

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: P275183

Luminaire Tested: **J3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2765.4 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

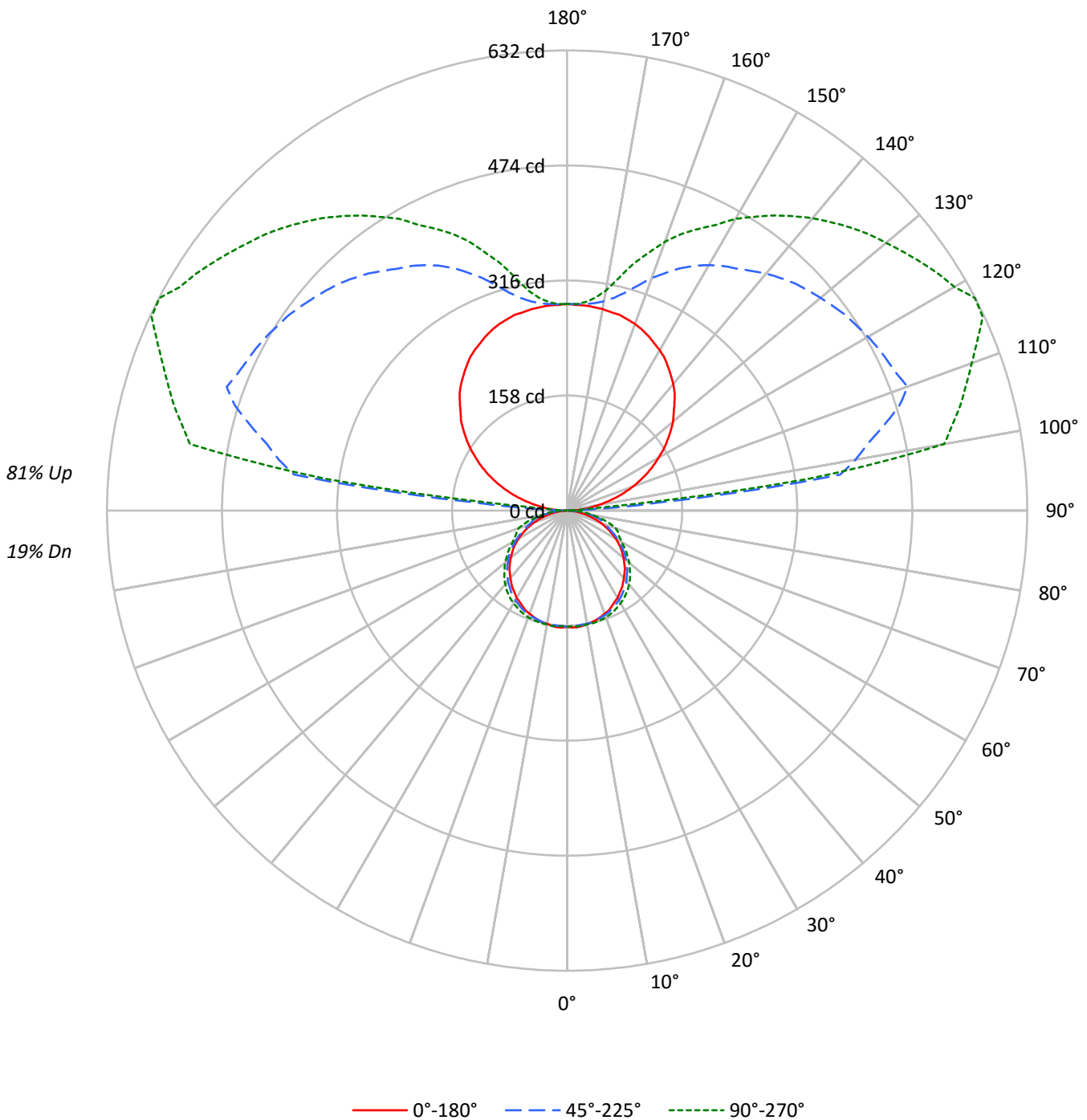
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275183

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P275183

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	0														
RCR																																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19						19														
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15						15														
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13						13														
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10						10														
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9						9														
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8						8														
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7						7														
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6						6														
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5						5														
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5						5														
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4						4														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1289	1289	1289
5°	1302	1287	1294
10°	1294	1294	1302
15°	1296	1296	1320
20°	1294	1309	1341
25°	1292	1317	1358
30°	1292	1326	1369
35°	1285	1329	1385
40°	1277	1335	1393
45°	1279	1331	1394
50°	1268	1326	1395
55°	1267	1317	1395
60°	1245	1305	1393
65°	1209	1280	1473
70°	1150	1301	1669
75°	1061	1488	1691
80°	939	1492	1623
85°	769	1704	1871



