

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: P275245

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L92765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5691.9 lumens
Efficiency: N/A
Efficacy: 125.4 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

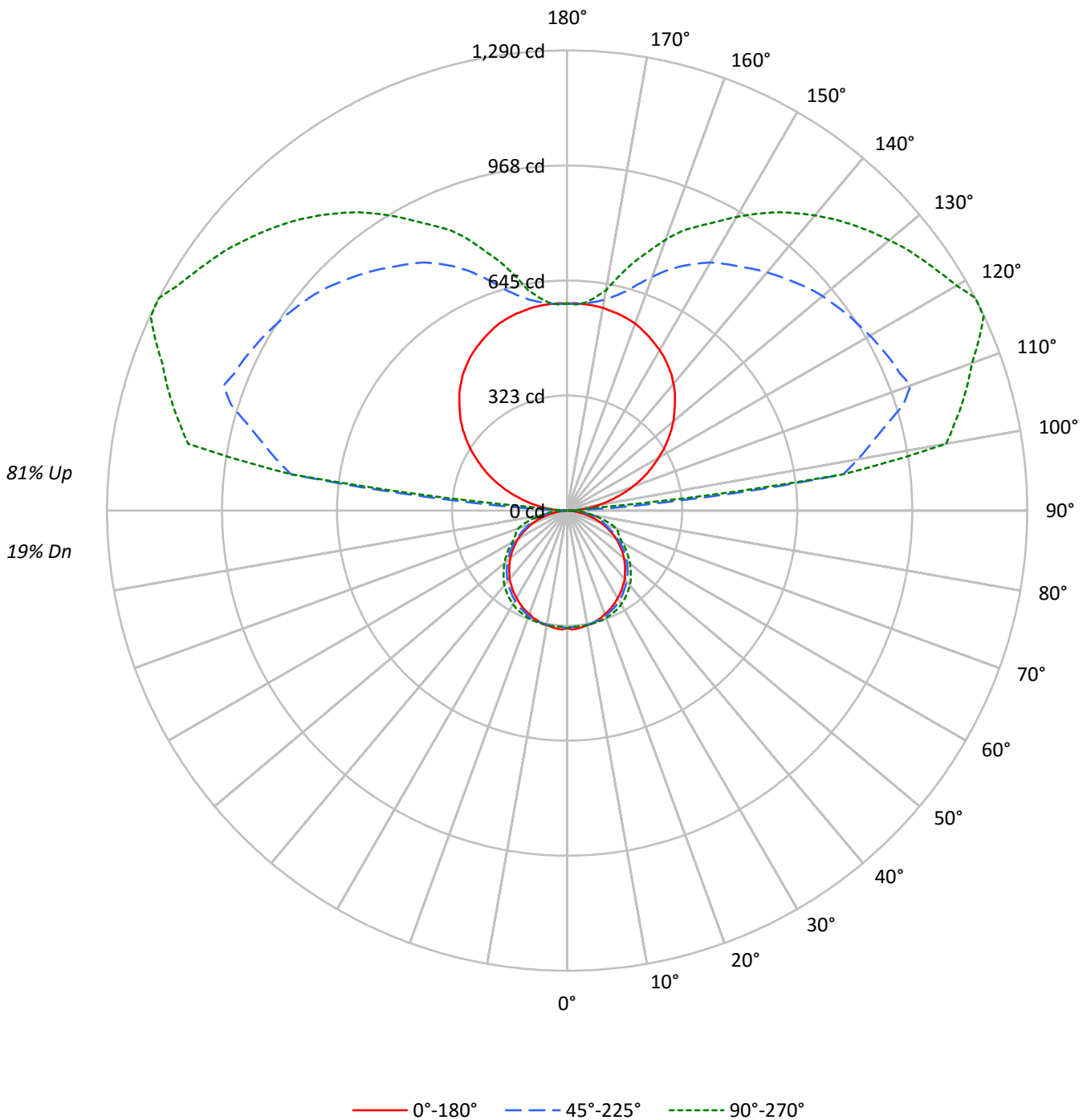
Input Watts (W): 45.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
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°	2659	2659	2659
5°	2688	2652	2642
10°	2672	2663	2672
15°	2668	2677	2706
20°	2655	2704	2752
25°	2651	2711	2793
30°	2637	2721	2827
35°	2642	2720	2855
40°	2646	2729	2885
45°	2620	2737	2879
50°	2611	2725	2882
55°	2590	2718	2878
60°	2567	2679	2861
65°	2474	2648	3037
70°	2386	2655	3432
75°	2196	3047	3472
80°	1901	3115	3380
85°	1473	3473	3890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	0.5
10°-20°	91.0	1.6
20°-30°	140.9	2.5
30°-40°	174.0	3.1
40°-50°	185.3	3.3
50°-60°	172.9	3.0
60°-70°	140.9	2.5
70°-80°	97.4	1.7
80°-90°	38.0	0.7
90°-100°	340.1	6.0
100°-110°	859.1	15.1
110°-120°	889.0	15.6
120°-130°	791.7	13.9
130°-140°	659.6	11.6
140°-150°	502.6	8.8
150°-160°	338.3	5.9
160°-170°	183.4	3.2
170°-180°	56.3	1.0
0°-30°	263.2	4.6
0°-40°	437.1	7.7
0°-60°	795.4	14.0
0°-90°	1071.7	18.8
90°-120°	2088.3	36.7
90°-150°	4042.2	71.0
90°-180°	4620.0	81.2
0°-180°	5691.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	329	329	329	329	329	
5°	332	329	327	328	326	31
15°	319	320	320	324	324	90
25°	298	301	304	311	314	137
35°	268	270	276	286	290	168
45°	230	233	240	248	252	177
55°	184	187	193	199	204	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	45	47
105°	141	593	925	1093	1145	150
115°	248	612	1001	1244	1288	244
125°	344	627	959	1162	1221	308
135°	427	645	904	1078	1133	330
145°	494	634	836	971	1021	309
155°	540	602	755	851	880	249
165°	569	585	636	699	720	161
175°	580	582	583	588	585	55
180°	580	580	580	580	580	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	329.4	329.4	329.4	329.4	329.4
2.5°	334.0	329.4	327.2	328.3	326.0
5°	331.7	329.4	327.2	328.3	326.0
7.5°	329.4	328.3	326.0	328.3	326.0
10°	326.0	326.0	324.9	327.2	326.0
12.5°	324.9	323.8	323.8	326.0	324.9
15°	319.2	320.3	320.3	323.8	323.8
17.5°	315.8	316.9	318.1	322.6	322.6
20°	309.0	312.4	314.7	320.3	320.3
22.5°	304.4	306.7	309.0	315.8	316.9
