

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: P253570

Luminaire Tested: **J3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253570
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-30L83050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3170.7 lumens
Efficiency: N/A
Efficacy: 149.6 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

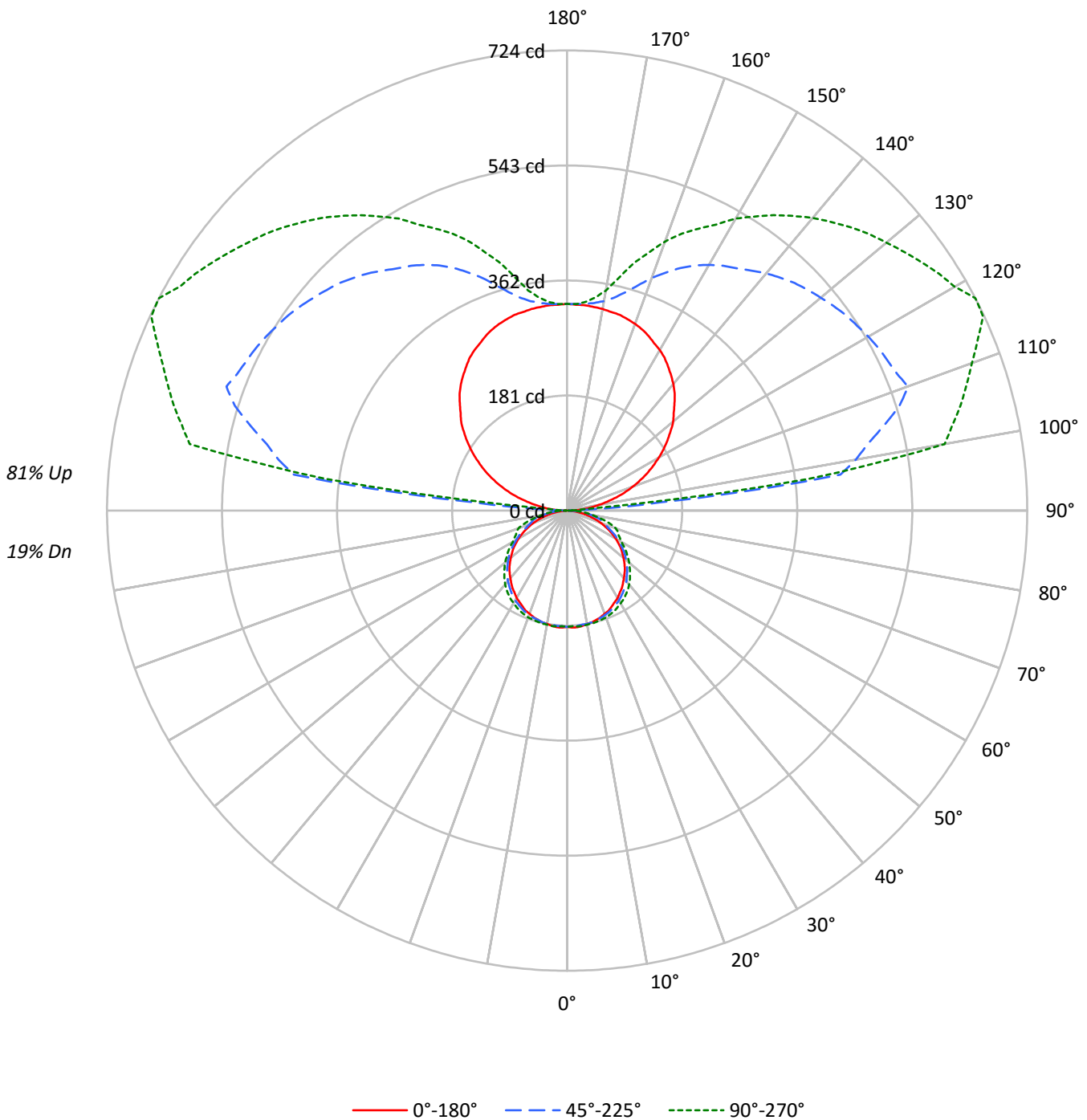
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1478	1478	1478
5°	1493	1476	1484
10°	1484	1484	1493
15°	1487	1487	1513
20°	1483	1501	1537
25°	1481	1510	1556
30°	1481	1520	1570
35°	1473	1525	1587
40°	1464	1530	1598
45°	1466	1526	1598
50°	1454	1520	1600
55°	1451	1512	1600
60°	1427	1495	1597
65°	1387	1467	1689
70°	1317	1492	1912
75°	1213	1706	1937
80°	1079	1711	1860
85°	880	1954	2149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.5
10°-20°	50.6	1.6
20°-30°	78.5	2.5
30°-40°	97.1	3.1
40°-50°	103.4	3.3
50°-60°	96.4	3.0
60°-70°	78.6	2.5
70°-80°	53.9	1.7
80°-90°	21.1	0.7
90°-100°	185.3	5.8
100°-110°	479.1	15.1
110°-120°	496.6	15.7
120°-130°	441.4	13.9
130°-140°	367.9	11.6
140°-150°	280.5	8.8
150°-160°	189.0	6.0
160°-170°	102.4	3.2
170°-180°	31.5	1.0
0°-30°	146.5	4.6
0°-40°	243.5	7.7
0°-60°	443.4	14.0
0°-90°	597.0	18.8
90°-120°	1160.9	36.6
90°-150°	2250.8	71.0
90°-180°	2574.0	81.2
0°-180°	3170.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	183	183	183	183	183	
5°	184	183	182	182	183	17
15°	178	178	178	180	181	50
25°	166	167	170	174	175	77
35°	150	150	155	160	161	93
45°	128	130	134	139	140	99
55°	103	104	107	112	114	92
65°	73	75	77	84	88	71
75°	39	42	55	61	62	41
85°	10	17	21	23	23	11
90°	1	2	2	1	1	3
95°	26	207	146	25	25	26
105°	80	332	516	608	641	84
115°	139	342	557	695	722	137
125°	193	349	536	646	681	172
135°	239	360	506	601	630	185
145°	277	354	465	543	567	173
155°	303	338	421	476	489	140
165°	319	327	356	390	402	90
175°	324	325	326	328	329	31
180°	325	325	325	325	325	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	183.1	183.1	183.1	183.1	183.1
2.5°	184.2	184.2	182.1	182.1	182.1
5°	184.2	183.1	182.1	182.1	183.1
7.5°	183.1	183.1	181.0	182.1	183.1
10°	181.0	181.0	181.0	182.1	182.1
12.5°	180.0	180.0	180.0	181.0	182.1
15°	177.9	177.9	177.9	180.0	181.0
17.5°	175.8	175.8	176.8	178.9	180.0
20°	172.6	173.7	174.7	177.9	178.9
