

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: P275008

Luminaire Tested: **J3-CL-40L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-40L82765-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 3628.1 lumens  
Efficiency: N/A  
Efficacy: 131.0 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

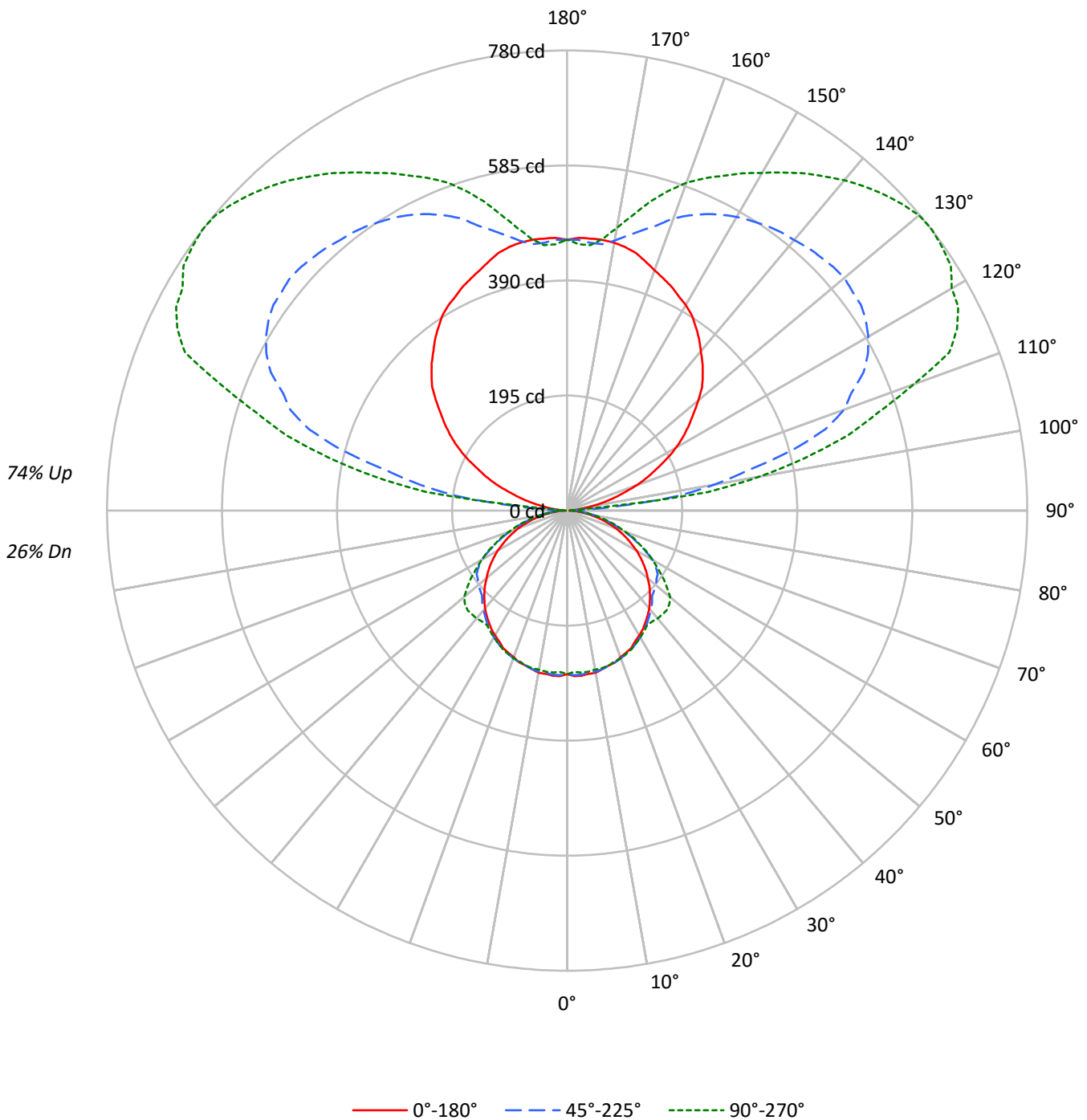
Input Watts (W): 27.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2239	2239	2239
5°	2276	2262	2232
10°	2288	2273	2243
15°	2272	2272	2272
20°	2271	2288	2288
25°	2290	2306	2306
30°	2276	2311	2311
35°	2281	2316	2335
40°	2284	2322	2516
45°	2264	2327	2725
50°	2237	2468	2860
55°	2222	2636	2791
60°	2194	2698	2698
65°	2139	2560	2596
70°	2079	2426	2471
75°	1946	2289	2349
80°	1795	2218	2134
85°	1704	2381	2038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	0.7
10°-20°	76.7	2.1
20°-30°	118.6	3.3
30°-40°	147.1	4.1
40°-50°	164.6	4.5
50°-60°	160.9	4.4
60°-70°	126.9	3.5
70°-80°	76.8	2.1
80°-90°	27.4	0.8
90°-100°	94.2	2.6
100°-110°	364.4	10.0
110°-120°	500.8	13.8
120°-130°	506.7	14.0
130°-140°	449.1	12.4
140°-150°	355.2	9.8
150°-160°	248.0	6.8
160°-170°	140.3	3.9
170°-180°	44.0	1.2
0°-30°	221.8	6.1
0°-40°	368.9	10.2
0°-60°	694.3	19.1
0°-90°	925.4	25.5
90°-120°	959.5	26.4
90°-150°	2270.4	62.6
90°-180°	2703.0	74.5
0°-180°	3628.1	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	230	239	153
55°	158	160	187	198	198	141
65°	112	118	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	261	395	455	492	86
115°	167	353	554	687	729	167
125°	252	408	608	740	777	225
135°	325	448	608	727	758	250
145°	380	459	589	676	698	238
155°	419	448	554	615	626	193
165°	452	450	492	534	542	127
175°	463	457	455	455	452	44
180°	459	459	459	459	459	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	277.3	277.3	277.3	277.3	277.3
2.5°	280.9	277.3	279.1	277.3	273.6
5°	280.9	277.3	279.1	277.3	275.4
7.5°	279.1	277.3	277.3	275.4	275.4
10°	279.1	275.4	277.3	275.4	273.6
12.5°	275.4	273.6	275.4	273.6	273.6
15°	271.8	269.9	271.8	271.8	271.8
17.5°	269.9	266.3	269.9	269.9	268.1
20°	264.4	262.6	266.3	266.3	266.3
22.5°	260.7	258.9	262.6	262.6	262.6
25°	257.1	253.4	258.9	258.9	258.9
27.5°	249.7	249.7	253.4	255.2	253.4
