

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: P275187

Luminaire Tested: **J3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275187
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3060.7 lumens
Efficiency: N/A
Efficacy: 145.1 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

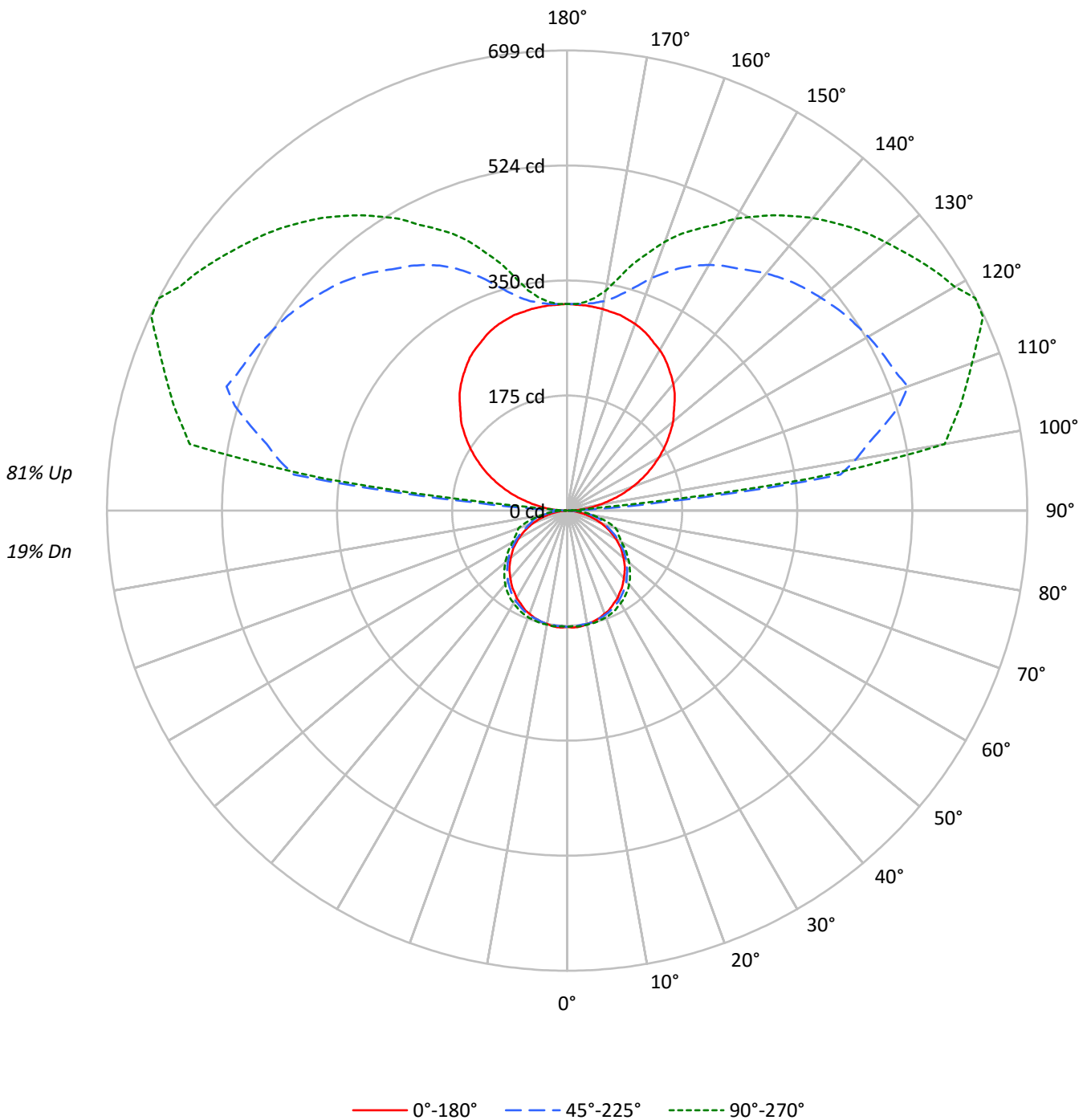
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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°	1427	1427	1427
5°	1441	1425	1433
10°	1433	1433	1441
15°	1435	1435	1461
20°	1431	1449	1484
25°	1430	1457	1503
30°	1430	1468	1516
35°	1422	1472	1532
40°	1413	1477	1542
45°	1416	1473	1542
50°	1404	1467	1544
55°	1402	1458	1544
60°	1377	1443	1542
65°	1339	1417	1629
70°	1270	1440	1846
75°	1173	1647	1868
80°	1041	1655	1795
85°	843	1880	2075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.5
10°-20°	48.8	1.6
20°-30°	75.7	2.5
30°-40°	93.7	3.1
40°-50°	99.8	3.3
50°-60°	93.1	3.0
60°-70°	75.9	2.5
70°-80°	52.1	1.7
80°-90°	20.4	0.7
90°-100°	178.8	5.8
100°-110°	462.4	15.1
110°-120°	479.4	15.7
120°-130°	426.1	13.9
130°-140°	355.1	11.6
140°-150°	270.8	8.8
150°-160°	182.4	6.0
160°-170°	98.9	3.2
170°-180°	30.4	1.0
0°-30°	141.4	4.6
0°-40°	235.1	7.7
0°-60°	428.0	14.0
0°-90°	576.3	18.8
90°-120°	1120.7	36.6
90°-150°	2172.6	71.0
90°-180°	2484.0	81.2
0°-180°	3060.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	177	177	177	177	177	
5°	178	177	176	176	177	17
15°	172	172	172	174	175	48
25°	160	162	164	168	169	74
35°	144	145	149	154	155	90
45°	124	126	129	134	135	95
55°	100	101	104	108	110	89
65°	70	72	74	81	85	69
75°	38	41	53	59	60	40
85°	9	16	20	22	22	10
90°	1	2	2	1	1	3
95°	25	200	141	24	24	25
105°	77	320	498	587	619	81
115°	134	330	538	671	697	132
125°	186	337	517	624	657	166
135°	231	348	489	580	609	178
145°	267	341	449	524	548	167
155°	293	326	406	459	472	135
165°	308	316	343	377	388	87
175°	313	314	315	317	318	30
180°	314	314	314	314	314	



