

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: P275092

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275092
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-30L82765-1D-UNV-W2A-W-4 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2973.9 lumens
Efficiency: N/A
Efficacy: 140.3 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

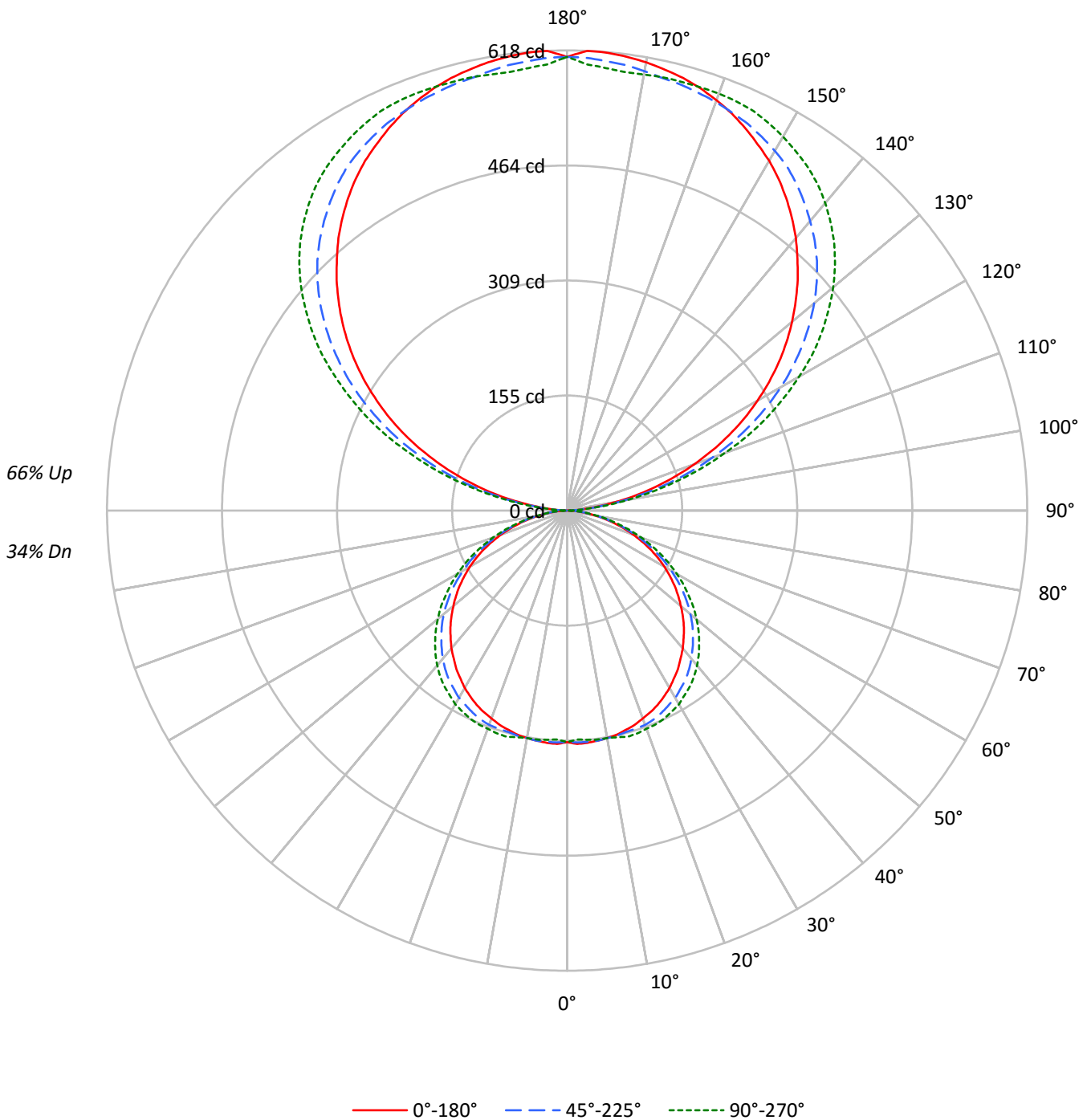
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2510	2510	2510
5°	2536	2526	2503
10°	2543	2543	2543
15°	2548	2571	2628
20°	2551	2631	2678
25°	2563	2670	2746
30°	2564	2706	2800
35°	2558	2729	2835
40°	2546	2736	2861
45°	2530	2727	2864
50°	2506	2715	2850
55°	2479	2677	2808
60°	2433	2608	2748
65°	2357	2510	2653
70°	2221	2365	2488
75°	2040	2165	2271
80°	1771	1892	1957
85°	1417	1473	1547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	1.0
10°-20°	87.2	2.9
20°-30°	137.4	4.6
30°-40°	171.7	5.8
40°-50°	183.0	6.2
50°-60°	168.8	5.7
60°-70°	129.6	4.4
70°-80°	73.4	2.5
80°-90°	19.4	0.7
90°-100°	31.2	1.0
100°-110°	146.7	4.9
110°-120°	265.9	8.9
120°-130°	341.6	11.5
130°-140°	363.4	12.2
140°-150°	334.4	11.2
150°-160°	264.8	8.9
160°-170°	168.1	5.7
170°-180°	57.7	1.9
0°-30°	254.3	8.6
0°-40°	426.0	14.3
0°-60°	777.8	26.2
0°-90°	1000.2	33.6
90°-120°	443.8	14.9
90°-150°	1483.2	49.9
90°-180°	1974.0	66.4
0°-180°	2973.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	311	311	311	311	311	
5°	313	310	312	311	309	30
15°	305	304	308	313	314	86
25°	288	288	300	306	308	133
35°	260	264	277	284	288	162
45°	222	228	239	246	251	171
55°	176	182	190	196	200	157
65°	123	126	131	136	139	122
75°	65	67	69	72	73	69
85°	15	16	16	17	17	17
90°	1	1	1	0	0	2
95°	21	21	23	25	26	27
105°	123	128	140	149	153	130
115°	240	250	272	288	296	237
125°	347	358	385	406	418	310
135°	438	444	474	495	507	338
145°	513	511	537	553	563	321
155°	567	559	573	585	592	261
165°	601	592	592	594	596	170
175°	617	610	606	601	597	59
180°	609	609	609	609	609	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	310.9	310.9	310.9	310.9	310.9
2.5°	313.7	310.9	311.7	311.7	307.6
5°	313.0	310.2	311.7	310.9	308.9
7.5°	311.7	309.6	311.7	311.7	310.2
10°	310.2	308.3	310.2	310.9	310.2
12.5°	308.3	306.3	309.6	310.9	311.7
15°	304.9	303.6	307.6	313.0	314.4
17.5°	301.7	301.0	307.0	313.0	313.7
20°	296.9	296.9	306.3	310.9	311.7
