

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: P275072

Luminaire Tested: **J3-FL-20L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275072
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-20L82765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2119.4 lumens
Efficiency: N/A
Efficacy: 131.6 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

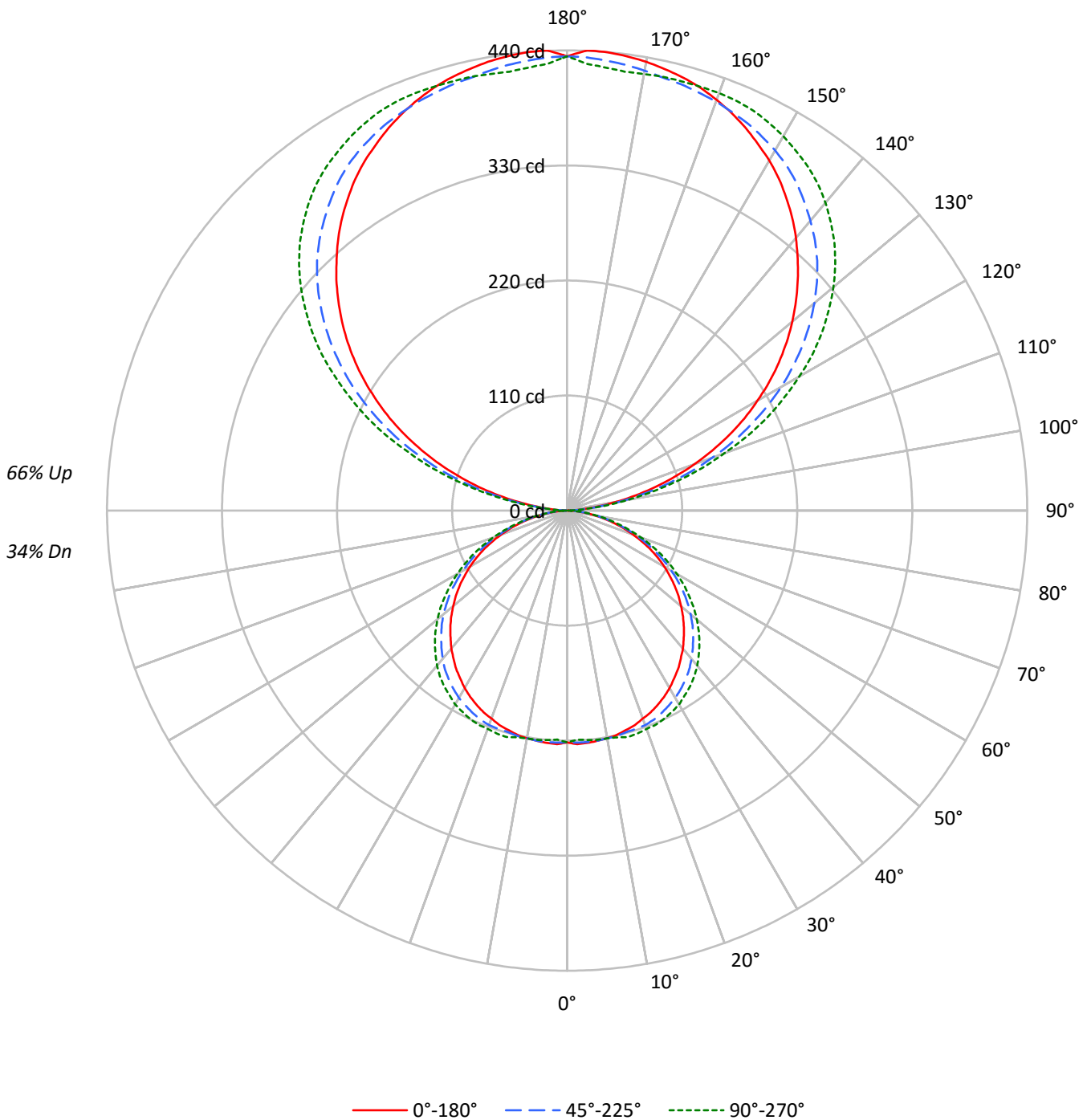
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275072

CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275072

CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (3000K)

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°	1789	1789	1789
5°	1807	1800	1784
10°	1812	1812	1812
15°	1816	1832	1873
20°	1818	1875	1908
25°	1826	1903	1957
30°	1827	1929	1996
35°	1823	1944	2020
40°	1815	1950	2039
45°	1803	1944	2041
50°	1786	1935	2031
55°	1766	1909	2001
60°	1734	1858	1958
65°	1681	1788	1891
70°	1584	1685	1773
75°	1454	1544	1619
80°	1265	1348	1395
85°	1010	1047	1102



