

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: P275106

Luminaire Tested: **J3-FL-40L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-40L82765-1D-UNV-W2A-W-4 (4000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3838.4 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

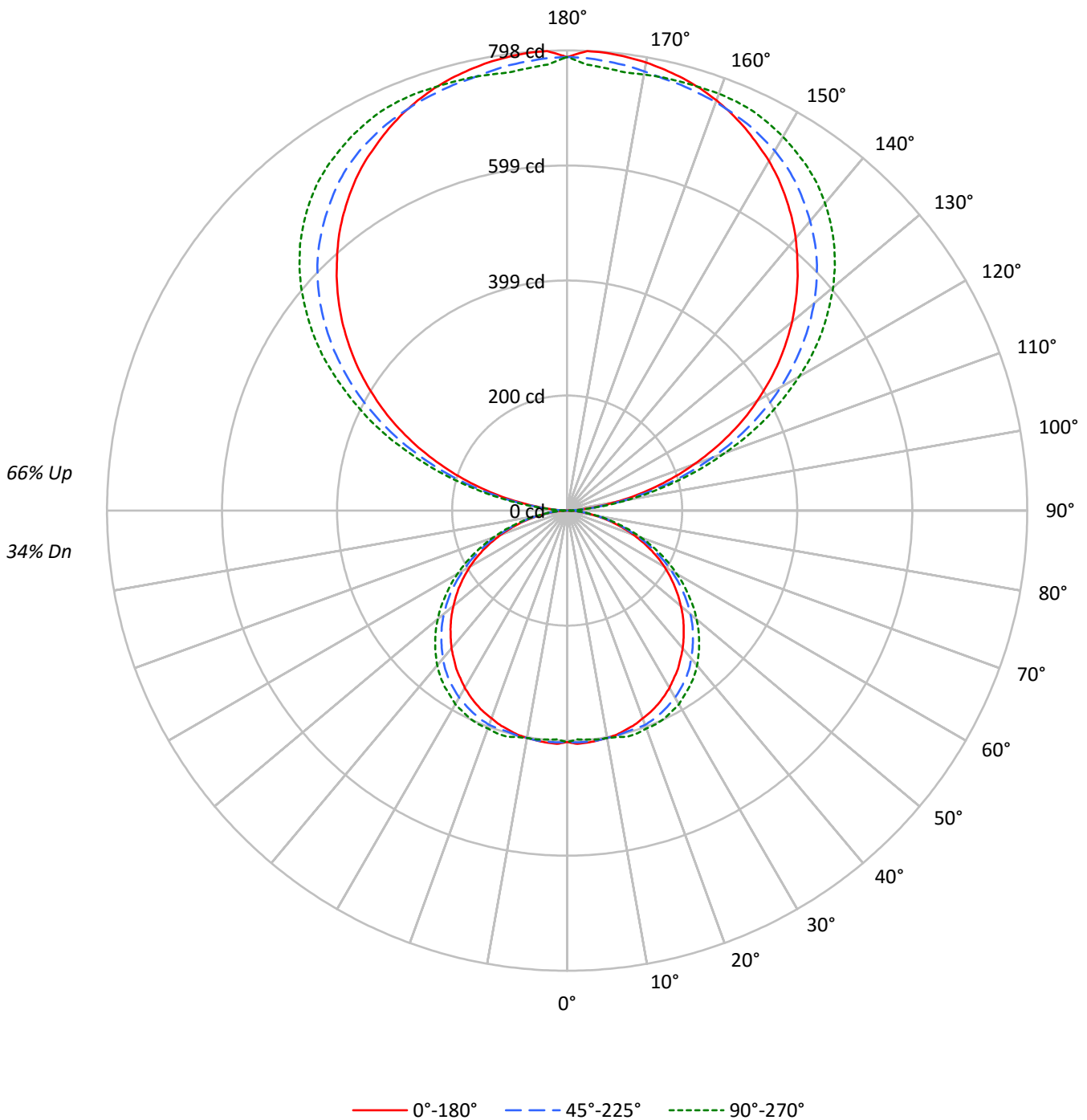
Input Watts (W): 28.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3240	3240	3240
5°	3273	3260	3231
10°	3282	3282	3282
15°	3289	3319	3392
20°	3293	3397	3456
25°	3307	3445	3545
30°	3308	3493	3614
35°	3302	3522	3659
40°	3287	3530	3694
45°	3265	3521	3697
50°	3234	3505	3679
55°	3199	3457	3624
60°	3140	3366	3547
65°	3043	3240	3423
70°	2868	3052	3210
75°	2633	2795	2929
80°	2287	2441	2529
85°	1834	1899	2001



