

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: P275020

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275020  
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 (5000K)  
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 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3551.2 lumens  
Efficiency: N/A  
Efficacy: 124.6 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

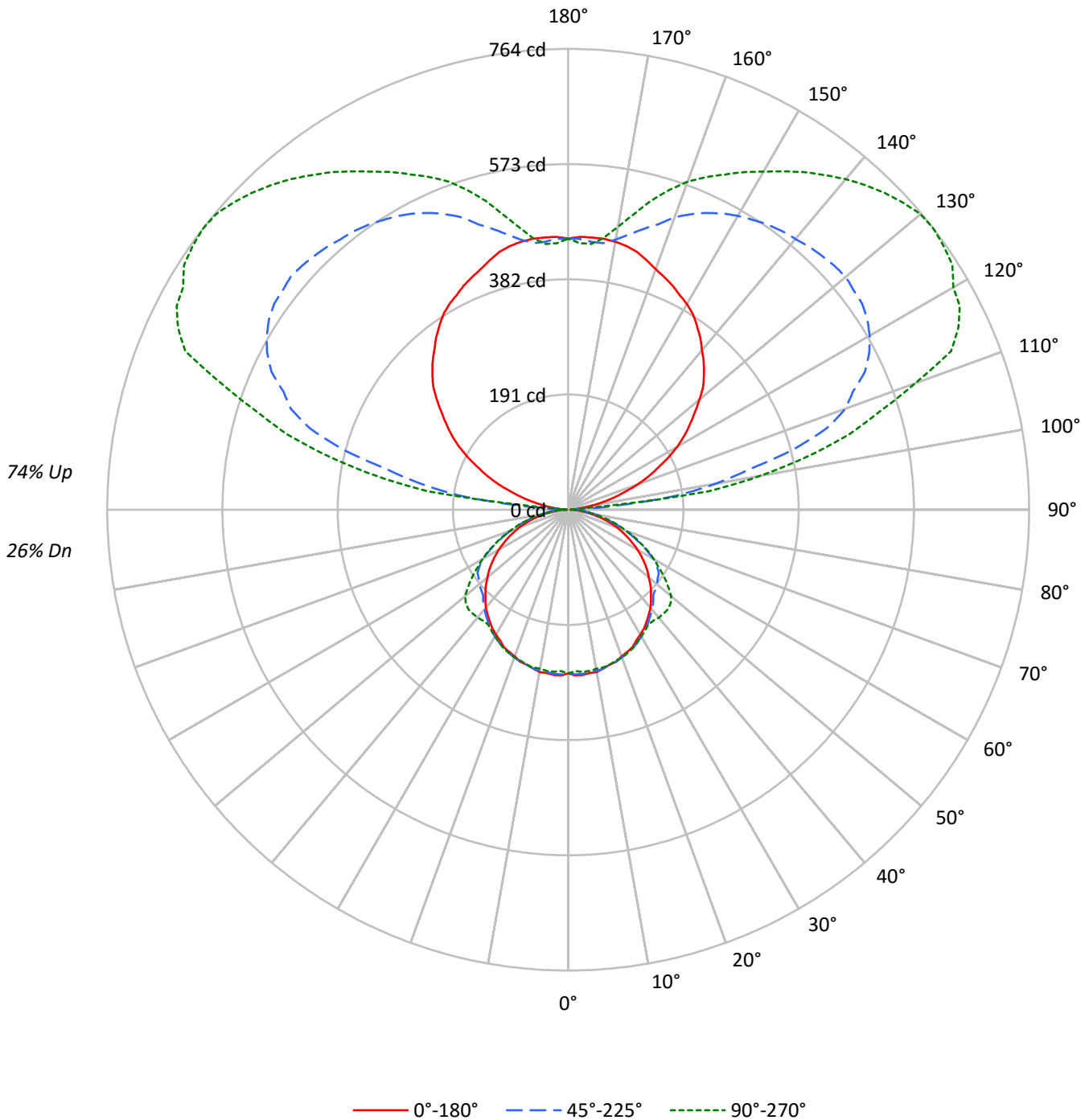
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2191	2191	2191
5°	2229	2214	2185
10°	2240	2225	2195
15°	2223	2223	2223
20°	2223	2239	2239
25°	2241	2257	2257
30°	2228	2261	2261
35°	2232	2268	2285
40°	2235	2273	2463
45°	2216	2278	2668
50°	2189	2415	2799
55°	2176	2580	2732
60°	2147	2641	2641
65°	2094	2506	2541
70°	2037	2375	2417
75°	1906	2243	2299
80°	1753	2171	2087
85°	1667	2334	2001



