

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: P275051

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275051  
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-60L92765-1D-UNV-W2A-W-4 (4500K)  
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 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5237.6 lumens  
Efficiency: N/A  
Efficacy: 116.6 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

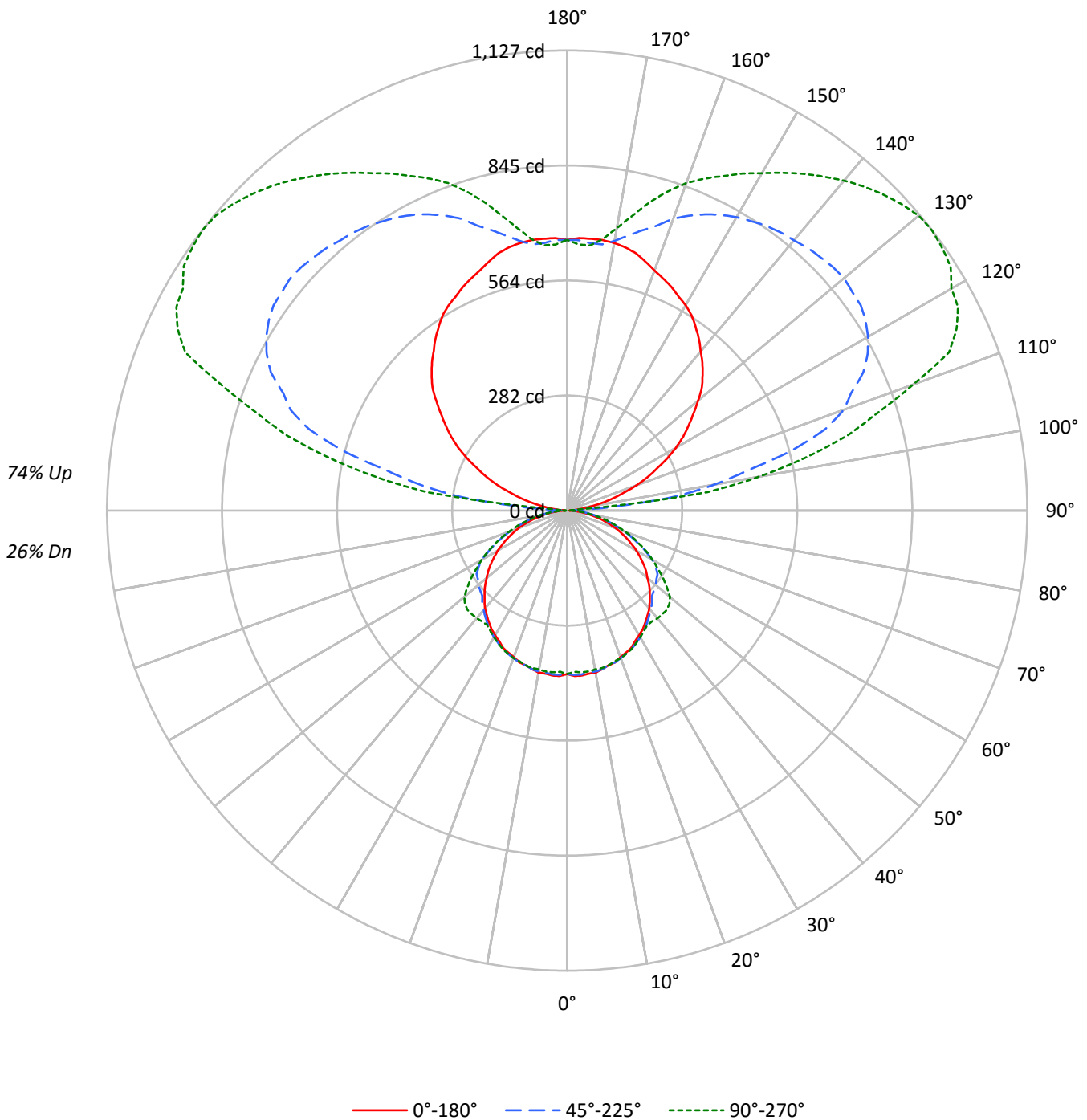
Input Watts (W): 44.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3232	3232	3232
5°	3287	3265	3222
10°	3303	3281	3238
15°	3279	3279	3279
20°	3279	3302	3302
25°	3306	3330	3330
30°	3287	3336	3336
35°	3292	3344	3370
40°	3296	3352	3632
45°	3269	3359	3934
50°	3229	3562	4128
55°	3209	3806	4030
60°	3168	3894	3894
65°	3089	3696	3748
70°	3002	3503	3567
75°	2810	3306	3391
80°	2590	3203	3082
85°	2455	3436	2946



