

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: P275102

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275102
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-30L92765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2740.0 lumens
Efficiency: N/A
Efficacy: 126.3 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

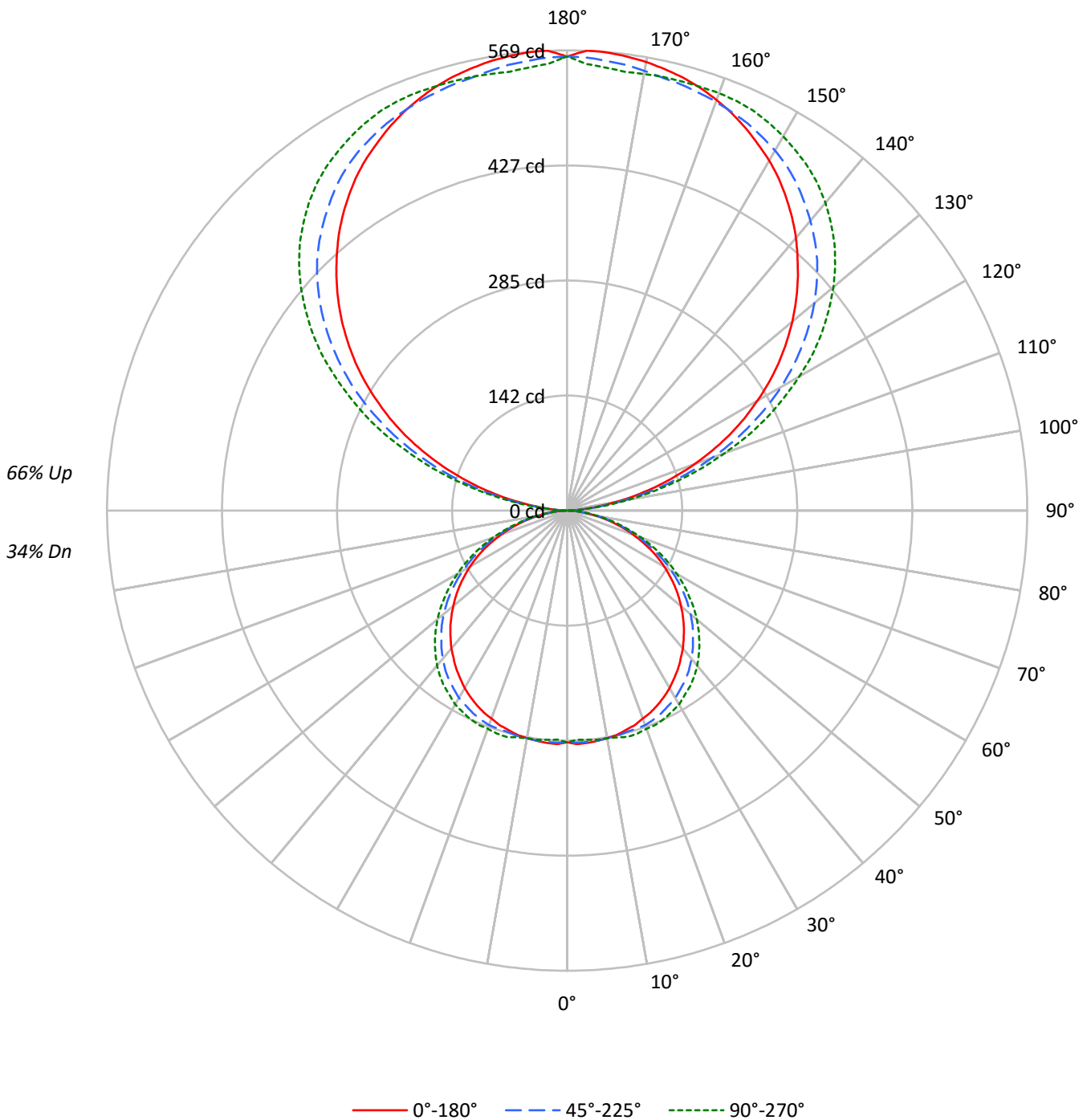
Input Watts (W): 21.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2313	2313	2313
5°	2337	2327	2306
10°	2343	2343	2343
15°	2348	2369	2421
20°	2351	2424	2467
25°	2361	2459	2531
30°	2362	2494	2580
35°	2356	2514	2613
40°	2346	2520	2637
45°	2331	2513	2640
50°	2308	2502	2626
55°	2284	2467	2587
60°	2243	2403	2532
65°	2172	2311	2443
70°	2046	2179	2292
75°	1881	1996	2090
80°	1632	1743	1804
85°	1306	1362	1426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	1.0
10°-20°	80.4	2.9
20°-30°	126.6	4.6
30°-40°	158.2	5.8
40°-50°	168.6	6.2
50°-60°	155.5	5.7
60°-70°	119.4	4.4
70°-80°	67.7	2.5
80°-90°	17.8	0.7
90°-100°	28.7	1.0
100°-110°	135.2	4.9
110°-120°	245.0	8.9
120°-130°	314.7	11.5
130°-140°	334.8	12.2
140°-150°	308.1	11.2
150°-160°	244.0	8.9
160°-170°	154.9	5.7
170°-180°	53.1	1.9
0°-30°	234.3	8.6
0°-40°	392.5	14.3
0°-60°	716.6	26.2
0°-90°	921.6	33.6
90°-120°	408.9	14.9
90°-150°	1366.5	49.9
90°-180°	1818.0	66.4
0°-180°	2740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	288	286	287	286	285	27
15°	281	280	283	288	290	79
25°	265	266	276	282	284	122
35°	239	244	255	261	265	149
45°	204	210	220	227	231	157
55°	162	167	175	181	184	145
65°	114	116	121	125	128	112
75°	60	62	64	66	67	64
85°	14	15	15	15	15	16
90°	1	1	1	0	0	2
95°	19	20	22	23	24	25
105°	113	118	129	137	141	120
115°	221	231	250	266	273	218
125°	320	330	355	374	385	285
135°	403	410	437	456	467	311
145°	472	470	494	510	519	295
155°	522	515	528	539	545	241
165°	554	545	545	547	549	156
175°	569	562	558	554	550	54
180°	561	561	561	561	561	



