

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: P275053

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

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-60L92765-1D-UNV-W2A-W-4 (5700K)  
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 5700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5451.4 lumens  
Efficiency: N/A  
Efficacy: 120.1 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

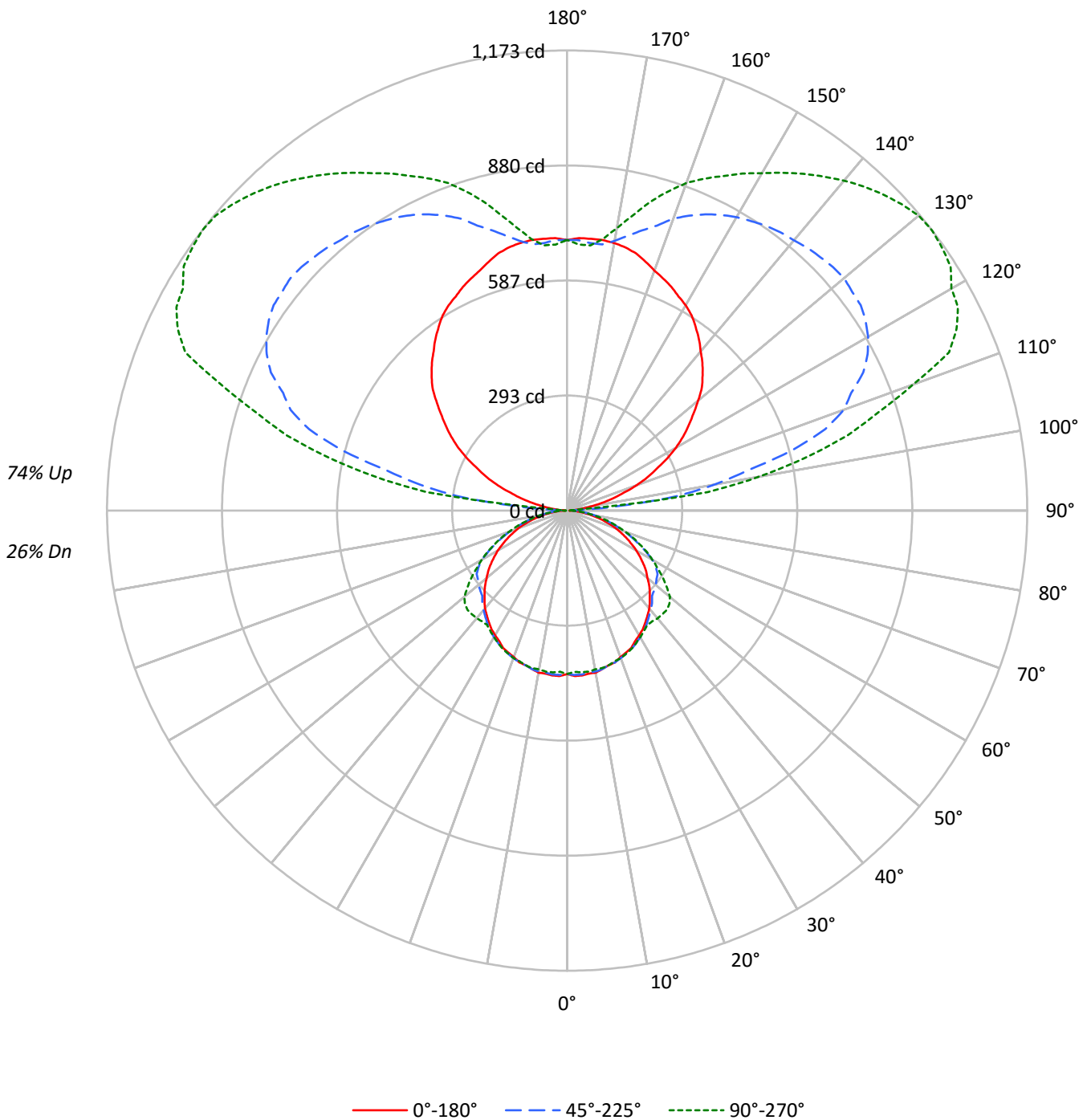
Input Watts (W): 45.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3363	3363	3363
5°	3421	3399	3354
10°	3438	3415	3370
15°	3412	3412	3412
20°	3413	3437	3437
25°	3441	3465	3465
30°	3420	3472	3472
35°	3426	3481	3507
40°	3431	3489	3780
45°	3402	3497	4095
50°	3361	3707	4297
55°	3340	3961	4194
60°	3297	4054	4054
65°	3215	3847	3901
70°	3125	3647	3713
75°	2926	3444	3528
80°	2692	3333	3208
85°	2556	3575	3066



