

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: P253596

Luminaire Tested: **J3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5707.0 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

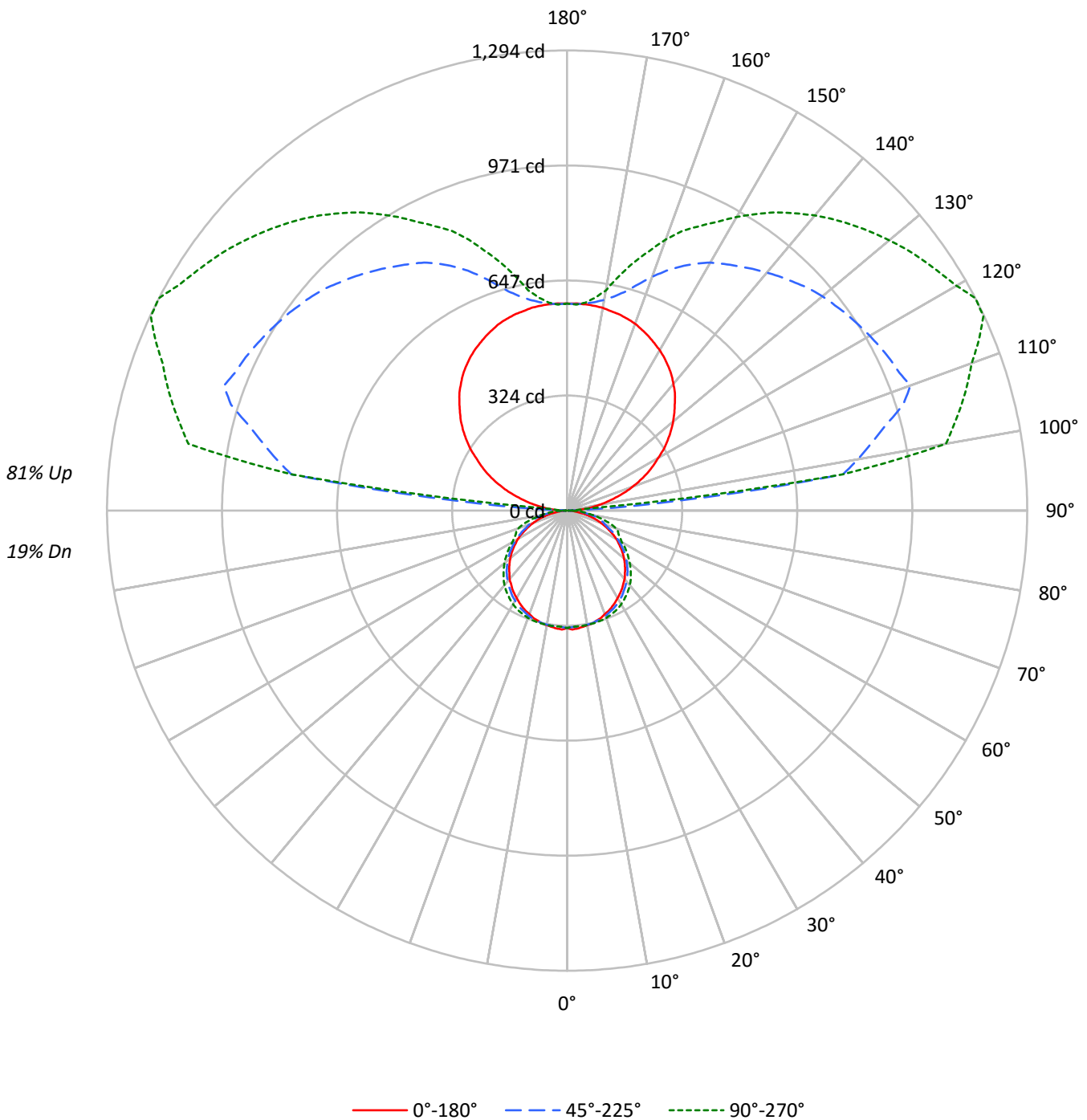
Input Watts (W): 44  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2666	2666	2666
5°	2695	2658	2649
10°	2680	2671	2680
15°	2675	2685	2713
20°	2662	2710	2759
25°	2658	2719	2801
30°	2644	2729	2835
35°	2649	2728	2862
40°	2653	2737	2893
45°	2627	2743	2887
50°	2617	2732	2890
55°	2597	2725	2885
60°	2575	2685	2869
65°	2479	2655	3047
70°	2393	2662	3441
75°	2202	3057	3481
80°	1906	3124	3389
85°	1473	3483	3900