30°	244.2	242.4	247.9	249.7	247.9
32.5°	238.7	236.9	242.4	244.2	242.4
35°	231.4	231.4	235.0	236.9	236.9
37.5°	224.0	224.0	227.7	229.5	236.9
40°	216.7	216.7	220.3	231.4	238.7
42.5°	207.5	207.5	213.0	229.5	238.7
45°	198.3	200.1	203.8	229.5	238.7
47.5°	189.1	191.0	200.1	227.7	235.0
50°	178.1	181.8	196.5	222.2	227.7
52.5°	168.9	170.8	191.0	213.0	213.0
55°	157.9	159.8	187.3	198.3	198.3
57.5°	146.9	148.7	178.1	181.8	181.8
60°	135.9	137.7	167.1	167.1	167.1
62.5°	123.0	126.7	150.6	152.4	152.4
65°	112.0	117.5	134.0	135.9	135.9
67.5°	99.2	108.3	119.4	121.2	121.2
70°	88.1	99.2	102.8	104.7	104.7
72.5°	75.3	86.3	88.1	90.0	90.0
75°	62.4	73.4	73.4	75.3	75.3
77.5°	49.6	58.8	60.6	60.6	60.6
80°	38.6	44.1	47.7	45.9	45.9
82.5°	27.5	34.9	34.9	34.9	33.1
85°	18.4	29.4	25.7	23.9	22.0
87.5°	11.0	25.7	14.7	12.9	12.9
90°	3.7	11.0	9.2	1.8	1.8
92.5°	7.3	18.4	9.2	7.3	5.5
95°	14.7	73.4	88.1	18.4	18.4
97.5°	27.5	123.0	189.1	224.0	240.5
100°	42.2	183.6	253.4	310.3	330.5
102.5°	60.6	222.2	312.2	383.8	413.1
105°	80.8	260.7	394.8	455.4	492.1
107.5°	101.0	290.1	459.1	527.0	552.7
110°	124.9	314.0	499.5	617.0	624.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	146.9	332.4	521.5	661.0	701.4
115°	167.1	352.6	554.5	686.7	729.0
117.5°	191.0	367.2	574.7	701.4	747.3
120°	213.0	380.1	589.4	719.8	752.8
122.5°	233.2	394.8	600.4	734.5	771.2
125°	251.6	407.6	607.8	740.0	776.7
127.5°	269.9	418.7	609.6	741.8	780.4
130°	290.1	429.7	613.3	740.0	778.6
132.5°	310.3	440.7	611.5	734.5	769.4
135°	325.0	448.0	607.8	727.1	758.4
137.5°	339.7	453.5	604.1	716.1	745.5
140°	352.6	457.2	598.6	703.3	730.8
142.5°	367.2	459.1	594.9	690.4	714.3
145°	380.1	459.1	589.4	675.7	697.8
147.5°	393.0	457.2	582.1	661.0	679.4
150°	402.1	453.5	574.7	646.3	661.0
152.5°	409.5	449.9	565.6	629.8	644.5
155°	418.7	448.0	554.5	615.1	626.1
157.5°	426.0	448.0	541.7	598.6	609.6
160°	433.3	448.0	527.0	582.1	591.3
162.5°	442.5	448.0	506.8	558.2	567.4
165°	451.7	449.9	492.1	534.3	541.7
167.5°	457.2	449.9	477.4	505.0	512.3
170°	460.9	453.5	464.6	484.8	486.6
172.5°	462.7	457.2	455.4	464.6	464.6
175°	462.7	457.2	455.4	455.4	451.7
177.5°	462.7	459.1	459.1	457.2	451.7
180°	459.1	459.1	459.1	459.1	459.1

(END OF REPORT)