

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: P275243

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275243  
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-60L92765-1D-UNV-W2A-W-4 (4500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 5468.6 lumens  
Efficiency: N/A  
Efficacy: 121.8 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

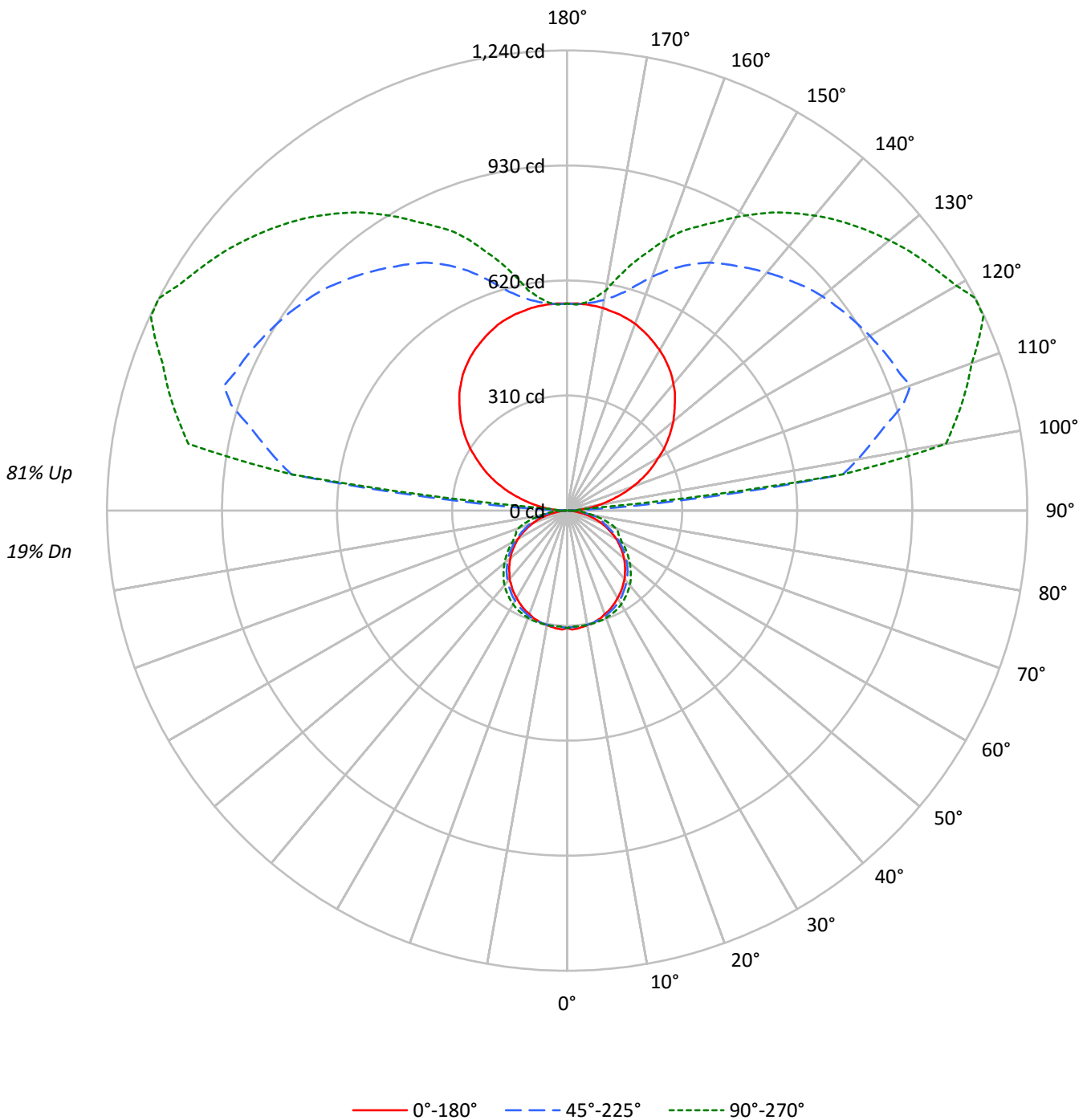
Input Watts (W): 44.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	2555	2555	2555
5°	2583	2547	2538
10°	2567	2558	2567
15°	2563	2573	2599
20°	2551	2597	2644
25°	2547	2605	2683
30°	2534	2615	2716
35°	2539	2614	2743
40°	2542	2622	2772
45°	2517	2629	2766
50°	2508	2619	2769
55°	2488	2611	2766
60°	2467	2572	2750
65°	2376	2544	2919
70°	2292	2549	3297
75°	2112	2929	3337
80°	1827	2994	3245
85°	1417	3335	3742