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.4	0.5
10°-20°	91.2	1.6
20°-30°	141.3	2.5
30°-40°	174.4	3.1
40°-50°	185.8	3.3
50°-60°	173.4	3.0
60°-70°	141.3	2.5
70°-80°	97.7	1.7
80°-90°	38.1	0.7
90°-100°	341.0	6.0
100°-110°	861.4	15.1
110°-120°	891.4	15.6
120°-130°	793.8	13.9
130°-140°	661.4	11.6
140°-150°	504.0	8.8
150°-160°	339.2	5.9
160°-170°	183.9	3.2
170°-180°	56.5	1.0
0°-30°	263.9	4.6
0°-40°	438.3	7.7
0°-60°	797.5	14.0
0°-90°	1074.6	18.8
90°-120°	2093.8	36.7
90°-150°	4052.9	71.0
90°-180°	4632.0	81.2
0°-180°	5707.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	330	330	330	330	330	
5°	333	330	328	329	327	32
15°	320	321	321	325	325	91
25°	298	302	305	312	314	138
35°	269	271	277	287	290	168
45°	230	234	240	248	253	178
55°	184	188	194	199	205	165
65°	130	133	139	152	160	129
75°	71	75	98	110	112	75
85°	16	30	38	42	42	19
90°	2	3	3	2	2	5
95°	48	374	293	47	46	48
105°	141	595	927	1096	1148	150
115°	248	614	1003	1247	1292	245
125°	345	629	961	1165	1224	308
135°	428	647	907	1081	1136	331
145°	496	636	838	974	1024	310
155°	541	604	757	853	883	250
165°	571	587	638	700	722	161
175°	582	583	584	590	587	55
180°	582	582	582	582	582	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	330.3	330.3	330.3	330.3	330.3
2.5°	334.9	330.3	328.0	329.2	326.9
5°	332.6	330.3	328.0	329.2	326.9
7.5°	330.3	329.2	326.9	329.2	326.9
10°	326.9	326.9	325.8	328.0	326.9
12.5°	325.8	324.6	324.6	326.9	325.8
15°	320.1	321.2	321.2	324.6	324.6
17.5°	316.6	317.8	318.9	323.5	323.5
20°	309.8	313.2	315.5	321.2	321.2
22.5°	305.2	307.5	309.8	316.6	317.8
25°	298.4	301.8	305.2	312.1	314.4
27.5°	291.6	295.0	299.6	307.5	309.8
30°	283.6	288.2	292.7	300.7	304.1
32.5°	276.8	280.2	285.9	295.0	297.3
35°	268.8	271.1	276.8	287.0	290.4
37.5°	259.7	262.0	268.8	277.9	282.5
40°	251.7	254.0	259.7	268.8	274.5
42.5°	240.3	243.7	250.6	258.6	264.2
45°	230.1	233.5	240.3	248.3	252.9
47.5°	219.8	223.2	228.9	236.9	241.5
50°	208.4	211.9	217.5	225.5	230.1
52.5°	197.0	200.5	206.2	213.0	217.5
55°	184.5	187.9	193.6	199.3	205.0
57.5°	172.0	175.4	180.0	186.8	192.5
60°	159.5	161.7	166.3	174.3	177.7
62.5°	145.8	148.1	152.6	160.6	168.6
65°	129.8	133.3	139.0	151.5	159.5
67.5°	116.2	118.5	124.1	142.4	154.9
70°	101.4	104.8	112.8	139.0	145.8
72.5°	86.6	90.0	104.8	127.6	131.0
75°	70.6	75.2	98.0	110.5	111.6
77.5°	55.8	61.5	84.3	91.1	92.3
80°	41.0	51.3	67.2	71.8	72.9
82.5°	27.3	43.3	50.1	55.8	55.8
85°	15.9	29.6	37.6	42.1	42.1
87.5°	9.1	19.4	28.5	33.0	31.9
90°	2.3	3.4	3.4	2.3	2.3
92.5°	26.2	83.1	22.8	21.6	21.6
95°	47.8	373.6	292.7	46.7	45.6
97.5°	68.3	453.3	782.5	946.5	781.3
100°	91.1	547.9	830.3	1026.2	1082.0
102.5°	116.2	580.9	875.9	1054.7	1113.9
105°	141.2	594.6	927.1	1095.7	1148.1
107.5°	168.6	603.7	990.9	1128.7	1180.0
110°	195.9	608.2	1027.4	1169.7	1210.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	222.1	611.6	1011.4	1216.4	1252.9
115°	248.3	613.9	1003.4	1247.2	1291.6
117.5°	272.2	617.3	993.2	1218.7	1293.9
120°	296.1	620.7	982.9	1199.4	1264.3
122.5°	322.3	625.3	971.6	1183.4	1243.8
125°	345.1	628.7	961.3	1165.2	1224.4
127.5°	367.9	632.1	948.8	1145.8	1205.0
130°	389.5	640.1	937.4	1126.5	1182.3
132.5°	408.9	644.7	923.7	1104.8	1159.5
135°	428.3	646.9	906.6	1080.9	1135.6
137.5°	448.8	645.8	890.7	1058.1	1110.5
140°	464.7	644.7	873.6	1030.8	1083.2
142.5°	481.8	641.2	856.5	1003.4	1053.6
145°	495.5	635.6	838.3	973.8	1023.9
147.5°	509.1	628.7	822.3	943.1	988.6
150°	520.5	618.5	805.3	910.1	953.3
152.5°	530.8	610.5	782.5	880.4	915.7
155°	541.0	603.7	757.4	853.1	882.7
157.5°	550.1	599.1	730.1	820.1	852.0
160°	559.2	593.4	699.3	784.8	811.0
162.5°	564.9	590.0	667.4	742.6	764.3
165°	570.6	586.6	637.8	700.5	722.1
167.5°	574.0	584.3	617.3	656.1	675.4
170°	578.6	583.2	601.4	624.2	628.7
172.5°	580.9	583.2	591.1	602.5	603.7
175°	582.0	583.2	584.3	590.0	586.6
177.5°	583.2	584.3	580.9	584.3	579.7
180°	582.0	582.0	582.0	582.0	582.0

(END OF REPORT)