

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: P275064

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275064  
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 (3000K)  
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 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6231.8 lumens  
Efficiency: N/A  
Efficacy: 101.0 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

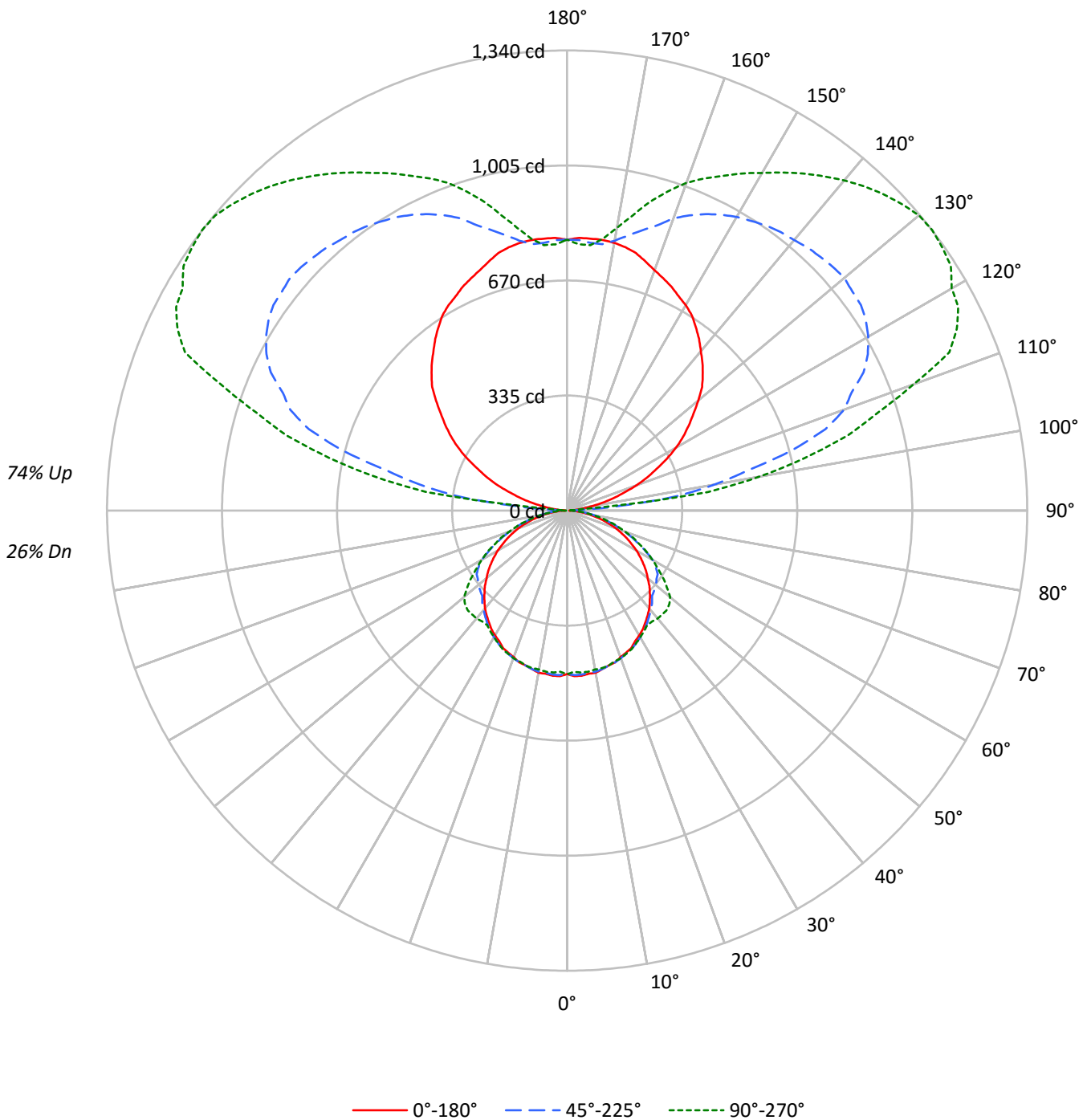
Input Watts (W): 61.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3844	3844	3844
5°	3911	3885	3834
10°	3930	3904	3852
15°	3901	3901	3901
20°	3902	3929	3929
25°	3934	3961	3961
30°	3911	3969	3969
35°	3916	3979	4010
40°	3922	3989	4321
45°	3889	3997	4681
50°	3842	4239	4912
55°	3817	4528	4794
60°	3768	4634	4634
65°	3675	4397	4458
70°	3574	4168	4244
75°	3344	3936	4033
80°	3078	3812	3663
85°	2918	4094	3501



