

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: P275034

Luminaire Tested: **J3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275034  
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-50L92765-1D-UNV-W2A-W-4 (4000K)  
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 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4237.4 lumens  
Efficiency: N/A  
Efficacy: 118.0 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

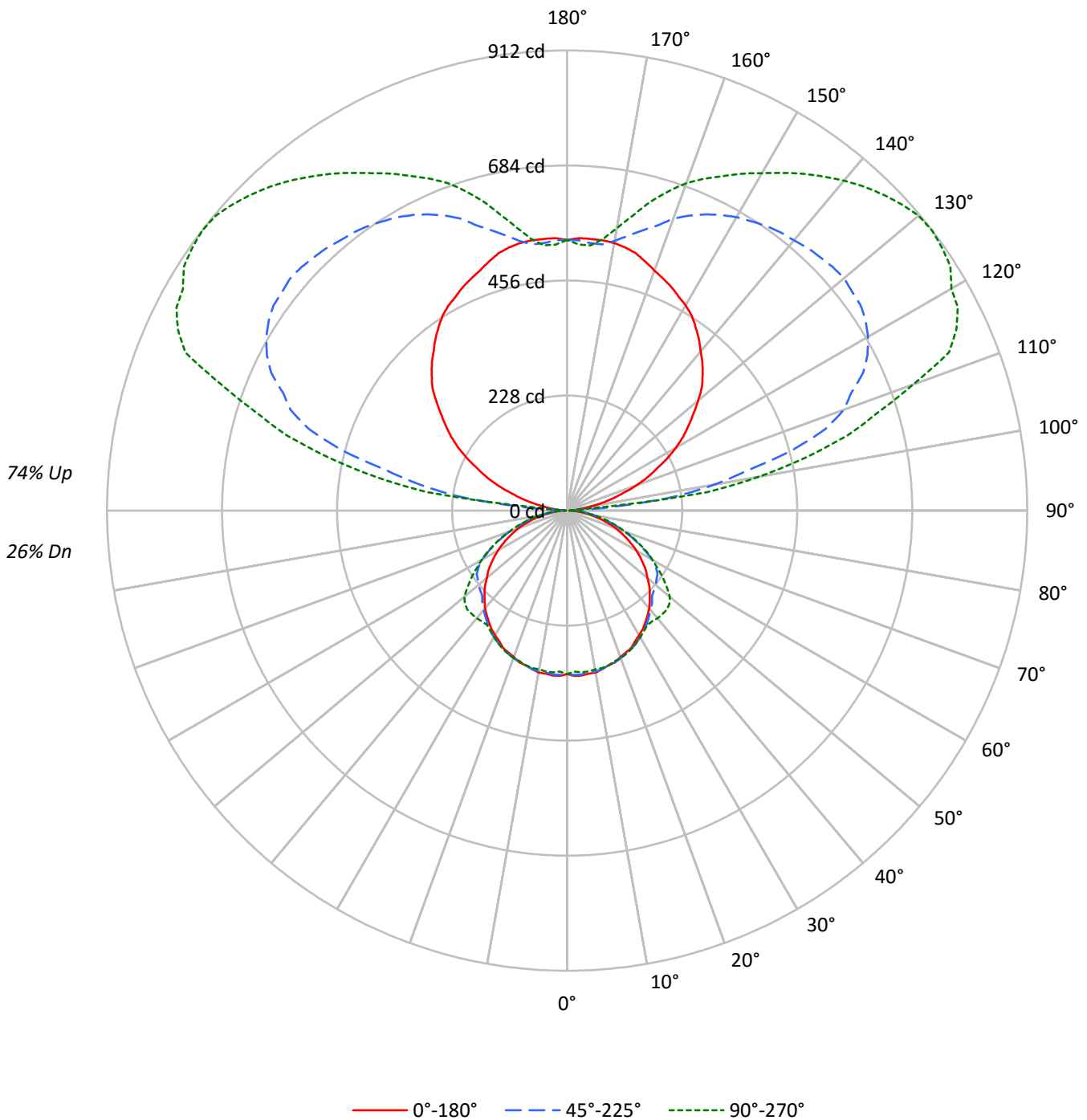
Input Watts (W): 35.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2614	2614	2614
5°	2659	2642	2607
10°	2672	2654	2619
15°	2653	2653	2653
20°	2653	2672	2672
25°	2674	2694	2694
30°	2659	2699	2699
35°	2663	2705	2727
40°	2667	2713	2938
45°	2644	2718	3183
50°	2612	2882	3340
55°	2595	3080	3260
60°	2562	3152	3152
65°	2499	2991	3032
70°	2429	2835	2884
75°	2274	2676	2742
80°	2092	2594	2492
85°	1982	2779	2381