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.0	0.5
10°-20°	87.4	1.6
20°-30°	135.4	2.5
30°-40°	167.1	3.1
40°-50°	178.1	3.3
50°-60°	166.1	3.0
60°-70°	135.4	2.5
70°-80°	93.6	1.7
80°-90°	36.5	0.7
90°-100°	326.8	6.0
100°-110°	825.4	15.1
110°-120°	854.1	15.6
120°-130°	760.6	13.9
130°-140°	633.7	11.6
140°-150°	482.9	8.8
150°-160°	325.0	5.9
160°-170°	176.2	3.2
170°-180°	54.1	1.0
0°-30°	252.8	4.6
0°-40°	420.0	7.7
0°-60°	764.2	14.0
0°-90°	1029.7	18.8
90°-120°	2006.3	36.7
90°-150°	3883.6	71.0
90°-180°	4439.0	81.2
0°-180°	5468.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	316	316	316	316	316	
5°	319	316	314	315	313	30
15°	307	308	308	311	311	87
25°	286	289	292	299	301	132
35°	258	260	265	275	278	161
45°	220	224	230	238	242	170
55°	177	180	186	191	196	158
65°	124	128	133	145	153	124
75°	68	72	94	106	107	72
85°	15	28	36	40	40	18
90°	2	3	3	2	2	5
95°	46	358	280	45	44	46
105°	135	570	888	1050	1100	144
115°	238	588	962	1195	1238	234
125°	331	602	921	1116	1173	295
135°	410	620	869	1036	1088	317
145°	475	609	803	933	981	297
155°	518	578	726	818	846	239
165°	547	562	611	671	692	154
175°	558	559	560	565	562	53
180°	558	558	558	558	558	



TEST NUMBER: P275243

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	316.5	316.5	316.5	316.5	316.5
2.5°	320.9	316.5	314.3	315.4	313.2
5°	318.7	316.5	314.3	315.4	313.2
7.5°	316.5	315.4	313.2	315.4	313.2
10°	313.2	313.2	312.1	314.3	313.2
12.5°	312.1	311.0	311.0	313.2	312.1
15°	306.7	307.8	307.8	311.0	311.0
17.5°	303.4	304.5	305.6	310.0	310.0
20°	296.9	300.1	302.3	307.8	307.8
22.5°	292.5	294.7	296.9	303.4	304.5
25°	285.9	289.2	292.5	299.0	301.2
27.5°	279.4	282.7	287.0	294.7	296.9
30°	271.8	276.1	280.5	288.1	291.4
32.5°	265.2	268.5	273.9	282.7	284.9
35°	257.6	259.8	265.2	275.0	278.3
37.5°	248.8	251.0	257.6	266.3	270.7
40°	241.2	243.4	248.8	257.6	263.0
42.5°	230.3	233.6	240.1	247.7	253.2
45°	220.5	223.7	230.3	237.9	242.3
47.5°	210.6	213.9	219.4	227.0	231.4
50°	199.7	203.0	208.5	216.1	220.5
52.5°	188.8	192.1	197.5	204.1	208.5
55°	176.8	180.1	185.5	191.0	196.5
57.5°	164.8	168.1	172.4	179.0	184.4
60°	152.8	155.0	159.3	167.0	170.3
62.5°	139.7	141.9	146.2	153.9	161.5
65°	124.4	127.7	133.2	145.2	152.8
67.5°	111.3	113.5	119.0	136.4	148.4
70°	97.1	100.4	108.0	133.2	139.7
72.5°	82.9	86.2	100.4	122.2	125.5
75°	67.7	72.0	93.9	105.9	107.0
77.5°	53.5	58.9	80.8	87.3	88.4
80°	39.3	49.1	64.4	68.8	69.8
82.5°	26.2	41.5	48.0	53.5	53.5
85°	15.3	28.4	36.0	40.4	40.4
87.5°	8.7	18.6	27.3	31.7	30.6
90°	2.2	3.3	3.3	2.2	2.2
92.5°	25.1	79.7	21.8	20.7	20.7
95°	45.8	358.0	280.5	44.7	43.7
97.5°	65.5	434.4	749.8	907.0	748.7
100°	87.3	525.0	795.6	983.4	1036.8
102.5°	111.3	556.6	839.3	1010.6	1067.4
105°	135.3	569.7	888.4	1049.9	1100.1
107.5°	161.5	578.4	949.5	1081.6	1130.7
110°	187.7	582.8	984.4	1120.9	1160.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	212.8	586.1	969.2	1165.6	1200.5
115°	237.9	588.3	961.5	1195.1	1237.7
117.5°	260.8	591.5	951.7	1167.8	1239.8
120°	283.8	594.8	941.9	1149.2	1211.5
122.5°	308.9	599.2	931.0	1134.0	1191.8
125°	330.7	602.5	921.1	1116.5	1173.3
127.5°	352.5	605.7	909.1	1098.0	1154.7
130°	373.3	613.4	898.2	1079.4	1132.9
132.5°	391.8	617.7	885.1	1058.7	1111.0
135°	410.4	619.9	868.8	1035.7	1088.1
137.5°	430.0	618.8	853.5	1013.9	1064.1
140°	445.3	617.7	837.1	987.7	1037.9
142.5°	461.7	614.5	820.7	961.5	1009.5
145°	474.8	609.0	803.3	933.1	981.2
147.5°	487.9	602.5	788.0	903.7	947.3
150°	498.8	592.6	771.6	872.0	913.5
152.5°	508.6	585.0	749.8	843.7	877.5
155°	518.4	578.4	725.8	817.5	845.8
157.5°	527.1	574.1	699.6	785.8	816.4
160°	535.9	568.6	670.1	752.0	777.1
162.5°	541.3	565.3	639.6	711.6	732.3
165°	546.8	562.1	611.2	671.2	691.9
167.5°	550.1	559.9	591.5	628.6	647.2
170°	554.4	558.8	576.3	598.1	602.5
172.5°	556.6	558.8	566.4	577.4	578.4
175°	557.7	558.8	559.9	565.3	562.1
177.5°	558.8	559.9	556.6	559.9	555.5
180°	557.7	557.7	557.7	557.7	557.7

(END OF REPORT)