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.2	0.7
10°-20°	110.8	2.1
20°-30°	171.2	3.3
30°-40°	212.4	4.1
40°-50°	237.6	4.5
50°-60°	232.2	4.4
60°-70°	183.2	3.5
70°-80°	110.8	2.1
80°-90°	39.5	0.8
90°-100°	136.0	2.6
100°-110°	526.1	10.0
110°-120°	723.0	13.8
120°-130°	731.5	14.0
130°-140°	648.3	12.4
140°-150°	512.7	9.8
150°-160°	358.0	6.8
160°-170°	202.6	3.9
170°-180°	63.5	1.2
0°-30°	320.2	6.1
0°-40°	532.5	10.2
0°-60°	1002.3	19.1
0°-90°	1335.9	25.5
90°-120°	1385.2	26.4
90°-150°	3277.6	62.6
90°-180°	3902.0	74.5
0°-180°	5237.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	400	400	400	400	400	
5°	406	400	403	400	398	39
15°	392	390	392	392	392	111
25°	371	366	374	374	374	170
35°	334	334	339	342	342	209
45°	286	289	294	331	345	221
55°	228	231	270	286	286	204
65°	162	170	194	196	196	159
75°	90	106	106	109	109	95
85°	26	42	37	34	32	28
90°	5	16	13	3	3	5
95°	21	106	127	26	26	26
105°	117	376	570	657	710	124
115°	241	509	800	991	1052	241
125°	363	588	877	1068	1121	325
135°	469	647	877	1050	1095	361
145°	549	663	851	976	1007	343
155°	604	647	800	888	904	279
165°	652	649	710	771	782	183
175°	668	660	657	657	652	64
180°	663	663	663	663	663	



TEST NUMBER: P275051

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	400.3	400.3	400.3	400.3	400.3
2.5°	405.6	400.3	402.9	400.3	395.0
5°	405.6	400.3	402.9	400.3	397.6
7.5°	402.9	400.3	400.3	397.6	397.6
10°	402.9	397.6	400.3	397.6	395.0
12.5°	397.6	395.0	397.6	395.0	395.0
15°	392.3	389.7	392.3	392.3	392.3
17.5°	389.7	384.4	389.7	389.7	387.0
20°	381.7	379.1	384.4	384.4	384.4
22.5°	376.4	373.8	379.1	379.1	379.1
25°	371.1	365.8	373.8	373.8	373.8
27.5°	360.5	360.5	365.8	368.5	365.8
30°	352.6	349.9	357.9	360.5	357.9
32.5°	344.6	341.9	349.9	352.6	349.9
35°	334.0	334.0	339.3	341.9	341.9
37.5°	323.4	323.4	328.7	331.3	341.9
40°	312.8	312.8	318.1	334.0	344.6
42.5°	299.5	299.5	307.5	331.3	344.6
45°	286.3	288.9	294.2	331.3	344.6
47.5°	273.0	275.7	288.9	328.7	339.3
50°	257.1	262.4	283.6	320.7	328.7
52.5°	243.9	246.5	275.7	307.5	307.5
55°	228.0	230.6	270.4	286.3	286.3
57.5°	212.1	214.7	257.1	262.4	262.4
60°	196.2	198.8	241.2	241.2	241.2
62.5°	177.6	182.9	217.4	220.0	220.0
65°	161.7	169.6	193.5	196.2	196.2
67.5°	143.1	156.4	172.3	175.0	175.0
70°	127.2	143.1	148.4	151.1	151.1
72.5°	108.7	124.6	127.2	129.9	129.9
75°	90.1	106.0	106.0	108.7	108.7
77.5°	71.6	84.8	87.5	87.5	87.5
80°	55.7	63.6	68.9	66.3	66.3
82.5°	39.8	50.4	50.4	50.4	47.7
85°	26.5	42.4	37.1	34.5	31.8
87.5°	15.9	37.1	21.2	18.6	18.6
90°	5.3	15.9	13.3	2.7	2.7
92.5°	10.6	26.5	13.3	10.6	8.0
95°	21.2	106.0	127.2	26.5	26.5
97.5°	39.8	177.6	273.0	323.4	347.3
100°	61.0	265.1	365.8	448.0	477.1
102.5°	87.5	320.7	450.6	554.0	596.4
105°	116.6	376.4	569.9	657.4	710.4
107.5°	145.8	418.8	662.7	760.8	797.9
110°	180.3	453.3	721.0	890.7	901.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	212.1	479.8	752.8	954.3	1012.6
115°	241.2	508.9	800.5	991.4	1052.4
117.5°	275.7	530.2	829.7	1012.6	1078.9
120°	307.5	548.7	850.9	1039.1	1086.8
122.5°	336.6	569.9	866.8	1060.3	1113.3
125°	363.2	588.5	877.4	1068.3	1121.3
127.5°	389.7	604.4	880.1	1070.9	1126.6
130°	418.8	620.3	885.4	1068.3	1123.9
132.5°	448.0	636.2	882.7	1060.3	1110.7
135°	469.2	646.8	877.4	1049.7	1094.8
137.5°	490.4	654.7	872.1	1033.8	1076.2
140°	508.9	660.0	864.2	1015.2	1055.0
142.5°	530.2	662.7	858.8	996.7	1031.1
145°	548.7	662.7	850.9	975.5	1007.3
147.5°	567.3	660.0	840.3	954.3	980.8
150°	580.5	654.7	829.7	933.1	954.3
152.5°	591.1	649.4	816.4	909.2	930.4
155°	604.4	646.8	800.5	888.0	903.9
157.5°	615.0	646.8	782.0	864.2	880.1
160°	625.6	646.8	760.8	840.3	853.5
162.5°	638.8	646.8	731.6	805.8	819.1
165°	652.1	649.4	710.4	771.4	782.0
167.5°	660.0	649.4	689.2	729.0	739.6
170°	665.3	654.7	670.6	699.8	702.5
172.5°	668.0	660.0	657.4	670.6	670.6
175°	668.0	660.0	657.4	657.4	652.1
177.5°	668.0	662.7	662.7	660.0	652.1
180°	662.7	662.7	662.7	662.7	662.7

(END OF REPORT)