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.3	1.0
10°-20°	112.6	2.9
20°-30°	177.4	4.6
30°-40°	221.6	5.8
40°-50°	236.2	6.2
50°-60°	217.8	5.7
60°-70°	167.3	4.4
70°-80°	94.8	2.5
80°-90°	25.0	0.7
90°-100°	40.2	1.0
100°-110°	189.4	4.9
110°-120°	343.2	8.9
120°-130°	440.9	11.5
130°-140°	469.0	12.2
140°-150°	431.6	11.2
150°-160°	341.7	8.9
160°-170°	217.0	5.7
170°-180°	74.4	1.9
0°-30°	328.3	8.6
0°-40°	549.9	14.3
0°-60°	1003.9	26.2
0°-90°	1290.9	33.6
90°-120°	572.8	14.9
90°-150°	1914.3	49.9
90°-180°	2547.0	66.4
0°-180°	3838.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	401	401	401	401	401	
5°	404	400	402	401	399	38
15°	394	392	397	404	406	111
25°	371	372	387	395	398	171
35°	335	341	357	366	371	209
45°	286	294	308	318	324	220
55°	227	234	246	253	258	203
65°	159	163	170	176	179	157
75°	84	86	90	93	94	90
85°	20	20	20	22	22	22
90°	1	1	1	0	0	3
95°	27	28	30	32	34	35
105°	158	165	181	192	197	168
115°	310	323	350	372	382	306
125°	448	462	497	524	539	400
135°	565	574	612	639	655	436
145°	662	659	692	714	727	414
155°	731	721	740	755	764	337
165°	776	764	764	766	769	219
175°	797	787	782	776	770	76
180°	786	786	786	786	786	



TEST NUMBER: P275106

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	401.3	401.3	401.3	401.3	401.3
2.5°	404.9	401.3	402.3	402.3	397.1
5°	403.9	400.4	402.3	401.3	398.7
7.5°	402.3	399.7	402.3	402.3	400.4
10°	400.4	398.0	400.4	401.3	400.4
12.5°	398.0	395.4	399.7	401.3	402.3
15°	393.5	391.8	397.1	403.9	405.8
17.5°	389.4	388.5	396.3	403.9	404.9
20°	383.3	383.3	395.4	401.3	402.3
22.5°	378.2	378.2	391.8	398.0	401.3
25°	371.3	372.1	386.8	394.6	398.0
27.5°	363.5	366.1	380.7	389.4	392.8
30°	354.9	359.2	374.7	383.3	387.7
32.5°	344.7	350.5	366.1	374.7	379.0
35°	335.0	341.1	357.4	366.1	371.3
37.5°	323.1	330.7	347.1	355.7	361.8
40°	311.9	319.7	335.0	344.7	350.5
42.5°	298.9	307.4	322.1	331.6	337.6
45°	286.0	293.7	308.4	317.9	323.8
47.5°	272.2	280.0	294.7	303.3	309.1
50°	257.5	266.1	279.1	287.7	292.9
52.5°	242.8	250.6	262.7	271.4	276.5
55°	227.3	234.2	245.6	253.4	257.5
57.5°	210.9	217.8	227.3	235.1	239.4
60°	194.5	199.8	208.5	216.1	219.7
62.5°	177.4	181.8	189.5	195.6	199.8
65°	159.3	162.8	169.6	175.7	179.2
67.5°	140.5	143.8	149.8	155.0	157.6
70°	121.5	124.8	129.3	133.4	136.0
72.5°	103.2	105.1	109.4	112.9	114.6
75°	84.4	86.1	89.6	93.0	93.9
77.5°	67.2	68.0	70.8	72.5	73.2
80°	49.2	50.9	52.5	53.3	54.4
82.5°	33.5	34.5	35.2	36.2	36.9
85°	19.8	20.5	20.5	21.6	21.6
87.5°	8.6	9.5	9.5	9.5	9.5
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.6	8.6	9.5	10.3	11.2
95°	26.7	27.6	30.2	31.9	33.5
97.5°	53.3	55.1	60.2	64.6	66.3
100°	86.1	89.6	97.4	103.2	106.0
102.5°	121.5	126.5	137.9	146.4	150.7
105°	158.5	165.4	180.9	192.1	197.3
107.5°	196.4	205.1	224.9	237.7	244.6
110°	234.2	245.6	267.0	284.2	289.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	272.2	284.2	310.0	329.0	338.5
115°	310.0	323.1	350.5	372.1	382.5
117.5°	346.4	360.0	390.2	414.4	423.7
120°	380.7	395.4	428.2	453.1	464.3
122.5°	415.1	429.1	463.4	490.0	504.0
125°	447.9	461.7	497.1	524.5	539.2
127.5°	479.0	491.7	528.9	557.3	571.1
130°	509.0	521.1	559.0	586.7	602.2
132.5°	537.5	548.7	586.7	613.4	629.7
135°	565.1	573.7	612.4	639.1	654.7
137.5°	590.8	597.0	635.0	661.6	676.3
140°	616.7	618.6	655.5	680.4	695.9
142.5°	640.0	639.1	674.5	698.5	713.2
145°	661.6	659.0	692.5	714.0	727.0
147.5°	682.1	676.3	708.0	726.2	738.2
150°	700.2	692.5	720.1	738.2	748.5
152.5°	715.7	707.1	730.4	746.8	757.0
155°	731.3	721.0	739.9	755.4	764.1
157.5°	745.1	732.1	746.8	760.6	767.6
160°	757.0	744.3	753.7	764.1	769.3
162.5°	767.6	754.6	758.9	764.9	769.3
165°	776.2	764.1	764.1	766.5	769.3
167.5°	782.9	772.7	767.6	768.4	769.3
170°	789.1	778.6	773.4	768.4	767.6
172.5°	793.3	782.9	778.6	771.7	766.5
175°	796.7	787.4	782.0	776.2	770.1
177.5°	797.6	789.8	785.5	779.6	774.3
180°	786.5	786.5	786.5	786.5	786.5

(END OF REPORT)