

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: P275079

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275079
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-20L92765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1760.2 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

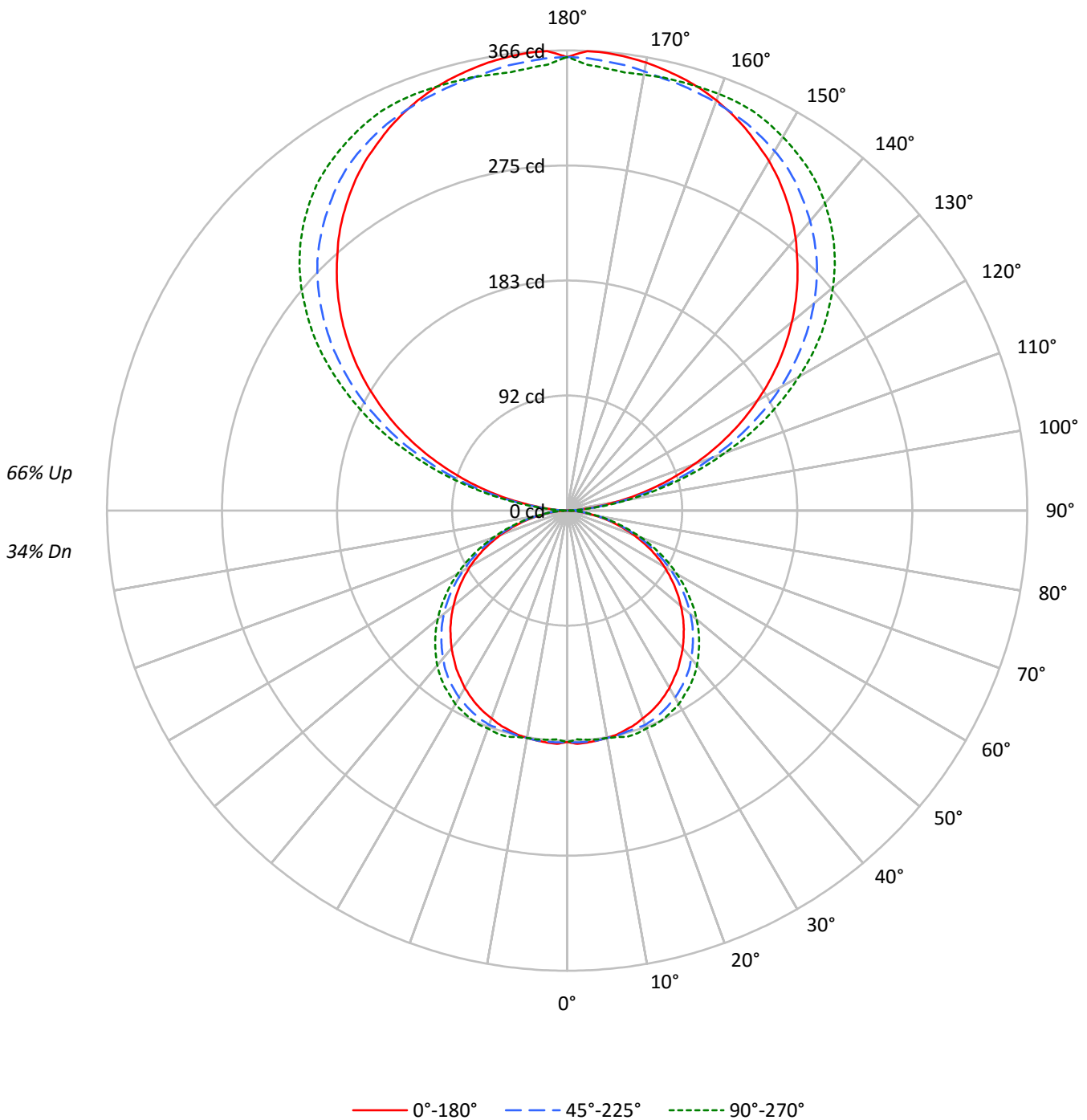
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1486	1486	1486
5°	1501	1495	1482
10°	1505	1505	1505
15°	1509	1522	1555
20°	1510	1558	1585
25°	1517	1580	1626
30°	1518	1601	1657
35°	1514	1615	1678
40°	1507	1619	1694
45°	1498	1614	1695
50°	1483	1608	1687
55°	1467	1585	1662
60°	1440	1544	1626
65°	1396	1486	1570
70°	1315	1400	1473
75°	1207	1282	1344
80°	1046	1120	1158
85°	843	871	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	1.0
10°-20°	51.6	2.9
20°-30°	81.3	4.6
30°-40°	101.6	5.8
40°-50°	108.3	6.2
50°-60°	99.9	5.7
60°-70°	76.7	4.4
70°-80°	43.5	2.5
80°-90°	11.5	0.7
90°-100°	18.4	1.0
100°-110°	86.8	4.9
110°-120°	157.4	8.9
120°-130°	202.2	11.5
130°-140°	215.1	12.2
140°-150°	197.9	11.2
150°-160°	156.7	8.9
160°-170°	99.5	5.7
170°-180°	34.1	1.9
0°-30°	150.5	8.6
0°-40°	252.2	14.3
0°-60°	460.4	26.2
0°-90°	592.0	33.6
90°-120°	262.7	14.9
90°-150°	877.9	49.9
90°-180°	1168.0	66.4
0°-180°	1760.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	184	184	184	184	184	
5°	185	184	184	184	183	18
15°	180	180	182	185	186	51
25°	170	171	177	181	182	78
35°	154	156	164	168	170	96
45°	131	135	141	146	148	101
55°	104	107	113	116	118	93
65°	73	75	78	81	82	72
75°	39	40	41	43	43	41
85°	9	9	9	10	10	10
90°	0	0	0	0	0	1
95°	12	13	14	15	15	16
105°	73	76	83	88	90	77
115°	142	148	161	171	175	140
125°	205	212	228	240	247	183
135°	259	263	281	293	300	200
145°	303	302	318	327	333	190
155°	335	331	339	346	350	155
165°	356	350	350	352	353	101
175°	365	361	359	356	353	35
180°	361	361	361	361	361	



