

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: P275232

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275232
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-60L82765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5697.9 lumens
Efficiency: N/A
Efficacy: 130.1 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

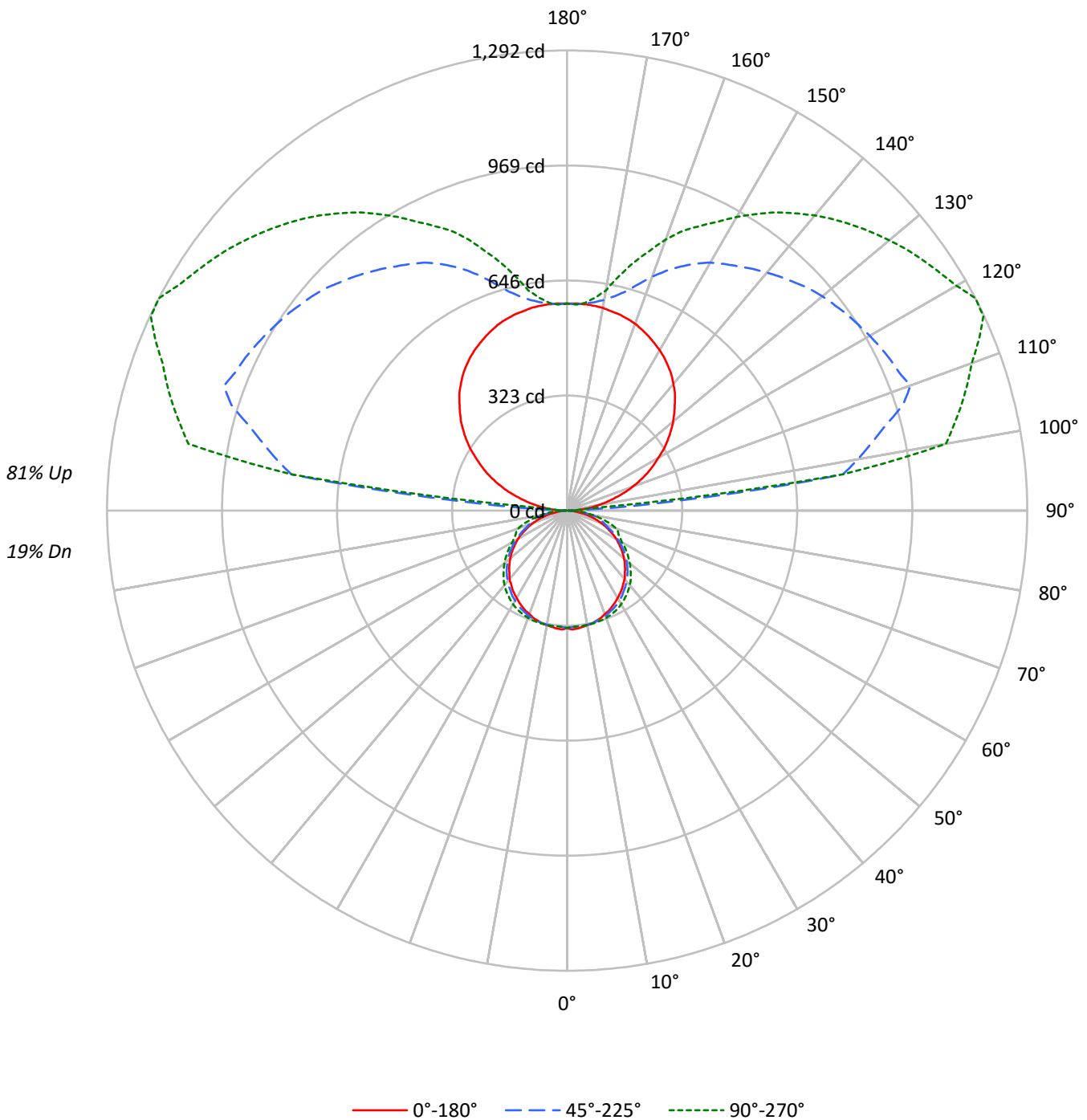
Input Watts (W): 43.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2662	2662	2662
5°	2691	2654	2645
10°	2676	2666	2676
15°	2670	2680	2709
20°	2657	2706	2755
25°	2654	2715	2796
30°	2640	2725	2830
35°	2645	2723	2858
40°	2648	2733	2889
45°	2622	2739	2883
50°	2614	2728	2885
55°	2593	2721	2881
60°	2570	2680	2864
65°	2476	2649	3041
70°	2389	2658	3437
75°	2199	3051	3475
80°	1901	3119	3384
85°	1473	3473	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	0.5
10°-20°	91.1	1.6
20°-30°	141.1	2.5
30°-40°	174.1	3.1
40°-50°	185.5	3.3
50°-60°	173.1	3.0
60°-70°	141.1	2.5
70°-80°	97.5	1.7
80°-90°	38.0	0.7
90°-100°	340.5	6.0
100°-110°	860.1	15.1
110°-120°	890.0	15.6
120°-130°	792.5	13.9
130°-140°	660.3	11.6
140°-150°	503.2	8.8
150°-160°	338.7	5.9
160°-170°	183.6	3.2
170°-180°	56.4	1.0
0°-30°	263.5	4.6
0°-40°	437.6	7.7
0°-60°	796.2	14.0
0°-90°	1072.8	18.8
90°-120°	2090.5	36.7
90°-150°	4046.5	71.0
90°-180°	4625.0	81.2
0°-180°	5697.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	330	330	330	330	330	
5°	332	330	328	329	326	32
15°	320	321	321	324	324	90
25°	298	301	305	312	314	137
35°	268	271	276	287	290	168
45°	230	233	240	248	252	177
55°	184	188	193	199	205	165
65°	130	133	139	151	159	129
75°	70	75	98	110	111	75
85°	16	30	38	42	42	19
90°	2	3	3	2	2	5
95°	48	373	292	47	46	47
105°	141	594	926	1094	1146	150
115°	248	613	1002	1245	1290	244
125°	345	628	960	1163	1222	308
135°	428	646	905	1079	1134	330
145°	495	634	837	972	1022	310
155°	540	603	756	852	881	249
165°	570	586	637	699	721	161
175°	581	582	583	589	586	55
180°	581	581	581	581	581	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	329.8	329.8	329.8	329.8	329.8
2.5°	334.3	329.8	327.5	328.6	326.4
5°	332.1	329.8	327.5	328.6	326.4
7.5°	329.8	328.6	326.4	328.6	326.4
10°	326.4	326.4	325.2	327.5	326.4
12.5°	325.2	324.1	324.1	326.4	325.2
15°	319.5	320.7	320.7	324.1	324.1
17.5°	316.1	317.3	318.4	323.0	323.0
20°	309.3	312.7	315.0	320.7	320.7