TEST NUMBER: P275183

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.5
10°-20°	44.1	1.6
20°-30°	68.4	2.5
30°-40°	84.7	3.1
40°-50°	90.2	3.3
50°-60°	84.1	3.0
60°-70°	68.5	2.5
70°-80°	47.0	1.7
80°-90°	18.4	0.7
90°-100°	161.6	5.8
100°-110°	417.8	15.1
110°-120°	433.2	15.7
120°-130°	385.0	13.9
130°-140°	320.9	11.6
140°-150°	244.6	8.8
150°-160°	164.8	6.0
160°-170°	89.4	3.2
170°-180°	27.5	1.0
0°-30°	127.7	4.6
0°-40°	212.4	7.7
0°-60°	386.7	14.0
0°-90°	520.7	18.8
90°-120°	1012.5	36.6
90°-150°	1963.1	71.0
90°-180°	2245.0	81.2
0°-180°	2765.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	160	160	160	160	160	
5°	161	160	159	159	160	15
15°	155	155	155	157	158	44
25°	145	146	148	152	152	67
35°	130	131	135	140	140	81
45°	112	114	117	121	122	86
55°	90	91	94	97	99	80
65°	63	65	67	73	77	62
75°	34	37	48	53	54	36
85°	8	15	18	20	20	9
90°	1	2	2	1	1	3
95°	23	181	128	22	22	23
105°	70	289	450	531	559	73
115°	121	298	486	606	630	120
125°	168	305	467	564	594	150
135°	208	314	442	524	550	161
145°	241	308	406	474	495	151
155°	264	295	367	415	427	122
165°	278	286	310	341	351	79
175°	283	284	285	286	287	27
180°	284	284	284	284	284	



TEST NUMBER: P275183

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	159.7	159.7	159.7	159.7	159.7
2.5°	160.7	160.7	158.8	158.8	158.8
5°	160.7	159.7	158.8	158.8	159.7
7.5°	159.7	159.7	157.9	158.8	159.7
10°	157.9	157.9	157.9	158.8	158.8
12.5°	157.0	157.0	157.0	157.9	158.8
15°	155.1	155.1	155.1	157.0	157.9
17.5°	153.3	153.3	154.2	156.1	157.0
20°	150.6	151.5	152.4	155.1	156.1
22.5°	148.7	148.7	150.6	153.3	154.2
25°	145.0	146.0	147.8	151.5	152.4
27.5°	141.4	142.3	145.0	148.7	149.6
30°	138.6	139.5	142.3	146.0	146.9
32.5°	134.0	135.9	138.6	143.2	144.1
35°	130.4	131.3	134.9	139.5	140.5
37.5°	125.8	127.6	130.4	134.9	136.8
40°	121.2	123.0	126.7	131.3	132.2
42.5°	116.6	118.4	121.2	125.8	127.6
45°	112.0	113.8	116.6	121.2	122.1
47.5°	106.5	108.3	111.1	115.7	116.6
50°	101.0	102.8	105.6	109.2	111.1
52.5°	95.5	97.3	100.1	103.7	104.7
55°	90.0	90.9	93.6	97.3	99.1
57.5°	83.5	85.4	87.2	90.9	92.7
60°	77.1	78.0	80.8	84.5	86.3
62.5°	69.8	71.6	74.4	78.0	81.7
65°	63.3	65.2	67.0	73.4	77.1
67.5°	56.0	57.8	60.6	68.9	75.3
70°	48.7	50.5	55.1	67.0	70.7
72.5°	41.3	43.1	50.5	61.5	63.3
75°	34.0	36.7	47.7	53.2	54.2
77.5°	26.6	29.4	40.4	43.1	44.1
80°	20.2	24.8	32.1	34.9	34.9
82.5°	13.8	21.1	24.8	26.6	27.5
85°	8.3	14.7	18.4	20.2	20.2
87.5°	4.6	9.2	12.9	15.6	14.7
90°	0.9	1.8	1.8	0.9	0.9
92.5°	12.9	37.6	11.0	10.1	10.1
95°	23.0	180.8	127.6	22.0	22.0
97.5°	33.0	221.2	378.2	445.2	335.1
100°	44.1	262.5	402.1	497.6	526.0
102.5°	56.0	281.8	422.3	511.3	541.6
105°	69.8	289.2	449.8	530.6	559.1
107.5°	82.6	293.8	478.3	548.0	574.7
110°	95.5	295.6	497.6	568.2	591.2



TEST NUMBER: P275183

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	108.3	297.4	490.2	592.1	609.6
115°	121.2	298.4	485.6	605.9	629.7
117.5°	133.1	300.2	482.0	592.1	631.6
120°	145.0	302.0	477.4	581.1	614.1
122.5°	157.0	303.9	471.9	572.8	605.0
125°	168.0	304.8	467.3	563.7	593.9
127.5°	179.0	306.6	460.8	554.5	582.9
130°	190.0	310.3	454.4	544.4	571.9
132.5°	198.3	313.0	448.0	535.2	561.8
135°	208.4	314.0	441.6	524.2	549.9
137.5°	218.5	314.0	433.3	513.2	537.0
140°	226.7	313.0	425.0	500.3	524.2
142.5°	234.1	311.2	414.9	487.5	509.5
145°	241.4	308.4	405.8	473.7	494.8
147.5°	248.8	305.7	398.4	459.0	478.3
150°	254.3	302.0	389.2	443.4	462.7
152.5°	258.9	297.4	379.1	428.7	442.5
155°	264.4	294.7	367.2	414.9	426.9
157.5°	269.0	291.0	353.4	400.2	411.3
160°	272.6	289.2	339.7	381.0	392.9
162.5°	275.4	286.4	324.1	361.7	370.9
165°	278.2	285.5	310.3	340.6	350.7
167.5°	279.1	283.7	299.3	318.5	326.8
170°	280.9	283.7	291.9	302.9	306.6
172.5°	281.8	283.7	287.3	292.8	294.7
175°	282.7	283.7	284.6	286.4	287.3
177.5°	282.7	283.7	283.7	283.7	283.7
180°	283.7	283.7	283.7	283.7	283.7

(END OF REPORT)