TEST NUMBER: P275079

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	184.1	184.1	184.1	184.1	184.1
2.5°	185.7	184.1	184.5	184.5	182.1
5°	185.2	183.6	184.5	184.1	182.9
7.5°	184.5	183.3	184.5	184.5	183.6
10°	183.6	182.5	183.6	184.1	183.6
12.5°	182.5	181.3	183.3	184.1	184.5
15°	180.5	179.7	182.1	185.2	186.1
17.5°	178.6	178.1	181.7	185.2	185.7
20°	175.8	175.8	181.3	184.1	184.5
22.5°	173.4	173.4	179.7	182.5	184.1
25°	170.3	170.6	177.4	181.0	182.5
27.5°	166.7	167.9	174.6	178.6	180.1
30°	162.8	164.7	171.8	175.8	177.8
32.5°	158.1	160.7	167.9	171.8	173.8
35°	153.6	156.4	163.9	167.9	170.3
37.5°	148.2	151.7	159.2	163.1	165.9
40°	143.0	146.6	153.6	158.1	160.7
42.5°	137.1	141.0	147.7	152.1	154.8
45°	131.2	134.7	141.4	145.8	148.5
47.5°	124.8	128.4	135.2	139.1	141.8
50°	118.1	122.0	128.0	131.9	134.3
52.5°	111.3	114.9	120.5	124.5	126.8
55°	104.2	107.4	112.6	116.2	118.1
57.5°	96.7	99.9	104.2	107.8	109.8
60°	89.2	91.6	95.6	99.1	100.7
62.5°	81.3	83.4	86.9	89.7	91.6
65°	73.1	74.7	77.8	80.6	82.2
67.5°	64.4	66.0	68.7	71.1	72.3
70°	55.7	57.3	59.3	61.2	62.4
72.5°	47.3	48.2	50.2	51.8	52.5
75°	38.7	39.5	41.1	42.6	43.1
77.5°	30.8	31.2	32.5	33.2	33.6
80°	22.5	23.3	24.1	24.4	24.9
82.5°	15.4	15.8	16.2	16.6	16.9
85°	9.1	9.4	9.4	9.9	9.9
87.5°	3.9	4.4	4.4	4.4	4.4
90°	0.4	0.4	0.4	0.0	0.0
92.5°	3.9	3.9	4.4	4.7	5.1
95°	12.2	12.6	13.8	14.6	15.4
97.5°	24.4	25.3	27.6	29.6	30.4
100°	39.5	41.1	44.7	47.3	48.6
102.5°	55.7	58.0	63.2	67.2	69.1
105°	72.7	75.9	83.0	88.1	90.5
107.5°	90.1	94.1	103.1	109.0	112.2
110°	107.4	112.6	122.4	130.3	132.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	124.8	130.3	142.2	150.9	155.2
115°	142.2	148.2	160.7	170.6	175.4
117.5°	158.8	165.1	178.9	190.0	194.3
120°	174.6	181.3	196.3	207.8	212.9
122.5°	190.4	196.8	212.5	224.7	231.1
125°	205.4	211.7	228.0	240.5	247.3
127.5°	219.7	225.5	242.6	255.6	261.9
130°	233.4	239.0	256.3	269.1	276.1
132.5°	246.5	251.6	269.1	281.3	288.8
135°	259.1	263.1	280.9	293.1	300.2
137.5°	270.9	273.8	291.2	303.4	310.1
140°	282.8	283.7	300.6	312.0	319.1
142.5°	293.5	293.1	309.3	320.3	327.1
145°	303.4	302.2	317.6	327.4	333.4
147.5°	312.8	310.1	324.7	333.0	338.5
150°	321.1	317.6	330.2	338.5	343.2
152.5°	328.2	324.3	334.9	342.5	347.2
155°	335.4	330.7	339.3	346.4	350.4
157.5°	341.7	335.7	342.5	348.8	352.0
160°	347.2	341.3	345.6	350.4	352.8
162.5°	352.0	346.0	348.0	350.7	352.8
165°	355.9	350.4	350.4	351.5	352.8
167.5°	359.0	354.3	352.0	352.4	352.8
170°	361.8	357.1	354.7	352.4	352.0
172.5°	363.8	359.0	357.1	353.9	351.5
175°	365.4	361.1	358.6	355.9	353.1
177.5°	365.8	362.2	360.2	357.5	355.1
180°	360.7	360.7	360.7	360.7	360.7

(END OF REPORT)