25°	297.6	301.0	304.4	311.3	313.5
27.5°	290.8	294.2	298.8	306.7	309.0
30°	282.9	287.4	291.9	299.9	303.3
32.5°	276.0	279.4	285.1	294.2	296.5
35°	268.1	270.4	276.0	286.3	289.7
37.5°	259.0	261.3	268.1	277.2	281.7
40°	251.1	253.3	259.0	268.1	273.8
42.5°	239.7	243.1	249.9	257.9	263.5
45°	229.5	232.9	239.7	247.6	252.2
47.5°	219.2	222.7	228.3	236.3	240.8
50°	207.9	211.3	217.0	224.9	229.5
52.5°	196.5	199.9	205.6	212.4	217.0
55°	184.0	187.4	193.1	198.8	204.5
57.5°	171.5	174.9	179.5	186.3	192.0
60°	159.0	161.3	165.9	173.8	177.2
62.5°	145.4	147.7	152.2	160.2	168.1
65°	129.5	132.9	138.6	151.1	159.0
67.5°	115.9	118.1	123.8	142.0	154.5
70°	101.1	104.5	112.5	138.6	145.4
72.5°	86.3	89.7	104.5	127.2	130.6
75°	70.4	75.0	97.7	110.2	111.3
77.5°	55.7	61.3	84.1	90.9	92.0
80°	40.9	51.1	67.0	71.6	72.7
82.5°	27.3	43.2	50.0	55.7	55.7
85°	15.9	29.5	37.5	42.0	42.0
87.5°	9.1	19.3	28.4	32.9	31.8
90°	2.3	3.4	3.4	2.3	2.3
92.5°	26.1	82.9	22.7	21.6	21.6
95°	47.7	372.6	291.9	46.6	45.4
97.5°	68.2	452.1	780.4	944.0	779.3
100°	90.9	546.4	828.1	1023.5	1079.2
102.5°	115.9	579.3	873.6	1051.9	1111.0
105°	140.9	593.0	924.7	1092.8	1145.1
107.5°	168.1	602.1	988.3	1125.7	1176.9
110°	195.4	606.6	1024.6	1166.6	1207.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	221.5	610.0	1008.7	1213.2	1249.6
115°	247.6	612.3	1000.8	1243.9	1288.2
117.5°	271.5	615.7	990.6	1215.5	1290.5
120°	295.4	619.1	980.3	1196.2	1260.9
122.5°	321.5	623.6	969.0	1180.3	1240.5
125°	344.2	627.1	958.8	1162.1	1221.2
127.5°	366.9	630.5	946.3	1142.8	1201.9
130°	388.5	638.4	934.9	1123.5	1179.1
132.5°	407.8	643.0	921.3	1101.9	1156.4
135°	427.1	645.2	904.2	1078.0	1132.6
137.5°	447.6	644.1	888.3	1055.3	1107.6
140°	463.5	643.0	871.3	1028.1	1080.3
142.5°	480.5	639.6	854.3	1000.8	1050.8
145°	494.1	633.9	836.1	971.3	1021.2
147.5°	507.8	627.1	820.2	940.6	986.0
150°	519.1	616.8	803.1	907.6	950.8
152.5°	529.4	608.9	780.4	878.1	913.3
155°	539.6	602.1	755.4	850.8	880.4
157.5°	548.7	597.5	728.2	817.9	849.7
160°	557.8	591.8	697.5	782.7	808.8
162.5°	563.4	588.4	665.7	740.7	762.2
165°	569.1	585.0	636.1	698.6	720.2
167.5°	572.5	582.8	615.7	654.3	673.6
170°	577.1	581.6	599.8	622.5	627.1
172.5°	579.3	581.6	589.6	600.9	602.1
175°	580.5	581.6	582.8	588.4	585.0
177.5°	581.6	582.8	579.3	582.8	578.2
180°	580.5	580.5	580.5	580.5	580.5

(END OF REPORT)