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CATALOG NUMBER: J3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	286.5	286.5	286.5	286.5	286.5
2.5°	289.0	286.5	287.2	287.2	283.4
5°	288.4	285.8	287.2	286.5	284.6
7.5°	287.2	285.3	287.2	287.2	285.8
10°	285.8	284.1	285.8	286.5	285.8
12.5°	284.1	282.2	285.3	286.5	287.2
15°	280.9	279.7	283.4	288.4	289.7
17.5°	278.0	277.3	282.9	288.4	289.0
20°	273.6	273.6	282.2	286.5	287.2
22.5°	270.0	270.0	279.7	284.1	286.5
25°	265.1	265.6	276.1	281.7	284.1
27.5°	259.5	261.3	271.7	278.0	280.4
30°	253.4	256.4	267.5	273.6	276.8
32.5°	246.0	250.2	261.3	267.5	270.5
35°	239.1	243.5	255.1	261.3	265.1
37.5°	230.6	236.1	247.8	253.9	258.3
40°	222.6	228.2	239.1	246.0	250.2
42.5°	213.3	219.5	230.0	236.7	241.0
45°	204.2	209.6	220.1	226.9	231.2
47.5°	194.3	199.9	210.4	216.5	220.7
50°	183.8	189.9	199.2	205.4	209.1
52.5°	173.3	178.9	187.5	193.8	197.4
55°	162.3	167.2	175.3	180.9	183.8
57.5°	150.6	155.5	162.3	167.9	170.9
60°	138.9	142.6	148.8	154.3	156.8
62.5°	126.6	129.8	135.3	139.6	142.6
65°	113.7	116.2	121.0	125.4	127.9
67.5°	100.3	102.7	106.9	110.7	112.5
70°	86.7	89.1	92.3	95.2	97.1
72.5°	73.7	75.0	78.1	80.6	81.8
75°	60.3	61.5	64.0	66.4	67.0
77.5°	48.0	48.6	50.5	51.7	52.3
80°	35.1	36.3	37.5	38.1	38.8
82.5°	23.9	24.6	25.2	25.8	26.4
85°	14.1	14.7	14.7	15.4	15.4
87.5°	6.1	6.8	6.8	6.8	6.8
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.1	6.1	6.8	7.3	8.0
95°	19.0	19.7	21.5	22.7	23.9
97.5°	38.1	39.4	43.0	46.1	47.3
100°	61.5	64.0	69.5	73.7	75.7
102.5°	86.7	90.3	98.4	104.5	107.6
105°	113.2	118.1	129.1	137.1	140.8
107.5°	140.2	146.4	160.5	169.7	174.6
110°	167.2	175.3	190.6	202.8	206.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	194.3	202.8	221.3	234.9	241.7
115°	221.3	230.6	250.2	265.6	273.0
117.5°	247.2	257.0	278.5	295.8	302.5
120°	271.7	282.2	305.6	323.5	331.4
122.5°	296.3	306.3	330.8	349.8	359.8
125°	319.7	329.6	354.8	374.4	384.9
127.5°	341.9	351.0	377.6	397.8	407.7
130°	363.4	372.0	399.0	418.8	429.9
132.5°	383.7	391.7	418.8	437.8	449.5
135°	403.4	409.5	437.2	456.2	467.4
137.5°	421.8	426.1	453.3	472.3	482.8
140°	440.2	441.6	467.9	485.7	496.8
142.5°	456.9	456.2	481.5	498.6	509.1
145°	472.3	470.4	494.4	509.7	519.0
147.5°	486.9	482.8	505.4	518.4	527.0
150°	499.8	494.4	514.1	527.0	534.3
152.5°	510.9	504.8	521.4	533.1	540.4
155°	522.0	514.7	528.2	539.2	545.4
157.5°	531.9	522.6	533.1	542.9	548.0
160°	540.4	531.3	538.0	545.4	549.2
162.5°	548.0	538.7	541.7	546.0	549.2
165°	554.1	545.4	545.4	547.2	549.2
167.5°	558.9	551.6	548.0	548.5	549.2
170°	563.3	555.8	552.1	548.5	548.0
172.5°	566.3	558.9	555.8	550.9	547.2
175°	568.7	562.1	558.2	554.1	549.7
177.5°	569.4	563.8	560.7	556.5	552.8
180°	561.4	561.4	561.4	561.4	561.4

(END OF REPORT)