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.7	0.7
10°-20°	115.3	2.1
20°-30°	178.2	3.3
30°-40°	221.0	4.1
40°-50°	247.3	4.5
50°-60°	241.7	4.4
60°-70°	190.7	3.5
70°-80°	115.4	2.1
80°-90°	41.1	0.8
90°-100°	141.6	2.6
100°-110°	547.6	10.0
110°-120°	752.5	13.8
120°-130°	761.3	14.0
130°-140°	674.7	12.4
140°-150°	533.6	9.8
150°-160°	372.6	6.8
160°-170°	210.9	3.9
170°-180°	66.1	1.2
0°-30°	333.2	6.1
0°-40°	554.3	10.2
0°-60°	1043.3	19.1
0°-90°	1390.4	25.5
90°-120°	1441.7	26.4
90°-150°	3411.4	62.6
90°-180°	4061.0	74.5
0°-180°	5451.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	422	417	419	417	414	40
15°	408	406	408	408	408	116
25°	386	381	389	389	389	177
35°	348	348	353	356	356	218
45°	298	301	306	345	359	230
55°	237	240	281	298	298	212
65°	168	177	201	204	204	166
75°	94	110	110	113	113	99
85°	28	44	39	36	33	29
90°	6	17	14	3	3	5
95°	22	110	132	28	28	27
105°	121	392	593	684	739	129
115°	251	530	833	1032	1095	250
125°	378	612	913	1112	1167	338
135°	488	673	913	1093	1140	376
145°	571	690	886	1015	1048	357
155°	629	673	833	924	941	290
165°	679	676	739	803	814	191
175°	695	687	684	684	679	66
180°	690	690	690	690	690	



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CATALOG NUMBER: J3-CL-60L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	416.6	416.6	416.6	416.6	416.6
2.5°	422.1	416.6	419.4	416.6	411.1
5°	422.1	416.6	419.4	416.6	413.9
7.5°	419.4	416.6	416.6	413.9	413.9
10°	419.4	413.9	416.6	413.9	411.1
12.5°	413.9	411.1	413.9	411.1	411.1
15°	408.3	405.6	408.3	408.3	408.3
17.5°	405.6	400.1	405.6	405.6	402.8
20°	397.3	394.5	400.1	400.1	400.1
22.5°	391.8	389.0	394.5	394.5	394.5
25°	386.3	380.7	389.0	389.0	389.0
27.5°	375.2	375.2	380.7	383.5	380.7
30°	366.9	364.2	372.5	375.2	372.5
32.5°	358.7	355.9	364.2	366.9	364.2
35°	347.6	347.6	353.2	355.9	355.9
37.5°	336.6	336.6	342.1	344.9	355.9
40°	325.6	325.6	331.1	347.6	358.7
42.5°	311.8	311.8	320.0	344.9	358.7
45°	298.0	300.7	306.3	344.9	358.7
47.5°	284.2	286.9	300.7	342.1	353.2
50°	267.6	273.1	295.2	333.8	342.1
52.5°	253.8	256.6	286.9	320.0	320.0
55°	237.3	240.0	281.4	298.0	298.0
57.5°	220.7	223.5	267.6	273.1	273.1
60°	204.2	206.9	251.1	251.1	251.1
62.5°	184.9	190.4	226.2	229.0	229.0
65°	168.3	176.6	201.4	204.2	204.2
67.5°	149.0	162.8	179.3	182.1	182.1
70°	132.4	149.0	154.5	157.3	157.3
72.5°	113.1	129.7	132.4	135.2	135.2
75°	93.8	110.4	110.4	113.1	113.1
77.5°	74.5	88.3	91.0	91.0	91.0
80°	57.9	66.2	71.7	69.0	69.0
82.5°	41.4	52.4	52.4	52.4	49.7
85°	27.6	44.1	38.6	35.9	33.1
87.5°	16.6	38.6	22.1	19.3	19.3
90°	5.5	16.6	13.8	2.8	2.8
92.5°	11.0	27.6	13.8	11.0	8.3
95°	22.1	110.4	132.4	27.6	27.6
97.5°	41.4	184.9	284.2	336.6	361.4
100°	63.5	275.9	380.7	466.3	496.6
102.5°	91.0	333.8	469.0	576.6	620.8
105°	121.4	391.8	593.2	684.2	739.4
107.5°	151.7	435.9	689.8	791.8	830.5
110°	187.6	471.8	750.5	927.0	938.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	220.7	499.4	783.6	993.2	1053.9
115°	251.1	529.7	833.2	1031.9	1095.3
117.5°	286.9	551.8	863.6	1053.9	1122.9
120°	320.0	571.1	885.6	1081.5	1131.2
122.5°	350.4	593.2	902.2	1103.6	1158.8
125°	378.0	612.5	913.2	1111.9	1167.1
127.5°	405.6	629.1	916.0	1114.6	1172.6
130°	435.9	645.6	921.5	1111.9	1169.8
132.5°	466.3	662.2	918.8	1103.6	1156.0
135°	488.3	673.2	913.2	1092.6	1139.5
137.5°	510.4	681.5	907.7	1076.0	1120.2
140°	529.7	687.0	899.4	1056.7	1098.1
142.5°	551.8	689.8	893.9	1037.4	1073.3
145°	571.1	689.8	885.6	1015.3	1048.4
147.5°	590.4	687.0	874.6	993.2	1020.8
150°	604.2	681.5	863.6	971.2	993.2
152.5°	615.3	676.0	849.8	946.3	968.4
155°	629.1	673.2	833.2	924.3	940.8
157.5°	640.1	673.2	813.9	899.4	916.0
160°	651.1	673.2	791.8	874.6	888.4
162.5°	664.9	673.2	761.5	838.7	852.5
165°	678.7	676.0	739.4	802.9	813.9
167.5°	687.0	676.0	717.3	758.7	769.8
170°	692.5	681.5	698.0	728.4	731.1
172.5°	695.3	687.0	684.2	698.0	698.0
175°	695.3	687.0	684.2	684.2	678.7
177.5°	695.3	689.8	689.8	687.0	678.7
180°	689.8	689.8	689.8	689.8	689.8

(END OF REPORT)