22.5°	170.5	170.5	172.6	175.8	176.8
25°	166.3	167.4	169.5	173.7	174.7
27.5°	162.1	163.1	166.3	170.5	171.6
30°	158.9	160.0	163.1	167.4	168.4
32.5°	153.7	155.8	158.9	164.2	165.2
35°	149.5	150.5	154.7	160.0	161.0
37.5°	144.2	146.3	149.5	154.7	156.8
40°	138.9	141.0	145.2	150.5	151.6
42.5°	133.7	135.8	138.9	144.2	146.3
45°	128.4	130.5	133.7	138.9	140.0
47.5°	122.1	124.2	127.4	132.6	133.7
50°	115.8	117.9	121.0	125.3	127.4
52.5°	109.5	111.6	114.7	118.9	120.0
55°	103.1	104.2	107.4	111.6	113.7
57.5°	95.8	97.9	100.0	104.2	106.3
60°	88.4	89.5	92.6	96.8	98.9
62.5°	80.0	82.1	85.3	89.5	93.7
65°	72.6	74.7	76.8	84.2	88.4
67.5°	64.2	66.3	69.5	78.9	86.3
70°	55.8	57.9	63.2	76.8	81.0
72.5°	47.4	49.5	57.9	70.5	72.6
75°	38.9	42.1	54.7	61.0	62.1
77.5°	30.5	33.7	46.3	49.5	50.5
80°	23.2	28.4	36.8	40.0	40.0
82.5°	15.8	24.2	28.4	30.5	31.6
85°	9.5	16.8	21.1	23.2	23.2
87.5°	5.3	10.5	14.7	17.9	16.8
90°	1.1	2.1	2.1	1.1	1.1
92.5°	14.7	43.2	12.6	11.6	11.6
95°	26.3	207.3	146.3	25.3	25.3
97.5°	37.9	253.7	433.6	510.5	384.2
100°	50.5	301.0	461.0	570.5	603.1
102.5°	64.2	323.1	484.2	586.3	621.0
105°	80.0	331.5	515.7	608.4	641.0
107.5°	94.7	336.8	548.4	628.4	658.9
110°	109.5	338.9	570.5	651.5	677.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	124.2	341.0	562.0	678.9	698.9
115°	138.9	342.1	556.8	694.7	722.0
117.5°	152.6	344.2	552.6	678.9	724.1
120°	166.3	346.3	547.3	666.2	704.1
122.5°	180.0	348.4	541.0	656.8	693.6
125°	192.6	349.4	535.7	646.3	681.0
127.5°	205.2	351.5	528.4	635.7	668.4
130°	217.9	355.8	521.0	624.1	655.7
132.5°	227.3	358.9	513.6	613.6	644.1
135°	238.9	360.0	506.3	601.0	630.5
137.5°	250.5	360.0	496.8	588.4	615.7
140°	260.0	358.9	487.3	573.6	601.0
142.5°	268.4	356.8	475.7	558.9	584.2
145°	276.8	353.6	465.2	543.1	567.3
147.5°	285.2	350.5	456.8	526.3	548.4
150°	291.6	346.3	446.3	508.4	530.5
152.5°	296.8	341.0	434.7	491.5	507.3
155°	303.1	337.9	421.0	475.7	489.4
157.5°	308.4	333.7	405.2	458.9	471.5
160°	312.6	331.5	389.4	436.8	450.5
162.5°	315.8	328.4	371.5	414.7	425.2
165°	318.9	327.3	355.8	390.5	402.1
167.5°	320.0	325.2	343.1	365.2	374.7
170°	322.1	325.2	334.7	347.3	351.5
172.5°	323.1	325.2	329.4	335.8	337.9
175°	324.2	325.2	326.3	328.4	329.4
177.5°	324.2	325.2	325.2	325.2	325.2
180°	325.2	325.2	325.2	325.2	325.2

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