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.9	0.7
10°-20°	75.1	2.1
20°-30°	116.1	3.3
30°-40°	144.0	4.1
40°-50°	161.1	4.5
50°-60°	157.4	4.4
60°-70°	124.2	3.5
70°-80°	75.2	2.1
80°-90°	26.8	0.8
90°-100°	92.2	2.6
100°-110°	356.7	10.0
110°-120°	490.2	13.8
120°-130°	495.9	14.0
130°-140°	439.5	12.4
140°-150°	347.6	9.8
150°-160°	242.7	6.8
160°-170°	137.4	3.9
170°-180°	43.1	1.2
0°-30°	217.1	6.1
0°-40°	361.1	10.2
0°-60°	679.6	19.1
0°-90°	905.8	25.5
90°-120°	939.2	26.4
90°-150°	2222.3	62.6
90°-180°	2645.0	74.5
0°-180°	3551.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	271	271	271	271	271	
5°	275	271	273	271	270	26
15°	266	264	266	266	266	75
25°	252	248	253	253	253	115
35°	226	226	230	232	232	142
45°	194	196	200	225	234	150
55°	155	156	183	194	194	138
65°	110	115	131	133	133	108
75°	61	72	72	74	74	65
85°	18	29	25	23	22	19
90°	4	11	9	2	2	3
95°	14	72	86	18	18	18
105°	79	255	386	446	482	84
115°	164	345	543	672	714	163
125°	246	399	595	724	760	220
135°	318	438	595	712	742	245
145°	372	449	577	661	683	233
155°	410	438	543	602	613	189
165°	442	440	482	523	530	124
175°	453	448	446	446	442	43
180°	449	449	449	449	449	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	271.4	271.4	271.4	271.4	271.4
2.5°	275.0	271.4	273.2	271.4	267.8
5°	275.0	271.4	273.2	271.4	269.6
7.5°	273.2	271.4	271.4	269.6	269.6
10°	273.2	269.6	271.4	269.6	267.8
12.5°	269.6	267.8	269.6	267.8	267.8
15°	266.0	264.2	266.0	266.0	266.0
17.5°	264.2	260.6	264.2	264.2	262.4
20°	258.8	257.0	260.6	260.6	260.6
22.5°	255.2	253.4	257.0	257.0	257.0
25°	251.6	248.0	253.4	253.4	253.4
27.5°	244.4	244.4	248.0	249.8	248.0
30°	239.0	237.2	242.6	244.4	242.6
32.5°	233.7	231.9	237.2	239.0	237.2
35°	226.5	226.5	230.1	231.9	231.9
37.5°	219.3	219.3	222.9	224.7	231.9
40°	212.1	212.1	215.7	226.5	233.7
42.5°	203.1	203.1	208.5	224.7	233.7
45°	194.1	195.9	199.5	224.7	233.7
47.5°	185.1	186.9	195.9	222.9	230.1
50°	174.3	177.9	192.3	217.5	222.9
52.5°	165.4	167.1	186.9	208.5	208.5
55°	154.6	156.4	183.3	194.1	194.1
57.5°	143.8	145.6	174.3	177.9	177.9
60°	133.0	134.8	163.6	163.6	163.6
62.5°	120.4	124.0	147.4	149.2	149.2
65°	109.6	115.0	131.2	133.0	133.0
67.5°	97.1	106.0	116.8	118.6	118.6
70°	86.3	97.1	100.6	102.4	102.4
72.5°	73.7	84.5	86.3	88.1	88.1
75°	61.1	71.9	71.9	73.7	73.7
77.5°	48.5	57.5	59.3	59.3	59.3
80°	37.7	43.1	46.7	44.9	44.9
82.5°	27.0	34.1	34.1	34.1	32.4
85°	18.0	28.8	25.2	23.4	21.6
87.5°	10.8	25.2	14.4	12.6	12.6
90°	3.6	10.8	9.0	1.8	1.8
92.5°	7.2	18.0	9.0	7.2	5.4
95°	14.4	71.9	86.3	18.0	18.0
97.5°	27.0	120.4	185.1	219.3	235.4
100°	41.3	179.7	248.0	303.7	323.5
102.5°	59.3	217.5	305.5	375.6	404.4
105°	79.1	255.2	386.4	445.7	481.7
107.5°	98.9	284.0	449.3	515.8	541.0
110°	122.2	307.3	488.9	603.9	611.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	143.8	325.3	510.4	647.0	686.6
115°	163.6	345.1	542.8	672.2	713.5
117.5°	186.9	359.5	562.6	686.6	731.5
120°	208.5	372.0	576.9	704.5	736.9
122.5°	228.3	386.4	587.7	718.9	754.9
125°	246.2	399.0	594.9	724.3	760.3
127.5°	264.2	409.8	596.7	726.1	763.9
130°	284.0	420.6	600.3	724.3	762.1
132.5°	303.7	431.4	598.5	718.9	753.1
135°	318.1	438.5	594.9	711.7	742.3
137.5°	332.5	443.9	591.3	701.0	729.7
140°	345.1	447.5	585.9	688.4	715.3
142.5°	359.5	449.3	582.3	675.8	699.2
145°	372.0	449.3	576.9	661.4	683.0
147.5°	384.6	447.5	569.7	647.0	665.0
150°	393.6	443.9	562.6	632.7	647.0
152.5°	400.8	440.3	553.6	616.5	630.9
155°	409.8	438.5	542.8	602.1	612.9
157.5°	417.0	438.5	530.2	585.9	596.7
160°	424.2	438.5	515.8	569.7	578.7
162.5°	433.2	438.5	496.1	546.4	555.4
165°	442.1	440.3	481.7	523.0	530.2
167.5°	447.5	440.3	467.3	494.3	501.4
170°	451.1	443.9	454.7	474.5	476.3
172.5°	452.9	447.5	445.7	454.7	454.7
175°	452.9	447.5	445.7	445.7	442.1
177.5°	452.9	449.3	449.3	447.5	442.1
180°	449.3	449.3	449.3	449.3	449.3

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