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	0.7
10°-20°	89.6	2.1
20°-30°	138.5	3.3
30°-40°	171.8	4.1
40°-50°	192.3	4.5
50°-60°	187.9	4.4
60°-70°	148.2	3.5
70°-80°	89.7	2.1
80°-90°	31.9	0.8
90°-100°	110.1	2.6
100°-110°	425.7	10.0
110°-120°	585.0	13.8
120°-130°	591.8	14.0
130°-140°	524.5	12.4
140°-150°	414.8	9.8
150°-160°	289.6	6.8
160°-170°	163.9	3.9
170°-180°	51.4	1.2
0°-30°	259.0	6.1
0°-40°	430.8	10.2
0°-60°	811.0	19.1
0°-90°	1080.8	25.5
90°-120°	1120.7	26.4
90°-150°	2651.8	62.6
90°-180°	3157.0	74.5
0°-180°	4237.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	324	324	324	324	324	
5°	328	324	326	324	322	31
15°	317	315	317	317	317	90
25°	300	296	302	302	302	138
35°	270	270	274	277	277	169
45°	232	234	238	268	279	179
55°	184	187	219	232	232	165
65°	131	137	157	159	159	129
75°	73	86	86	88	88	77
85°	21	34	30	28	26	22
90°	4	13	11	2	2	4
95°	17	86	103	21	21	21
105°	94	304	461	532	575	100
115°	195	412	648	802	851	195
125°	294	476	710	864	907	263
135°	380	523	710	849	886	292
145°	444	536	688	789	815	278
155°	489	523	648	718	731	225
165°	528	525	575	624	633	148
175°	540	534	532	532	528	52
180°	536	536	536	536	536	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	323.8	323.8	323.8	323.8	323.8
2.5°	328.1	323.8	326.0	323.8	319.5
5°	328.1	323.8	326.0	323.8	321.7
7.5°	326.0	323.8	323.8	321.7	321.7
10°	326.0	321.7	323.8	321.7	319.5
12.5°	321.7	319.5	321.7	319.5	319.5
15°	317.4	315.3	317.4	317.4	317.4
17.5°	315.3	311.0	315.3	315.3	313.1
20°	308.8	306.7	311.0	311.0	311.0
22.5°	304.5	302.4	306.7	306.7	306.7
25°	300.2	296.0	302.4	302.4	302.4
27.5°	291.7	291.7	296.0	298.1	296.0
30°	285.2	283.1	289.5	291.7	289.5
32.5°	278.8	276.7	283.1	285.2	283.1
35°	270.2	270.2	274.5	276.7	276.7
37.5°	261.6	261.6	265.9	268.1	276.7
40°	253.1	253.1	257.4	270.2	278.8
42.5°	242.3	242.3	248.8	268.1	278.8
45°	231.6	233.8	238.1	268.1	278.8
47.5°	220.9	223.0	233.8	265.9	274.5
50°	208.0	212.3	229.5	259.5	265.9
52.5°	197.3	199.4	223.0	248.8	248.8
55°	184.4	186.6	218.8	231.6	231.6
57.5°	171.6	173.7	208.0	212.3	212.3
60°	158.7	160.8	195.2	195.2	195.2
62.5°	143.7	148.0	175.9	178.0	178.0
65°	130.8	137.3	156.6	158.7	158.7
67.5°	115.8	126.5	139.4	141.5	141.5
70°	102.9	115.8	120.1	122.2	122.2
72.5°	87.9	100.8	102.9	105.1	105.1
75°	72.9	85.8	85.8	87.9	87.9
77.5°	57.9	68.6	70.8	70.8	70.8
80°	45.0	51.5	55.8	53.6	53.6
82.5°	32.2	40.7	40.7	40.7	38.6
85°	21.4	34.3	30.0	27.9	25.7
87.5°	12.9	30.0	17.2	15.0	15.0
90°	4.3	12.9	10.7	2.1	2.1
92.5°	8.6	21.4	10.7	8.6	6.4
95°	17.2	85.8	102.9	21.4	21.4
97.5°	32.2	143.7	220.9	261.6	280.9
100°	49.3	214.5	296.0	362.4	386.0
102.5°	70.8	259.5	364.6	448.2	482.5
105°	94.4	304.5	461.1	531.9	574.8
107.5°	118.0	338.8	536.2	615.5	645.5
110°	145.8	366.7	583.3	720.6	729.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	171.6	388.2	609.1	772.1	819.2
115°	195.2	411.8	647.7	802.1	851.4
117.5°	223.0	428.9	671.3	819.2	872.9
120°	248.8	443.9	688.4	840.7	879.3
122.5°	272.4	461.1	701.3	857.8	900.7
125°	293.8	476.1	709.9	864.3	907.2
127.5°	315.3	489.0	712.0	866.4	911.5
130°	338.8	501.8	716.3	864.3	909.3
132.5°	362.4	514.7	714.2	857.8	898.6
135°	379.6	523.3	709.9	849.3	885.7
137.5°	396.8	529.7	705.6	836.4	870.7
140°	411.8	534.0	699.1	821.4	853.6
142.5°	428.9	536.2	694.9	806.4	834.3
145°	443.9	536.2	688.4	789.2	815.0
147.5°	458.9	534.0	679.8	772.1	793.5
150°	469.7	529.7	671.3	754.9	772.1
152.5°	478.2	525.4	660.5	735.6	752.8
155°	489.0	523.3	647.7	718.4	731.3
157.5°	497.5	523.3	632.7	699.1	712.0
160°	506.1	523.3	615.5	679.8	690.6
162.5°	516.9	523.3	591.9	652.0	662.7
165°	527.6	525.4	574.8	624.1	632.7
167.5°	534.0	525.4	557.6	589.8	598.3
170°	538.3	529.7	542.6	566.2	568.3
172.5°	540.4	534.0	531.9	542.6	542.6
175°	540.4	534.0	531.9	531.9	527.6
177.5°	540.4	536.2	536.2	534.0	527.6
180°	536.2	536.2	536.2	536.2	536.2

(END OF REPORT)