TEST NUMBER: P275187

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	176.8	176.8	176.8	176.8	176.8
2.5°	177.8	177.8	175.8	175.8	175.8
5°	177.8	176.8	175.8	175.8	176.8
7.5°	176.8	176.8	174.8	175.8	176.8
10°	174.8	174.8	174.8	175.8	175.8
12.5°	173.7	173.7	173.7	174.8	175.8
15°	171.7	171.7	171.7	173.7	174.8
17.5°	169.7	169.7	170.7	172.7	173.7
20°	166.6	167.6	168.7	171.7	172.7
22.5°	164.6	164.6	166.6	169.7	170.7
25°	160.5	161.5	163.6	167.6	168.7
27.5°	156.5	157.5	160.5	164.6	165.6
30°	153.4	154.4	157.5	161.5	162.6
32.5°	148.3	150.4	153.4	158.5	159.5
35°	144.3	145.3	149.4	154.4	155.4
37.5°	139.2	141.2	144.3	149.4	151.4
40°	134.1	136.1	140.2	145.3	146.3
42.5°	129.0	131.1	134.1	139.2	141.2
45°	124.0	126.0	129.0	134.1	135.1
47.5°	117.9	119.9	122.9	128.0	129.0
50°	111.8	113.8	116.8	120.9	122.9
52.5°	105.7	107.7	110.7	114.8	115.8
55°	99.6	100.6	103.6	107.7	109.7
57.5°	92.5	94.5	96.5	100.6	102.6
60°	85.3	86.4	89.4	93.5	95.5
62.5°	77.2	79.2	82.3	86.4	90.4
65°	70.1	72.1	74.2	81.3	85.3
67.5°	62.0	64.0	67.1	76.2	83.3
70°	53.8	55.9	61.0	74.2	78.2
72.5°	45.7	47.8	55.9	68.1	70.1
75°	37.6	40.6	52.8	58.9	59.9
77.5°	29.5	32.5	44.7	47.8	48.8
80°	22.4	27.4	35.6	38.6	38.6
82.5°	15.2	23.4	27.4	29.5	30.5
85°	9.1	16.3	20.3	22.4	22.4
87.5°	5.1	10.2	14.2	17.3	16.3
90°	1.0	2.0	2.0	1.0	1.0
92.5°	14.2	41.7	12.2	11.2	11.2
95°	25.4	200.2	141.2	24.4	24.4
97.5°	36.6	244.9	418.6	492.8	370.8
100°	48.8	290.6	445.0	550.7	582.2
102.5°	62.0	311.9	467.4	565.9	599.4
105°	77.2	320.0	497.8	587.2	618.7
107.5°	91.4	325.1	529.3	606.6	636.0
110°	105.7	327.2	550.7	628.9	654.3



TEST NUMBER: P275187

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	119.9	329.2	542.5	655.3	674.6
115°	134.1	330.2	537.5	670.6	697.0
117.5°	147.3	332.2	533.4	655.3	699.0
120°	160.5	334.3	528.3	643.1	679.7
122.5°	173.7	336.3	522.2	634.0	669.5
125°	185.9	337.3	517.1	623.8	657.4
127.5°	198.1	339.3	510.0	613.7	645.2
130°	210.3	343.4	502.9	602.5	633.0
132.5°	219.5	346.5	495.8	592.3	621.8
135°	230.6	347.5	488.7	580.1	608.6
137.5°	241.8	347.5	479.6	567.9	594.4
140°	251.0	346.5	470.4	553.7	580.1
142.5°	259.1	344.4	459.2	539.5	563.9
145°	267.2	341.4	449.1	524.3	547.6
147.5°	275.3	338.3	440.9	508.0	529.3
150°	281.4	334.3	430.8	490.7	512.1
152.5°	286.5	329.2	419.6	474.5	489.7
155°	292.6	326.1	406.4	459.2	472.4
157.5°	297.7	322.1	391.2	443.0	455.2
160°	301.8	320.0	375.9	421.6	434.8
162.5°	304.8	317.0	358.6	400.3	410.5
165°	307.8	316.0	343.4	376.9	388.1
167.5°	308.9	313.9	331.2	352.6	361.7
170°	310.9	313.9	323.1	335.3	339.3
172.5°	311.9	313.9	318.0	324.1	326.1
175°	312.9	313.9	315.0	317.0	318.0
177.5°	312.9	313.9	313.9	313.9	313.9
180°	313.9	313.9	313.9	313.9	313.9

(END OF REPORT)