

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: P275022

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275022  
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-40L92765-1D-UNV-W2A-W-4 (6500K)  
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 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3647.3 lumens  
Efficiency: N/A  
Efficacy: 124.9 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

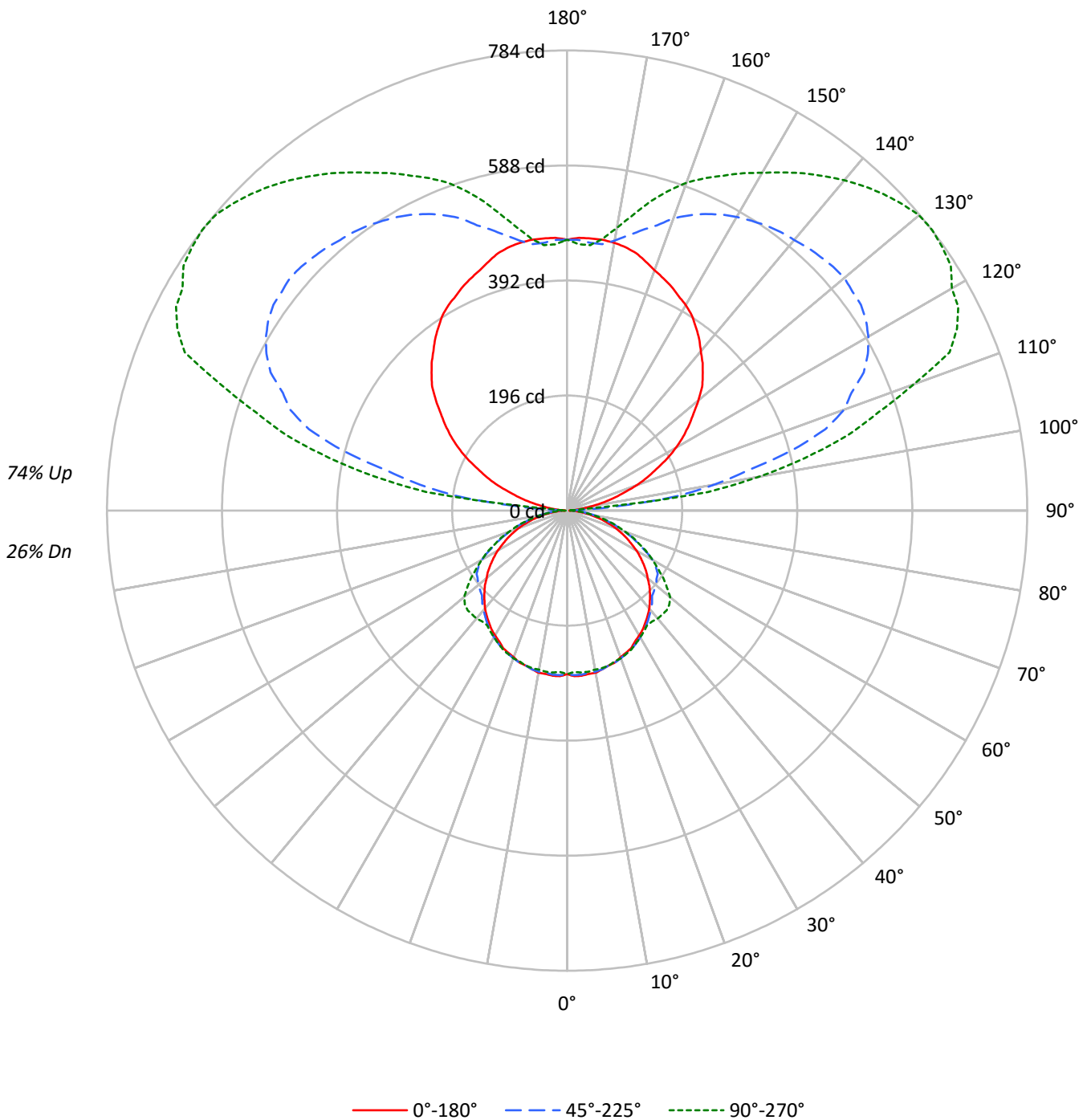
Input Watts (W): 29.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2250	2250	2250
5°	2289	2274	2244
10°	2300	2285	2254
15°	2283	2283	2283
20°	2284	2300	2300
25°	2302	2319	2319
30°	2289	2323	2323
35°	2292	2329	2347
40°	2295	2334	2529
45°	2277	2339	2740
50°	2249	2480	2875
55°	2235	2650	2807
60°	2206	2713	2713
65°	2151	2575	2609
70°	2091	2441	2483
75°	1959	2302	2361
80°	1804	2232	2143
85°	1714	2390	2056