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.4	0.7
10°-20°	131.8	2.1
20°-30°	203.7	3.3
30°-40°	252.7	4.1
40°-50°	282.7	4.5
50°-60°	276.3	4.4
60°-70°	218.0	3.5
70°-80°	131.9	2.1
80°-90°	47.0	0.8
90°-100°	161.9	2.6
100°-110°	626.0	10.0
110°-120°	860.3	13.8
120°-130°	870.3	14.0
130°-140°	771.3	12.4
140°-150°	610.0	9.8
150°-160°	425.9	6.8
160°-170°	241.0	3.9
170°-180°	75.6	1.2
0°-30°	380.9	6.1
0°-40°	633.6	10.2
0°-60°	1192.6	19.1
0°-90°	1589.4	25.5
90°-120°	1648.1	26.4
90°-150°	3899.8	62.6
90°-180°	4642.0	74.5
0°-180°	6231.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	476	476	476	476	476	
5°	483	476	479	476	473	46
15°	467	464	467	467	467	132
25°	442	435	445	445	445	203
35°	397	397	404	407	407	249
45°	341	344	350	394	410	263
55°	271	274	322	341	341	242
65°	192	202	230	233	233	190
75°	107	126	126	129	129	114
85°	32	50	44	41	38	33
90°	6	19	16	3	3	6
95°	25	126	151	32	32	31
105°	139	448	678	782	845	148
115°	287	606	952	1180	1252	286
125°	432	700	1044	1271	1334	387
135°	558	770	1044	1249	1303	430
145°	653	788	1012	1161	1198	408
155°	719	770	952	1057	1076	332
165°	776	773	845	918	930	218
175°	795	785	782	782	776	76
180°	788	788	788	788	788	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	476.2	476.2	476.2	476.2	476.2
2.5°	482.6	476.2	479.4	476.2	469.9
5°	482.6	476.2	479.4	476.2	473.1
7.5°	479.4	476.2	476.2	473.1	473.1
10°	479.4	473.1	476.2	473.1	469.9
12.5°	473.1	469.9	473.1	469.9	469.9
15°	466.8	463.6	466.8	466.8	466.8
17.5°	463.6	457.3	463.6	463.6	460.5
20°	454.2	451.0	457.3	457.3	457.3
22.5°	447.9	444.7	451.0	451.0	451.0
25°	441.6	435.2	444.7	444.7	444.7
27.5°	428.9	428.9	435.2	438.4	435.2
30°	419.5	416.3	425.8	428.9	425.8
32.5°	410.0	406.9	416.3	419.5	416.3
35°	397.4	397.4	403.7	406.9	406.9
37.5°	384.8	384.8	391.1	394.2	406.9
40°	372.2	372.2	378.5	397.4	410.0
42.5°	356.4	356.4	365.9	394.2	410.0
45°	340.6	343.8	350.1	394.2	410.0
47.5°	324.9	328.0	343.8	391.1	403.7
50°	305.9	312.2	337.5	381.6	391.1
52.5°	290.2	293.3	328.0	365.9	365.9
55°	271.2	274.4	321.7	340.6	340.6
57.5°	252.3	255.5	305.9	312.2	312.2
60°	233.4	236.5	287.0	287.0	287.0
62.5°	211.3	217.6	258.6	261.8	261.8
65°	192.4	201.9	230.2	233.4	233.4
67.5°	170.3	186.1	205.0	208.2	208.2
70°	151.4	170.3	176.6	179.8	179.8
72.5°	129.3	148.2	151.4	154.5	154.5
75°	107.2	126.2	126.2	129.3	129.3
77.5°	85.2	100.9	104.1	104.1	104.1
80°	66.2	75.7	82.0	78.8	78.8
82.5°	47.3	59.9	59.9	59.9	56.8
85°	31.5	50.5	44.2	41.0	37.8
87.5°	18.9	44.2	25.2	22.1	22.1
90°	6.3	18.9	15.8	3.2	3.2
92.5°	12.6	31.5	15.8	12.6	9.5
95°	25.2	126.2	151.4	31.5	31.5
97.5°	47.3	211.3	324.9	384.8	413.2
100°	72.5	315.4	435.2	533.0	567.7
102.5°	104.1	381.6	536.2	659.2	709.6
105°	138.8	447.9	678.1	782.2	845.3
107.5°	173.5	498.3	788.5	905.2	949.3
110°	214.5	539.3	857.9	1059.7	1072.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	252.3	570.9	895.7	1135.4	1204.8
115°	287.0	605.6	952.5	1179.6	1252.1
117.5°	328.0	630.8	987.2	1204.8	1283.7
120°	365.9	652.9	1012.4	1236.4	1293.1
122.5°	400.6	678.1	1031.3	1261.6	1324.7
125°	432.1	700.2	1044.0	1271.1	1334.1
127.5°	463.6	719.1	1047.1	1274.2	1340.4
130°	498.3	738.0	1053.4	1271.1	1337.3
132.5°	533.0	757.0	1050.3	1261.6	1321.5
135°	558.3	769.6	1044.0	1249.0	1302.6
137.5°	583.5	779.0	1037.7	1230.0	1280.5
140°	605.6	785.3	1028.2	1208.0	1255.3
142.5°	630.8	788.5	1021.9	1185.9	1226.9
145°	652.9	788.5	1012.4	1160.7	1198.5
147.5°	675.0	785.3	999.8	1135.4	1167.0
150°	690.7	779.0	987.2	1110.2	1135.4
152.5°	703.3	772.7	971.4	1081.8	1107.0
155°	719.1	769.6	952.5	1056.6	1075.5
157.5°	731.7	769.6	930.4	1028.2	1047.1
160°	744.3	769.6	905.2	999.8	1015.6
162.5°	760.1	769.6	870.5	958.8	974.6
165°	775.9	772.7	845.3	917.8	930.4
167.5°	785.3	772.7	820.0	867.3	880.0
170°	791.6	779.0	798.0	832.6	835.8
172.5°	794.8	785.3	782.2	798.0	798.0
175°	794.8	785.3	782.2	782.2	775.9
177.5°	794.8	788.5	788.5	785.3	775.9
180°	788.5	788.5	788.5	788.5	788.5

(END OF REPORT)