

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: P275081

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275081
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1921.9 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

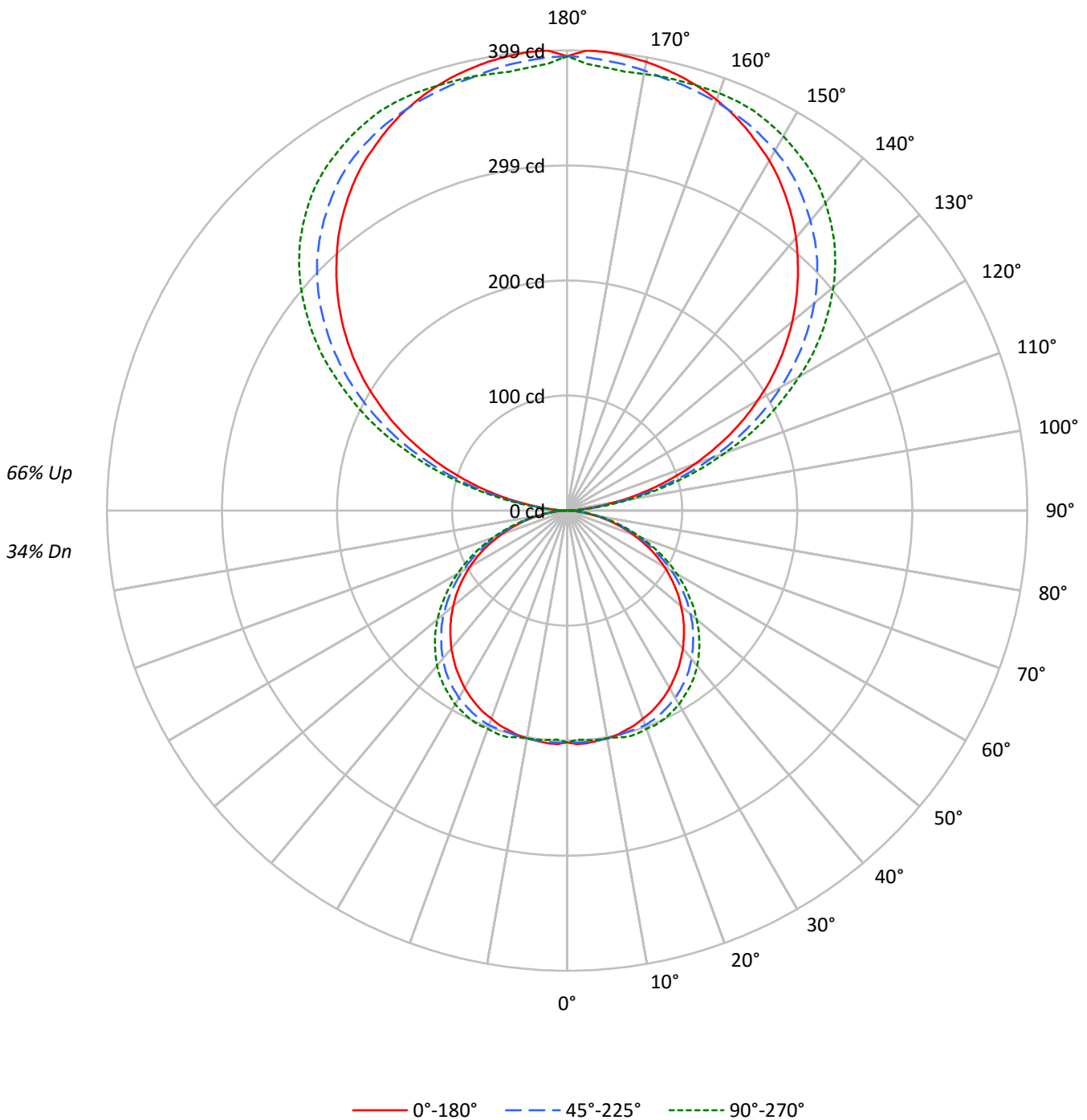
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275081

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275081

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

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°	1623	1623	1623
5°	1639	1632	1618
10°	1644	1644	1644
15°	1646	1662	1698
20°	1649	1701	1730
25°	1656	1725	1775
30°	1656	1749	1809
35°	1653	1763	1832
40°	1646	1767	1850
45°	1635	1763	1851
50°	1619	1755	1841
55°	1602	1730	1814
60°	1573	1686	1776
65°	1524	1622	1713
70°	1435	1527	1607
75°	1319	1400	1466
80°	1144	1223	1265
85°	917	954	1000