22.5°	293.0	293.0	303.6	308.3	310.9
25°	287.7	288.3	299.7	305.7	308.3
27.5°	281.6	283.7	294.9	301.7	304.3
30°	275.0	278.3	290.3	296.9	300.4
32.5°	267.0	271.5	283.7	290.3	293.6
35°	259.6	264.3	276.9	283.7	287.7
37.5°	250.3	256.2	268.9	275.6	280.3
40°	241.6	247.7	259.6	267.0	271.5
42.5°	231.6	238.2	249.6	256.9	261.6
45°	221.6	227.5	238.9	246.3	250.9
47.5°	210.9	217.0	228.3	235.0	239.5
50°	199.5	206.2	216.2	222.9	226.9
52.5°	188.1	194.2	203.5	210.3	214.2
55°	176.1	181.5	190.2	196.3	199.5
57.5°	163.4	168.8	176.1	182.2	185.5
60°	150.7	154.8	161.5	167.5	170.2
62.5°	137.4	140.9	146.8	151.6	154.8
65°	123.4	126.2	131.4	136.1	138.9
67.5°	108.8	111.4	116.1	120.1	122.1
70°	94.1	96.7	100.2	103.4	105.4
72.5°	80.0	81.4	84.7	87.5	88.8
75°	65.4	66.7	69.4	72.0	72.8
77.5°	52.1	52.7	54.8	56.1	56.7
80°	38.1	39.4	40.7	41.3	42.1
82.5°	26.0	26.7	27.3	28.0	28.6
85°	15.3	15.9	15.9	16.7	16.7
87.5°	6.6	7.4	7.4	7.4	7.4
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.6	6.6	7.4	8.0	8.7
95°	20.7	21.4	23.4	24.7	26.0
97.5°	41.3	42.7	46.6	50.1	51.4
100°	66.7	69.4	75.5	80.0	82.1
102.5°	94.1	98.0	106.8	113.5	116.8
105°	122.8	128.2	140.2	148.8	152.9
107.5°	152.2	158.9	174.2	184.2	189.5
110°	181.5	190.2	206.9	220.2	224.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	210.9	220.2	240.2	254.9	262.3
115°	240.2	250.3	271.5	288.3	296.4
117.5°	268.3	278.9	302.3	321.0	328.3
120°	294.9	306.3	331.7	351.1	359.7
122.5°	321.6	332.4	359.0	379.7	390.5
125°	347.0	357.7	385.1	406.4	417.8
127.5°	371.1	381.0	409.8	431.8	442.5
130°	394.4	403.8	433.1	454.6	466.5
132.5°	416.5	425.1	454.6	475.2	487.9
135°	437.8	444.5	474.5	495.1	507.3
137.5°	457.8	462.5	491.9	512.6	524.0
140°	477.8	479.2	507.8	527.2	539.2
142.5°	495.9	495.1	522.6	541.2	552.6
145°	512.6	510.6	536.6	553.2	563.3
147.5°	528.5	524.0	548.6	562.7	571.9
150°	542.5	536.6	557.9	571.9	579.9
152.5°	554.5	547.8	565.9	578.6	586.5
155°	566.6	558.6	573.2	585.2	592.0
157.5°	577.3	567.2	578.6	589.3	594.7
160°	586.5	576.7	583.9	592.0	596.0
162.5°	594.7	584.6	588.0	592.6	596.0
165°	601.4	592.0	592.0	593.9	596.0
167.5°	606.6	598.6	594.7	595.3	596.0
170°	611.3	603.3	599.2	595.3	594.7
172.5°	614.7	606.6	603.3	597.9	593.9
175°	617.3	610.0	605.9	601.4	596.6
177.5°	618.0	611.9	608.6	604.0	599.9
180°	609.3	609.3	609.3	609.3	609.3

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