
122.5°	233.0	394.4	599.8	733.7	770.4
125°	251.3	407.2	607.1	739.2	775.9
127.5°	269.6	418.2	609.0	741.0	779.6
130°	289.8	429.2	612.6	739.2	777.7
132.5°	310.0	440.2	610.8	733.7	768.6
135°	324.7	447.6	607.1	726.4	757.6
137.5°	339.3	453.1	603.5	715.4	744.7
140°	352.2	456.7	598.0	702.5	730.0
142.5°	366.9	458.6	594.3	689.7	713.5
145°	379.7	458.6	588.8	675.0	697.0
147.5°	392.5	456.7	581.5	660.3	678.7
150°	401.7	453.1	574.1	645.7	660.3
152.5°	409.0	449.4	565.0	629.2	643.8
155°	418.2	447.6	553.9	614.5	625.5
157.5°	425.5	447.6	541.1	598.0	609.0
160°	432.9	447.6	526.4	581.5	590.6
162.5°	442.1	447.6	506.3	557.6	566.8
165°	451.2	449.4	491.6	533.8	541.1
167.5°	456.7	449.4	476.9	504.4	511.8
170°	460.4	453.1	464.1	484.2	486.1
172.5°	462.2	456.7	454.9	464.1	464.1
175°	462.2	456.7	454.9	454.9	451.2
177.5°	462.2	458.6	458.6	456.7	451.2
180°	458.6	458.6	458.6	458.6	458.6

(END OF REPORT)