

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: P275088

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275088
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2725.6 lumens
Efficiency: N/A
Efficacy: 132.3 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

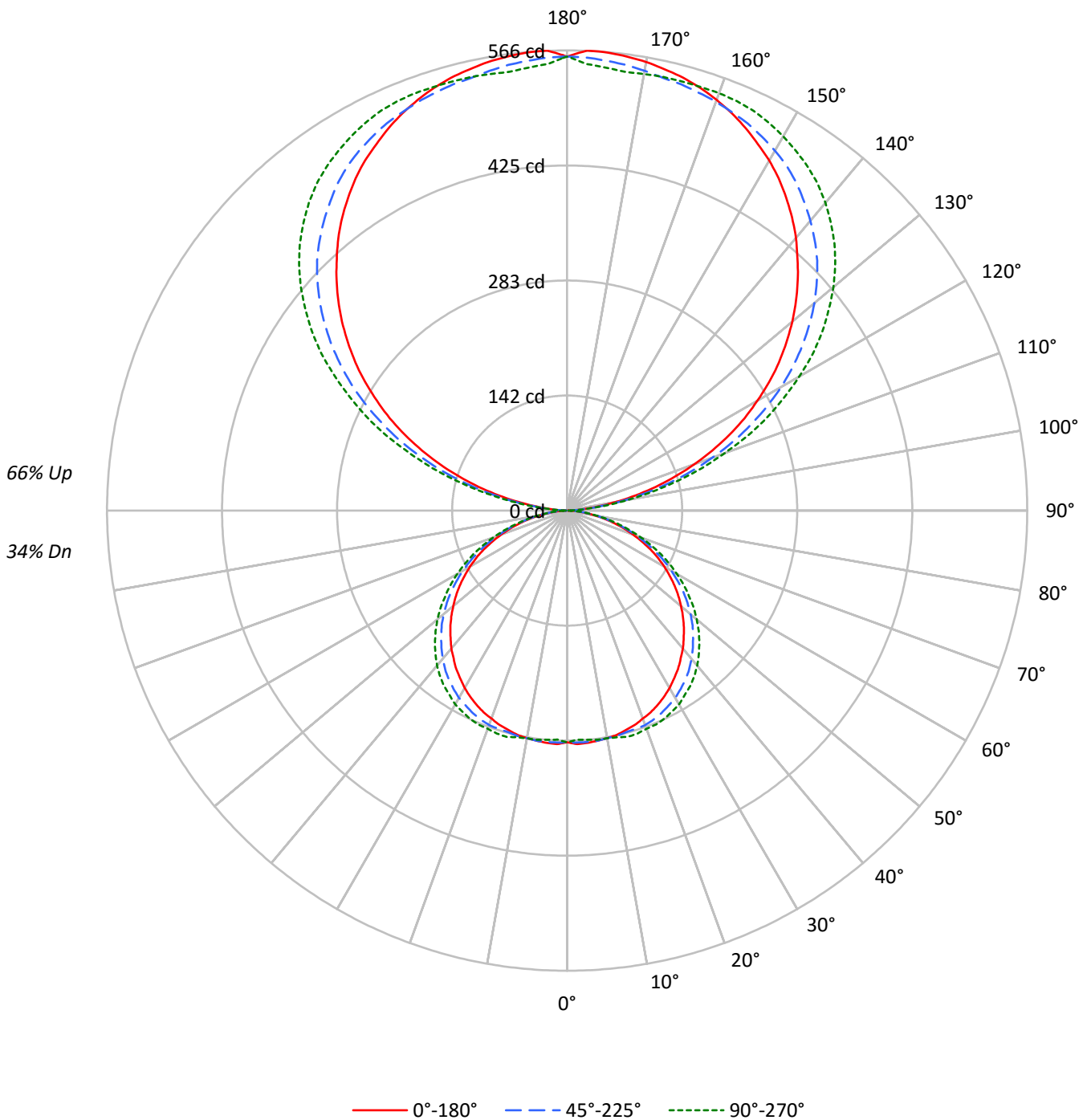
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2301	2301	2301
5°	2324	2314	2294
10°	2331	2331	2331
15°	2335	2356	2408
20°	2338	2412	2454
25°	2349	2447	2517
30°	2349	2481	2566
35°	2345	2501	2599
40°	2334	2507	2623
45°	2319	2500	2625
50°	2296	2489	2612
55°	2272	2455	2573
60°	2230	2390	2519
65°	2160	2300	2432
70°	2037	2167	2280
75°	1868	1984	2080
80°	1623	1734	1795
85°	1297	1352	1417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	1.0
10°-20°	80.0	2.9
20°-30°	125.9	4.6
30°-40°	157.4	5.8
40°-50°	167.7	6.2
50°-60°	154.7	5.7
60°-70°	118.8	4.4
70°-80°	67.3	2.5
80°-90°	17.7	0.7
90°-100°	28.6	1.0
100°-110°	134.5	4.9
110°-120°	243.7	8.9
120°-130°	313.1	11.5
130°-140°	333.0	12.2
140°-150°	306.4	11.2
150°-160°	242.7	8.9
160°-170°	154.1	5.7
170°-180°	52.8	1.9
0°-30°	233.1	8.6
0°-40°	390.5	14.3
0°-60°	712.9	26.2
0°-90°	916.7	33.6
90°-120°	406.8	14.9
90°-150°	1359.3	49.9
90°-180°	1809.0	66.4
0°-180°	2725.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	285	285	285	285	285	
5°	287	284	286	285	283	27
15°	279	278	282	287	288	79
25°	264	264	275	280	283	122
35°	238	242	254	260	264	149
45°	203	208	219	226	230	157
55°	161	166	174	180	183	144
65°	113	116	120	125	127	112
75°	60	61	64	66	67	64
85°	14	15	15	15	15	16
90°	1	1	1	0	0	2
95°	19	20	21	23	24	25
105°	113	118	128	136	140	119
115°	220	229	249	264	272	217
125°	318	328	353	372	383	284
135°	401	407	435	454	465	309
145°	470	468	492	507	516	294
155°	519	512	525	536	543	239
165°	551	543	543	544	546	156
175°	566	559	555	551	547	54
180°	558	558	558	558	558	



