

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: P275067

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275067  
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-80L92765-1D-UNV-W2A-W-4 (4500K)  
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 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6927.6 lumens  
Efficiency: N/A  
Efficacy: 109.1 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

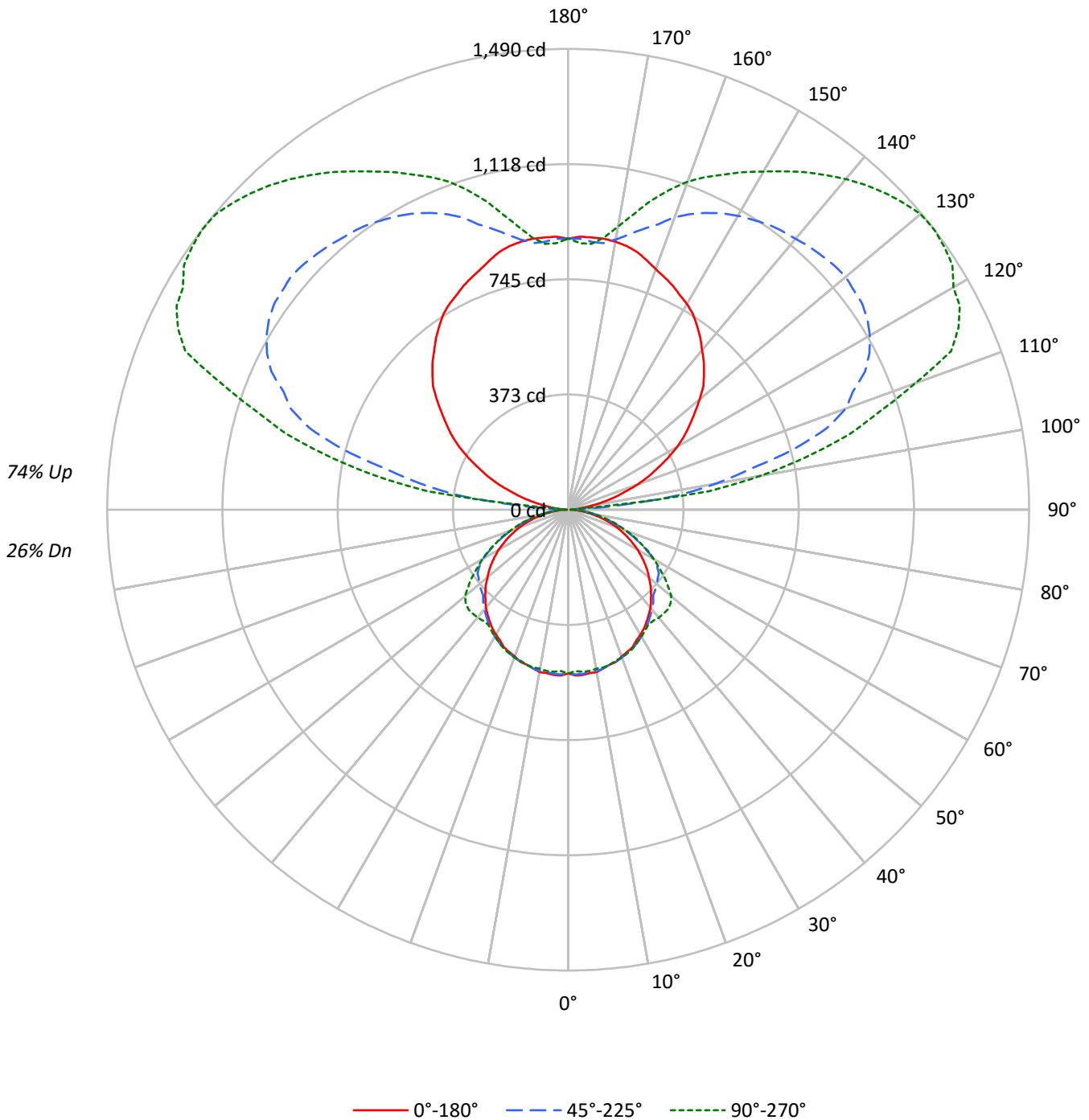
Input Watts (W): 63.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	4274	4274	4274
5°	4347	4319	4262
10°	4368	4340	4282
15°	4337	4337	4337
20°	4338	4368	4368
25°	4373	4404	4404
30°	4347	4412	4412
35°	4354	4423	4458
40°	4360	4434	4803
45°	4324	4443	5204
50°	4271	4712	5461
55°	4244	5033	5330
60°	4190	5152	5152
65°	4086	4888	4957
70°	3973	4633	4716
75°	3718	4373	4485
80°	3422	4240	4077
85°	3251	4548	3900