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.6	0.7
10°-20°	77.1	2.1
20°-30°	119.2	3.3
30°-40°	147.9	4.1
40°-50°	165.5	4.5
50°-60°	161.7	4.4
60°-70°	127.6	3.5
70°-80°	77.2	2.1
80°-90°	27.5	0.8
90°-100°	94.7	2.6
100°-110°	366.4	10.0
110°-120°	503.5	13.8
120°-130°	509.4	14.0
130°-140°	451.4	12.4
140°-150°	357.0	9.8
150°-160°	249.3	6.8
160°-170°	141.1	3.9
170°-180°	44.2	1.2
0°-30°	222.9	6.1
0°-40°	370.8	10.2
0°-60°	698.0	19.1
0°-90°	930.3	25.5
90°-120°	964.6	26.4
90°-150°	2282.4	62.6
90°-180°	2717.0	74.5
0°-180°	3647.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	279	279	279	279	279	
5°	282	279	281	279	277	27
15°	273	271	273	273	273	77
25°	258	255	260	260	260	119
35°	233	233	236	238	238	146
45°	199	201	205	231	240	154
55°	159	161	188	199	199	142
65°	113	118	135	137	137	111
75°	63	74	74	76	76	66
85°	18	30	26	24	22	19
90°	4	11	9	2	2	4
95°	15	74	89	18	18	18
105°	81	262	397	458	495	86
115°	168	354	558	690	733	168
125°	253	410	611	744	781	226
135°	327	450	611	731	762	252
145°	382	462	592	679	702	239
155°	421	450	558	618	630	194
165°	454	452	495	537	545	128
175°	465	460	458	458	454	44
180°	462	462	462	462	462	



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CATALOG NUMBER: J3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	278.7	278.7	278.7	278.7	278.7
2.5°	282.4	278.7	280.6	278.7	275.0
5°	282.4	278.7	280.6	278.7	276.9
7.5°	280.6	278.7	278.7	276.9	276.9
10°	280.6	276.9	278.7	276.9	275.0
12.5°	276.9	275.0	276.9	275.0	275.0
15°	273.2	271.4	273.2	273.2	273.2
17.5°	271.4	267.7	271.4	271.4	269.5
20°	265.8	264.0	267.7	267.7	267.7
22.5°	262.1	260.3	264.0	264.0	264.0
25°	258.4	254.7	260.3	260.3	260.3
27.5°	251.0	251.0	254.7	256.6	254.7
30°	245.5	243.7	249.2	251.0	249.2
32.5°	240.0	238.1	243.7	245.5	243.7
35°	232.6	232.6	236.3	238.1	238.1
37.5°	225.2	225.2	228.9	230.7	238.1
40°	217.8	217.8	221.5	232.6	240.0
42.5°	208.6	208.6	214.1	230.7	240.0
45°	199.4	201.2	204.9	230.7	240.0
47.5°	190.1	192.0	201.2	228.9	236.3
50°	179.1	182.7	197.5	223.4	228.9
52.5°	169.8	171.7	192.0	214.1	214.1
55°	158.8	160.6	188.3	199.4	199.4
57.5°	147.7	149.5	179.1	182.7	182.7
60°	136.6	138.4	168.0	168.0	168.0
62.5°	123.7	127.4	151.4	153.2	153.2
65°	112.6	118.1	134.8	136.6	136.6
67.5°	99.7	108.9	120.0	121.8	121.8
70°	88.6	99.7	103.4	105.2	105.2
72.5°	75.7	86.8	88.6	90.5	90.5
75°	62.8	73.8	73.8	75.7	75.7
77.5°	49.8	59.1	60.9	60.9	60.9
80°	38.8	44.3	48.0	46.1	46.1
82.5°	27.7	35.1	35.1	35.1	33.2
85°	18.5	29.5	25.8	24.0	22.2
87.5°	11.1	25.8	14.8	12.9	12.9
90°	3.7	11.1	9.2	1.8	1.8
92.5°	7.4	18.5	9.2	7.4	5.5
95°	14.8	73.8	88.6	18.5	18.5
97.5°	27.7	123.7	190.1	225.2	241.8
100°	42.5	184.6	254.7	312.0	332.3
102.5°	60.9	223.4	313.8	385.8	415.3
105°	81.2	262.1	396.9	457.8	494.7
107.5°	101.5	291.7	461.5	529.8	555.6
110°	125.5	315.7	502.1	620.2	627.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	147.7	334.1	524.2	664.5	705.1
115°	168.0	354.4	557.5	690.4	732.8
117.5°	192.0	369.2	577.8	705.1	751.3
120°	214.1	382.1	592.5	723.6	756.8
122.5°	234.4	396.9	603.6	738.4	775.3
125°	252.9	409.8	611.0	743.9	780.8
127.5°	271.4	420.9	612.9	745.8	784.5
130°	291.7	431.9	616.5	743.9	782.7
132.5°	312.0	443.0	614.7	738.4	773.4
135°	326.7	450.4	611.0	731.0	762.4
137.5°	341.5	455.9	607.3	719.9	749.5
140°	354.4	459.6	601.8	707.0	734.7
142.5°	369.2	461.5	598.1	694.1	718.1
145°	382.1	461.5	592.5	679.3	701.5
147.5°	395.0	459.6	585.2	664.5	683.0
150°	404.3	455.9	577.8	649.8	664.5
152.5°	411.6	452.3	568.5	633.2	647.9
155°	420.9	450.4	557.5	618.4	629.5
157.5°	428.3	450.4	544.6	601.8	612.9
160°	435.6	450.4	529.8	585.2	594.4
162.5°	444.9	450.4	509.5	561.2	570.4
165°	454.1	452.3	494.7	537.2	544.6
167.5°	459.6	452.3	479.9	507.6	515.0
170°	463.3	455.9	467.0	487.3	489.2
172.5°	465.2	459.6	457.8	467.0	467.0
175°	465.2	459.6	457.8	457.8	454.1
177.5°	465.2	461.5	461.5	459.6	454.1
180°	461.5	461.5	461.5	461.5	461.5

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