TEST NUMBER: P275072

CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	1.0
10°-20°	62.2	2.9
20°-30°	97.9	4.6
30°-40°	122.4	5.8
40°-50°	130.4	6.2
50°-60°	120.3	5.7
60°-70°	92.4	4.4
70°-80°	52.3	2.5
80°-90°	13.8	0.6
90°-100°	22.2	1.0
100°-110°	104.6	4.9
110°-120°	189.5	8.9
120°-130°	243.4	11.5
130°-140°	259.0	12.2
140°-150°	238.3	11.2
150°-160°	188.7	8.9
160°-170°	119.8	5.7
170°-180°	41.1	1.9
0°-30°	181.3	8.6
0°-40°	303.6	14.3
0°-60°	554.3	26.2
0°-90°	712.8	33.6
90°-120°	316.3	14.9
90°-150°	1057.0	49.9
90°-180°	1407.0	66.4
0°-180°	2119.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	222	222	222	222	222	
5°	223	221	222	222	220	21
15°	217	216	219	223	224	61
25°	205	206	214	218	220	94
35°	185	188	197	202	205	116
45°	158	162	170	176	179	122
55°	126	129	136	140	142	112
65°	88	90	94	97	99	87
75°	47	48	50	51	52	50
85°	11	11	11	12	12	12
90°	0	0	0	0	0	1
95°	15	15	17	18	18	19
105°	88	91	100	106	109	93
115°	171	178	194	206	211	169
125°	247	255	274	290	298	221
135°	312	317	338	353	362	241
145°	365	364	382	394	401	229
155°	404	398	408	417	422	186
165°	429	422	422	423	425	121
175°	440	435	432	429	425	42
180°	434	434	434	434	434	



TEST NUMBER: P275072

CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	221.6	221.6	221.6	221.6	221.6
2.5°	223.6	221.6	222.1	222.1	219.2
5°	223.0	221.1	222.1	221.6	220.2
7.5°	222.1	220.7	222.1	222.1	221.1
10°	221.1	219.7	221.1	221.6	221.1
12.5°	219.7	218.3	220.7	221.6	222.1
15°	217.3	216.4	219.2	223.0	224.1
17.5°	215.0	214.5	218.8	223.0	223.6
20°	211.6	211.6	218.3	221.6	222.1
22.5°	208.8	208.8	216.4	219.7	221.6
25°	205.0	205.5	213.6	217.9	219.7
27.5°	200.7	202.2	210.2	215.0	216.9
30°	196.0	198.3	206.9	211.6	214.1
32.5°	190.3	193.5	202.2	206.9	209.3
35°	185.0	188.4	197.3	202.2	205.0
37.5°	178.4	182.6	191.7	196.4	199.8
40°	172.2	176.5	185.0	190.3	193.5
42.5°	165.0	169.8	177.9	183.1	186.4
45°	157.9	162.1	170.3	175.5	178.8
47.5°	150.3	154.6	162.7	167.5	170.7
50°	142.2	146.9	154.1	158.8	161.7
52.5°	134.1	138.4	145.1	149.9	152.7
55°	125.5	129.3	135.6	139.9	142.2
57.5°	116.5	120.3	125.5	129.8	132.2
60°	107.4	110.3	115.1	119.3	121.3
62.5°	97.9	100.4	104.6	108.0	110.3
65°	88.0	89.9	93.6	97.0	99.0
67.5°	77.6	79.4	82.7	85.6	87.0
70°	67.1	68.9	71.4	73.7	75.1
72.5°	57.0	58.0	60.4	62.3	63.3
75°	46.6	47.5	49.5	51.3	51.9
77.5°	37.1	37.6	39.1	40.0	40.4
80°	27.2	28.1	29.0	29.4	30.0
82.5°	18.5	19.0	19.5	20.0	20.4
85°	10.9	11.3	11.3	11.9	11.9
87.5°	4.7	5.2	5.2	5.2	5.2
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.7	4.7	5.2	5.7	6.2
95°	14.7	15.2	16.7	17.6	18.5
97.5°	29.4	30.5	33.2	35.7	36.6
100°	47.5	49.5	53.8	57.0	58.5
102.5°	67.1	69.9	76.1	80.9	83.2
105°	87.5	91.4	99.9	106.1	108.9
107.5°	108.4	113.3	124.2	131.3	135.1
110°	129.3	135.6	147.4	156.9	159.8



TEST NUMBER: P275072

CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	150.3	156.9	171.2	181.7	186.9
115°	171.2	178.4	193.5	205.5	211.2
117.5°	191.2	198.8	215.4	228.8	234.0
120°	210.2	218.3	236.4	250.2	256.4
122.5°	229.2	236.9	255.9	270.6	278.3
125°	247.3	254.9	274.5	289.6	297.7
127.5°	264.5	271.5	292.1	307.7	315.3
130°	281.1	287.8	308.6	324.0	332.5
132.5°	296.8	303.0	324.0	338.7	347.7
135°	312.0	316.8	338.2	352.9	361.5
137.5°	326.2	329.6	350.6	365.3	373.4
140°	340.5	341.6	361.9	375.7	384.3
142.5°	353.4	352.9	372.4	385.7	393.8
145°	365.3	363.9	382.4	394.2	401.4
147.5°	376.7	373.4	390.9	401.0	407.6
150°	386.6	382.4	397.6	407.6	413.3
152.5°	395.2	390.4	403.3	412.3	418.0
155°	403.8	398.1	408.5	417.1	421.9
157.5°	411.4	404.2	412.3	420.0	423.9
160°	418.0	411.0	416.2	421.9	424.8
162.5°	423.9	416.7	419.0	422.3	424.8
165°	428.6	421.9	421.9	423.3	424.8
167.5°	432.3	426.6	423.9	424.3	424.8
170°	435.7	429.9	427.1	424.3	423.9
172.5°	438.1	432.3	429.9	426.1	423.3
175°	439.9	434.8	431.8	428.6	425.2
177.5°	440.4	436.1	433.7	430.4	427.6
180°	434.3	434.3	434.3	434.3	434.3

(END OF REPORT)