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.5	0.7
10°-20°	146.5	2.1
20°-30°	226.5	3.3
30°-40°	280.9	4.1
40°-50°	314.3	4.5
50°-60°	307.1	4.4
60°-70°	242.3	3.5
70°-80°	146.6	2.1
80°-90°	52.2	0.8
90°-100°	179.9	2.6
100°-110°	695.9	10.0
110°-120°	956.3	13.8
120°-130°	967.5	14.0
130°-140°	857.4	12.4
140°-150°	678.1	9.8
150°-160°	473.5	6.8
160°-170°	268.0	3.9
170°-180°	84.0	1.2
0°-30°	423.5	6.1
0°-40°	704.3	10.2
0°-60°	1325.8	19.1
0°-90°	1766.9	25.5
90°-120°	1832.1	26.4
90°-150°	4335.2	62.6
90°-180°	5161.0	74.5
0°-180°	6927.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	536	529	533	529	526	51
15°	519	515	519	519	519	147
25°	491	484	494	494	494	225
35°	442	442	449	452	452	277
45°	379	382	389	438	456	292
55°	302	305	358	379	379	269
65°	214	224	256	260	260	211
75°	119	140	140	144	144	126
85°	35	56	49	46	42	37
90°	7	21	18	4	4	7
95°	28	140	168	35	35	35
105°	154	498	754	870	940	164
115°	319	673	1059	1311	1392	318
125°	480	778	1160	1413	1483	430
135°	621	856	1160	1388	1448	478
145°	726	876	1126	1290	1332	454
155°	799	856	1059	1175	1196	369
165°	862	859	940	1020	1034	243
175°	884	873	870	870	862	84
180°	876	876	876	876	876	



TEST NUMBER: P275067

CATALOG NUMBER: J3-CL-80L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	529.4	529.4	529.4	529.4	529.4
2.5°	536.4	529.4	532.9	529.4	522.4
5°	536.4	529.4	532.9	529.4	525.9
7.5°	532.9	529.4	529.4	525.9	525.9
10°	532.9	525.9	529.4	525.9	522.4
12.5°	525.9	522.4	525.9	522.4	522.4
15°	518.9	515.4	518.9	518.9	518.9
17.5°	515.4	508.4	515.4	515.4	511.9
20°	504.9	501.4	508.4	508.4	508.4
22.5°	497.9	494.4	501.4	501.4	501.4
25°	490.9	483.8	494.4	494.4	494.4
27.5°	476.8	476.8	483.8	487.4	483.8
30°	466.3	462.8	473.3	476.8	473.3
32.5°	455.8	452.3	462.8	466.3	462.8
35°	441.8	441.8	448.8	452.3	452.3
37.5°	427.7	427.7	434.8	438.3	452.3
40°	413.7	413.7	420.7	441.8	455.8
42.5°	396.2	396.2	406.7	438.3	455.8
45°	378.7	382.2	389.2	438.3	455.8
47.5°	361.1	364.6	382.2	434.8	448.8
50°	340.1	347.1	375.2	424.2	434.8
52.5°	322.6	326.1	364.6	406.7	406.7
55°	301.5	305.0	357.6	378.7	378.7
57.5°	280.5	284.0	340.1	347.1	347.1
60°	259.5	263.0	319.1	319.1	319.1
62.5°	234.9	241.9	287.5	291.0	291.0
65°	213.9	224.4	255.9	259.5	259.5
67.5°	189.3	206.9	227.9	231.4	231.4
70°	168.3	189.3	196.3	199.8	199.8
72.5°	143.8	164.8	168.3	171.8	171.8
75°	119.2	140.2	140.2	143.8	143.8
77.5°	94.7	112.2	115.7	115.7	115.7
80°	73.6	84.1	91.2	87.7	87.7
82.5°	52.6	66.6	66.6	66.6	63.1
85°	35.1	56.1	49.1	45.6	42.1
87.5°	21.0	49.1	28.0	24.5	24.5
90°	7.0	21.0	17.5	3.5	3.5
92.5°	14.0	35.1	17.5	14.0	10.5
95°	28.0	140.2	168.3	35.1	35.1
97.5°	52.6	234.9	361.1	427.7	459.3
100°	80.6	350.6	483.8	592.5	631.1
102.5°	115.7	424.2	596.0	732.8	788.9
105°	154.3	497.9	753.8	869.5	939.6
107.5°	192.8	554.0	876.5	1006.3	1055.3
110°	238.4	599.5	953.7	1178.1	1192.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	280.5	634.6	995.7	1262.2	1339.3
115°	319.1	673.2	1058.9	1311.3	1391.9
117.5°	364.6	701.2	1097.4	1339.3	1427.0
120°	406.7	725.8	1125.5	1374.4	1437.5
122.5°	445.3	753.8	1146.5	1402.5	1472.6
125°	480.3	778.4	1160.5	1413.0	1483.1
127.5°	515.4	799.4	1164.0	1416.5	1490.1
130°	554.0	820.4	1171.0	1413.0	1486.6
132.5°	592.5	841.5	1167.5	1402.5	1469.1
135°	620.6	855.5	1160.5	1388.4	1448.0
137.5°	648.6	866.0	1153.5	1367.4	1423.5
140°	673.2	873.0	1143.0	1342.8	1395.4
142.5°	701.2	876.5	1136.0	1318.3	1363.9
145°	725.8	876.5	1125.5	1290.3	1332.3
147.5°	750.3	873.0	1111.4	1262.2	1297.3
150°	767.8	866.0	1097.4	1234.2	1262.2
152.5°	781.9	859.0	1079.9	1202.6	1230.7
155°	799.4	855.5	1058.9	1174.6	1195.6
157.5°	813.4	855.5	1034.3	1143.0	1164.0
160°	827.4	855.5	1006.3	1111.4	1129.0
162.5°	845.0	855.5	967.7	1065.9	1083.4
165°	862.5	859.0	939.6	1020.3	1034.3
167.5°	873.0	859.0	911.6	964.2	978.2
170°	880.0	866.0	887.1	925.6	929.1
172.5°	883.5	873.0	869.5	887.1	887.1
175°	883.5	873.0	869.5	869.5	862.5
177.5°	883.5	876.5	876.5	873.0	862.5
180°	876.5	876.5	876.5	876.5	876.5

(END OF REPORT)