

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: P275188

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275188
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3102.8 lumens
Efficiency: N/A
Efficacy: 146.4 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

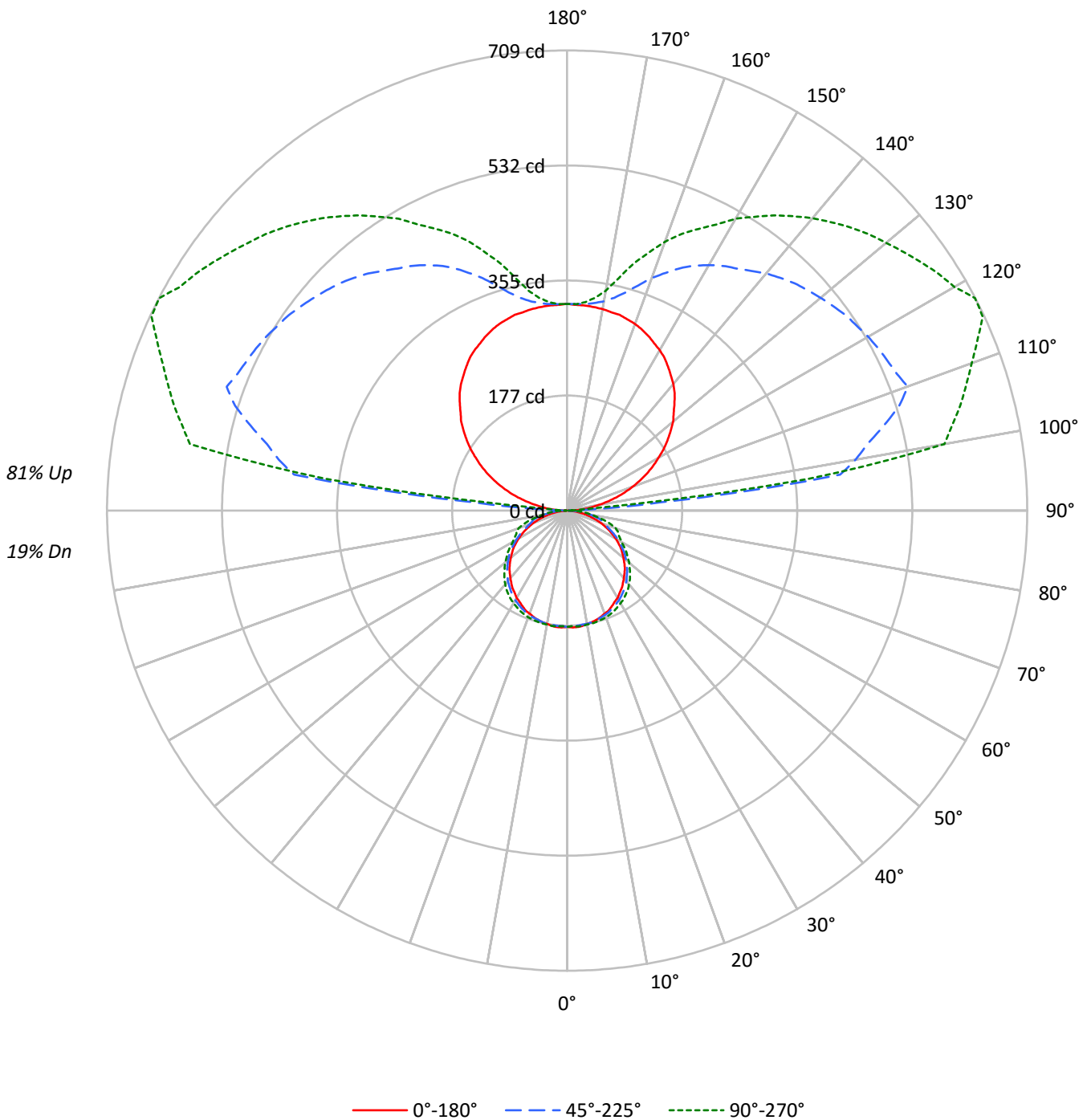
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275188

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275188

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1447	1447	1447
5°	1460	1444	1452
10°	1453	1453	1461
15°	1455	1455	1481
20°	1451	1469	1504
25°	1449	1477	1523
30°	1450	1488	1536
35°	1442	1492	1553
40°	1433	1498	1563
45°	1435	1493	1564
50°	1423	1487	1565
55°	1420	1479	1565
60°	1397	1463	1563
65°	1358	1436	1652
70°	1289	1459	1872
75°	1188	1672	1896
80°	1055	1674	1818
85°	861	1908	2103