TEST NUMBER: P275081

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	1.0
10°-20°	56.4	2.9
20°-30°	88.8	4.6
30°-40°	111.0	5.8
40°-50°	118.3	6.2
50°-60°	109.1	5.7
60°-70°	83.7	4.4
70°-80°	47.5	2.5
80°-90°	12.5	0.7
90°-100°	20.2	1.0
100°-110°	94.8	4.9
110°-120°	171.9	8.9
120°-130°	220.7	11.5
130°-140°	234.8	12.2
140°-150°	216.1	11.2
150°-160°	171.1	8.9
160°-170°	108.6	5.7
170°-180°	37.3	1.9
0°-30°	164.4	8.6
0°-40°	275.3	14.3
0°-60°	502.7	26.2
0°-90°	646.4	33.6
90°-120°	286.8	14.9
90°-150°	958.5	49.9
90°-180°	1276.0	66.4
0°-180°	1921.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	201	201	201	201	201	
5°	202	200	201	201	200	19
15°	197	196	199	202	203	56
25°	186	186	194	198	199	86
35°	168	171	179	183	186	105
45°	143	147	154	159	162	110
55°	114	117	123	127	129	102
65°	80	82	85	88	90	79
75°	42	43	45	47	47	45
85°	10	10	10	11	11	11
90°	0	0	0	0	0	1
95°	13	14	15	16	17	17
105°	79	83	91	96	99	84
115°	155	162	176	186	192	153
125°	224	231	249	263	270	200
135°	283	287	307	320	328	218
145°	331	330	347	358	364	207
155°	366	361	370	378	383	169
165°	389	383	383	384	385	110
175°	399	394	392	389	386	38
180°	394	394	394	394	394	



TEST NUMBER: P275081

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	201.0	201.0	201.0	201.0	201.0
2.5°	202.7	201.0	201.4	201.4	198.8
5°	202.3	200.5	201.4	201.0	199.6
7.5°	201.4	200.1	201.4	201.4	200.5
10°	200.5	199.3	200.5	201.0	200.5
12.5°	199.3	198.0	200.1	201.0	201.4
15°	197.0	196.2	198.8	202.3	203.2
17.5°	195.0	194.5	198.4	202.3	202.7
20°	191.9	191.9	198.0	201.0	201.4
22.5°	189.4	189.4	196.2	199.3	201.0
25°	185.9	186.3	193.7	197.6	199.3
27.5°	182.0	183.3	190.6	195.0	196.7
30°	177.7	179.9	187.6	191.9	194.1
32.5°	172.6	175.5	183.3	187.6	189.8
35°	167.7	170.8	178.9	183.3	185.9
37.5°	161.8	165.6	173.8	178.1	181.2
40°	156.2	160.1	167.7	172.6	175.5
42.5°	149.6	153.9	161.3	166.1	169.0
45°	143.2	147.0	154.4	159.2	162.1
47.5°	136.3	140.2	147.6	151.9	154.8
50°	128.9	133.2	139.7	144.0	146.6
52.5°	121.6	125.5	131.5	135.9	138.4
55°	113.8	117.3	122.9	126.9	128.9
57.5°	105.6	109.1	113.8	117.7	119.9
60°	97.4	100.0	104.4	108.2	110.0
62.5°	88.8	91.0	94.9	97.9	100.0
65°	79.8	81.5	84.9	88.0	89.7
67.5°	70.3	72.0	75.0	77.6	78.9
70°	60.8	62.5	64.7	66.8	68.1
72.5°	51.7	52.6	54.8	56.5	57.4
75°	42.3	43.1	44.9	46.6	47.0
77.5°	33.7	34.1	35.4	36.3	36.7
80°	24.6	25.5	26.3	26.7	27.2
82.5°	16.8	17.3	17.6	18.1	18.5
85°	9.9	10.3	10.3	10.8	10.8
87.5°	4.3	4.8	4.8	4.8	4.8
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.3	4.3	4.8	5.1	5.6
95°	13.3	13.8	15.1	16.0	16.8
97.5°	26.7	27.6	30.1	32.4	33.2
100°	43.1	44.9	48.8	51.7	53.1
102.5°	60.8	63.4	69.0	73.3	75.5
105°	79.4	82.8	90.6	96.2	98.8
107.5°	98.3	102.7	112.6	119.0	122.5
110°	117.3	122.9	133.7	142.3	144.9



TEST NUMBER: P275081

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	136.3	142.3	155.2	164.8	169.5
115°	155.2	161.8	175.5	186.3	191.5
117.5°	173.4	180.2	195.4	207.5	212.2
120°	190.6	198.0	214.4	226.9	232.5
122.5°	207.9	214.8	232.0	245.4	252.3
125°	224.3	231.2	248.9	262.6	270.0
127.5°	239.8	246.2	264.8	279.0	285.9
130°	254.9	260.9	279.9	293.8	301.5
132.5°	269.1	274.7	293.8	307.1	315.3
135°	282.9	287.2	306.6	320.0	327.8
137.5°	295.8	298.9	317.9	331.3	338.6
140°	308.8	309.7	328.2	340.7	348.4
142.5°	320.4	320.0	337.7	349.7	357.1
145°	331.3	330.0	346.8	357.5	364.0
147.5°	341.5	338.6	354.5	363.6	369.6
150°	350.6	346.8	360.6	369.6	374.8
152.5°	358.3	354.0	365.7	373.9	379.0
155°	366.2	361.0	370.5	378.2	382.6
157.5°	373.1	366.5	373.9	380.8	384.3
160°	379.0	372.7	377.4	382.6	385.2
162.5°	384.3	377.8	380.0	383.0	385.2
165°	388.6	382.6	382.6	383.8	385.2
167.5°	392.0	386.9	384.3	384.7	385.2
170°	395.1	389.9	387.3	384.7	384.3
172.5°	397.2	392.0	389.9	386.4	383.8
175°	398.9	394.2	391.6	388.6	385.6
177.5°	399.4	395.5	393.3	390.3	387.7
180°	393.8	393.8	393.8	393.8	393.8

(END OF REPORT)