TEST NUMBER: P275088

CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	285.0	285.0	285.0	285.0	285.0
2.5°	287.5	285.0	285.6	285.6	281.9
5°	286.8	284.3	285.6	285.0	283.1
7.5°	285.6	283.8	285.6	285.6	284.3
10°	284.3	282.6	284.3	285.0	284.3
12.5°	282.6	280.7	283.8	285.0	285.6
15°	279.4	278.2	281.9	286.8	288.1
17.5°	276.5	275.8	281.4	286.8	287.5
20°	272.2	272.2	280.7	285.0	285.6
22.5°	268.6	268.6	278.2	282.6	285.0
25°	263.7	264.2	274.7	280.2	282.6
27.5°	258.1	260.0	270.3	276.5	278.9
30°	252.0	255.1	266.1	272.2	275.3
32.5°	244.7	248.9	260.0	266.1	269.1
35°	237.9	242.2	253.8	260.0	263.7
37.5°	229.4	234.8	246.5	252.6	256.9
40°	221.5	227.0	237.9	244.7	248.9
42.5°	212.2	218.3	228.8	235.5	239.7
45°	203.1	208.5	219.0	225.7	229.9
47.5°	193.3	198.8	209.3	215.4	219.5
50°	182.8	188.9	198.2	204.3	208.0
52.5°	172.4	178.0	186.5	192.7	196.3
55°	161.4	166.3	174.4	179.9	182.8
57.5°	149.8	154.7	161.4	167.0	170.0
60°	138.1	141.8	148.0	153.5	156.0
62.5°	126.0	129.1	134.6	138.9	141.8
65°	113.1	115.6	120.4	124.8	127.3
67.5°	99.7	102.1	106.4	110.1	111.9
70°	86.3	88.7	91.8	94.7	96.6
72.5°	73.3	74.6	77.7	80.2	81.4
75°	59.9	61.1	63.6	66.0	66.7
77.5°	47.8	48.3	50.3	51.4	52.0
80°	34.9	36.1	37.3	37.9	38.6
82.5°	23.8	24.5	25.0	25.7	26.2
85°	14.0	14.6	14.6	15.3	15.3
87.5°	6.1	6.7	6.7	6.7	6.7
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.1	6.1	6.7	7.3	7.9
95°	18.9	19.6	21.4	22.6	23.8
97.5°	37.9	39.2	42.7	45.9	47.1
100°	61.1	63.6	69.2	73.3	75.3
102.5°	86.3	89.8	97.9	104.0	107.0
105°	112.6	117.5	128.5	136.4	140.1
107.5°	139.4	145.6	159.7	168.8	173.7
110°	166.3	174.4	189.6	201.8	205.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	193.3	201.8	220.2	233.6	240.4
115°	220.2	229.4	248.9	264.2	271.6
117.5°	245.9	255.6	277.0	294.2	300.9
120°	270.3	280.7	304.0	321.8	329.7
122.5°	294.8	304.7	329.0	348.0	357.9
125°	318.1	327.8	353.0	372.4	382.9
127.5°	340.1	349.2	375.6	395.7	405.5
130°	361.5	370.0	396.9	416.6	427.6
132.5°	381.7	389.6	416.6	435.5	447.2
135°	401.3	407.4	434.9	453.8	464.9
137.5°	419.5	423.9	450.9	469.8	480.2
140°	437.9	439.2	465.4	483.2	494.2
142.5°	454.5	453.8	478.9	496.0	506.4
145°	469.8	467.9	491.8	507.0	516.2
147.5°	484.4	480.2	502.7	515.7	524.2
150°	497.2	491.8	511.3	524.2	531.5
152.5°	508.2	502.1	518.6	530.3	537.6
155°	519.3	512.0	525.4	536.4	542.6
157.5°	529.1	519.8	530.3	540.1	545.1
160°	537.6	528.5	535.2	542.6	546.3
162.5°	545.1	535.8	538.9	543.1	546.3
165°	551.2	542.6	542.6	544.3	546.3
167.5°	555.9	548.7	545.1	545.6	546.3
170°	560.3	552.9	549.2	545.6	545.1
172.5°	563.3	555.9	552.9	548.0	544.3
175°	565.7	559.1	555.3	551.2	546.8
177.5°	566.4	560.8	557.8	553.5	549.8
180°	558.4	558.4	558.4	558.4	558.4

(END OF REPORT)