TEST NUMBER: P275188

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.5
10°-20°	49.5	1.6
20°-30°	76.8	2.5
30°-40°	95.0	3.1
40°-50°	101.2	3.3
50°-60°	94.4	3.0
60°-70°	76.9	2.5
70°-80°	52.8	1.7
80°-90°	20.6	0.7
90°-100°	181.3	5.8
100°-110°	468.8	15.1
110°-120°	486.0	15.7
120°-130°	432.0	13.9
130°-140°	360.0	11.6
140°-150°	274.5	8.8
150°-160°	185.0	6.0
160°-170°	100.3	3.2
170°-180°	30.8	1.0
0°-30°	143.3	4.6
0°-40°	238.3	7.7
0°-60°	433.9	14.0
0°-90°	584.2	18.8
90°-120°	1136.1	36.6
90°-150°	2202.5	71.0
90°-180°	2519.0	81.2
0°-180°	3102.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	179	179	179	179	179	
5°	180	179	178	178	179	17
15°	174	174	174	176	177	49
25°	163	164	166	170	171	75
35°	146	147	151	157	158	91
45°	126	128	131	136	137	97
55°	101	102	105	109	111	90
65°	71	73	75	82	86	70
75°	38	41	54	60	61	40
85°	9	16	21	23	23	10
90°	1	2	2	1	1	3
95°	26	203	143	25	25	26
105°	78	324	505	595	627	82
115°	136	335	545	680	707	134
125°	188	342	524	632	666	169
135°	234	352	495	588	617	181
145°	271	346	455	532	555	170
155°	297	331	412	466	479	137
165°	312	320	348	382	394	88
175°	317	318	319	321	322	30
180°	318	318	318	318	318	



TEST NUMBER: P275188

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	179.2	179.2	179.2	179.2	179.2
2.5°	180.2	180.2	178.2	178.2	178.2
5°	180.2	179.2	178.2	178.2	179.2
7.5°	179.2	179.2	177.2	178.2	179.2
10°	177.2	177.2	177.2	178.2	178.2
12.5°	176.1	176.1	176.1	177.2	178.2
15°	174.1	174.1	174.1	176.1	177.2
17.5°	172.0	172.0	173.0	175.1	176.1
20°	168.9	169.9	171.0	174.1	175.1
22.5°	166.9	166.9	168.9	172.0	173.0
25°	162.7	163.8	165.8	169.9	171.0
27.5°	158.6	159.6	162.7	166.9	167.9
30°	155.5	156.6	159.6	163.8	164.8
32.5°	150.4	152.4	155.5	160.7	161.7
35°	146.3	147.3	151.4	156.6	157.6
37.5°	141.1	143.2	146.3	151.4	153.5
40°	136.0	138.0	142.1	147.3	148.3
42.5°	130.8	132.9	136.0	141.1	143.2
45°	125.7	127.7	130.8	136.0	137.0
47.5°	119.5	121.5	124.6	129.8	130.8
50°	113.3	115.4	118.4	122.6	124.6
52.5°	107.1	109.2	112.3	116.4	117.4
55°	100.9	102.0	105.1	109.2	111.2
57.5°	93.7	95.8	97.8	102.0	104.0
60°	86.5	87.5	90.6	94.8	96.8
62.5°	78.3	80.3	83.4	87.5	91.7
65°	71.1	73.1	75.2	82.4	86.5
67.5°	62.8	64.9	68.0	77.2	84.5
70°	54.6	56.6	61.8	75.2	79.3
72.5°	46.3	48.4	56.6	69.0	71.1
75°	38.1	41.2	53.6	59.7	60.8
77.5°	29.9	33.0	45.3	48.4	49.4
80°	22.7	27.8	36.0	39.1	39.1
82.5°	15.4	23.7	27.8	29.9	30.9
85°	9.3	16.5	20.6	22.7	22.7
87.5°	5.1	10.3	14.4	17.5	16.5
90°	1.0	2.1	2.1	1.0	1.0
92.5°	14.4	42.2	12.4	11.3	11.3
95°	25.7	202.9	143.2	24.7	24.7
97.5°	37.1	248.2	424.4	499.5	375.9
100°	49.4	294.6	451.1	558.3	590.2
102.5°	62.8	316.2	473.8	573.7	607.7
105°	78.3	324.4	504.7	595.3	627.3
107.5°	92.7	329.6	536.6	614.9	644.8
110°	107.1	331.7	558.3	637.6	663.3



TEST NUMBER: P275188

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	121.5	333.7	550.0	664.3	683.9
115°	136.0	334.7	544.9	679.8	706.6
117.5°	149.3	336.8	540.7	664.3	708.6
120°	162.7	338.9	535.6	652.0	689.1
122.5°	176.1	340.9	529.4	642.7	678.8
125°	188.5	342.0	524.3	632.4	666.4
127.5°	200.8	344.0	517.1	622.1	654.0
130°	213.2	348.1	509.8	610.8	641.7
132.5°	222.5	351.2	502.6	600.5	630.4
135°	233.8	352.3	495.4	588.1	617.0
137.5°	245.1	352.3	486.2	575.8	602.5
140°	254.4	351.2	476.9	561.3	588.1
142.5°	262.6	349.2	465.6	546.9	571.6
145°	270.9	346.1	455.3	531.5	555.2
147.5°	279.1	343.0	447.0	515.0	536.6
150°	285.3	338.9	436.7	497.5	519.1
152.5°	290.5	333.7	425.4	481.0	496.5
155°	296.6	330.6	412.0	465.6	478.9
157.5°	301.8	326.5	396.5	449.1	461.4
160°	305.9	324.4	381.1	427.4	440.8
162.5°	309.0	321.4	363.6	405.8	416.1
165°	312.1	320.3	348.1	382.1	393.5
167.5°	313.1	318.3	335.8	357.4	366.7
170°	315.2	318.3	327.5	339.9	344.0
172.5°	316.2	318.3	322.4	328.6	330.6
175°	317.2	318.3	319.3	321.4	322.4
177.5°	317.2	318.3	318.3	318.3	318.3
180°	318.3	318.3	318.3	318.3	318.3

(END OF REPORT)