22.5°	304.8	307.0	309.3	316.1	317.3
25°	297.9	301.4	304.8	311.6	313.9
27.5°	291.1	294.5	299.1	307.0	309.3
30°	283.2	287.7	292.3	300.2	303.6
32.5°	276.3	279.7	285.4	294.5	296.8
35°	268.4	270.6	276.3	286.6	290.0
37.5°	259.3	261.6	268.4	277.5	282.0
40°	251.3	253.6	259.3	268.4	274.1
42.5°	239.9	243.4	250.2	258.1	263.8
45°	229.7	233.1	239.9	247.9	252.5
47.5°	219.5	222.9	228.6	236.5	241.1
50°	208.1	211.5	217.2	225.2	229.7
52.5°	196.7	200.1	205.8	212.7	217.2
55°	184.2	187.6	193.3	199.0	204.7
57.5°	171.7	175.1	179.7	186.5	192.2
60°	159.2	161.5	166.0	174.0	177.4
62.5°	145.6	147.8	152.4	160.3	168.3
65°	129.6	133.0	138.7	151.2	159.2
67.5°	116.0	118.3	124.0	142.1	154.7
70°	101.2	104.6	112.6	138.7	145.6
72.5°	86.4	89.8	104.6	127.4	130.8
75°	70.5	75.1	97.8	110.3	111.4
77.5°	55.7	61.4	84.2	91.0	92.1
80°	40.9	51.2	67.1	71.6	72.8
82.5°	27.3	43.2	50.0	55.7	55.7
85°	15.9	29.6	37.5	42.1	42.1
87.5°	9.1	19.3	28.4	33.0	31.8
90°	2.3	3.4	3.4	2.3	2.3
92.5°	26.2	83.0	22.7	21.6	21.6
95°	47.8	373.0	292.3	46.6	45.5
97.5°	68.2	452.6	781.2	945.0	780.1
100°	91.0	547.0	829.0	1024.6	1080.3
102.5°	116.0	580.0	874.5	1053.0	1112.2
105°	141.0	593.6	925.7	1094.0	1146.3
107.5°	168.3	602.7	989.3	1126.9	1178.1
110°	195.6	607.3	1025.7	1167.9	1208.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	221.7	610.7	1009.8	1214.5	1250.9
115°	247.9	612.9	1001.9	1245.2	1289.6
117.5°	271.8	616.4	991.6	1216.8	1291.8
120°	295.7	619.8	981.4	1197.4	1262.3
122.5°	321.8	624.3	970.0	1181.5	1241.8
125°	344.6	627.7	959.8	1163.3	1222.5
127.5°	367.3	631.1	947.3	1144.0	1203.1
130°	388.9	639.1	935.9	1124.7	1180.4
132.5°	408.2	643.6	922.3	1103.1	1157.6
135°	427.6	645.9	905.2	1079.2	1133.8
137.5°	448.0	644.8	889.3	1056.4	1108.7
140°	464.0	643.6	872.2	1029.1	1081.5
142.5°	481.0	640.2	855.2	1001.9	1051.9
145°	494.7	634.5	837.0	972.3	1022.3
147.5°	508.3	627.7	821.0	941.6	987.1
150°	519.7	617.5	804.0	908.6	951.8
152.5°	529.9	609.5	781.2	879.0	914.3
155°	540.2	602.7	756.2	851.7	881.3
157.5°	549.3	598.2	728.9	818.8	850.6
160°	558.4	592.5	698.2	783.5	809.7
162.5°	564.0	589.1	666.4	741.4	763.0
165°	569.7	585.6	636.8	699.4	721.0
167.5°	573.1	583.4	616.4	655.0	674.3
170°	577.7	582.2	600.4	623.2	627.7
172.5°	580.0	582.2	590.2	601.6	602.7
175°	581.1	582.2	583.4	589.1	585.6
177.5°	582.2	583.4	580.0	583.4	578.8
180°	581.1	581.1	581.1	581.1	581.1

(END OF REPORT)