

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: P275073

Luminaire Tested: **J3-FL-20L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275073
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2193.5 lumens
Efficiency: N/A
Efficacy: 134.6 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

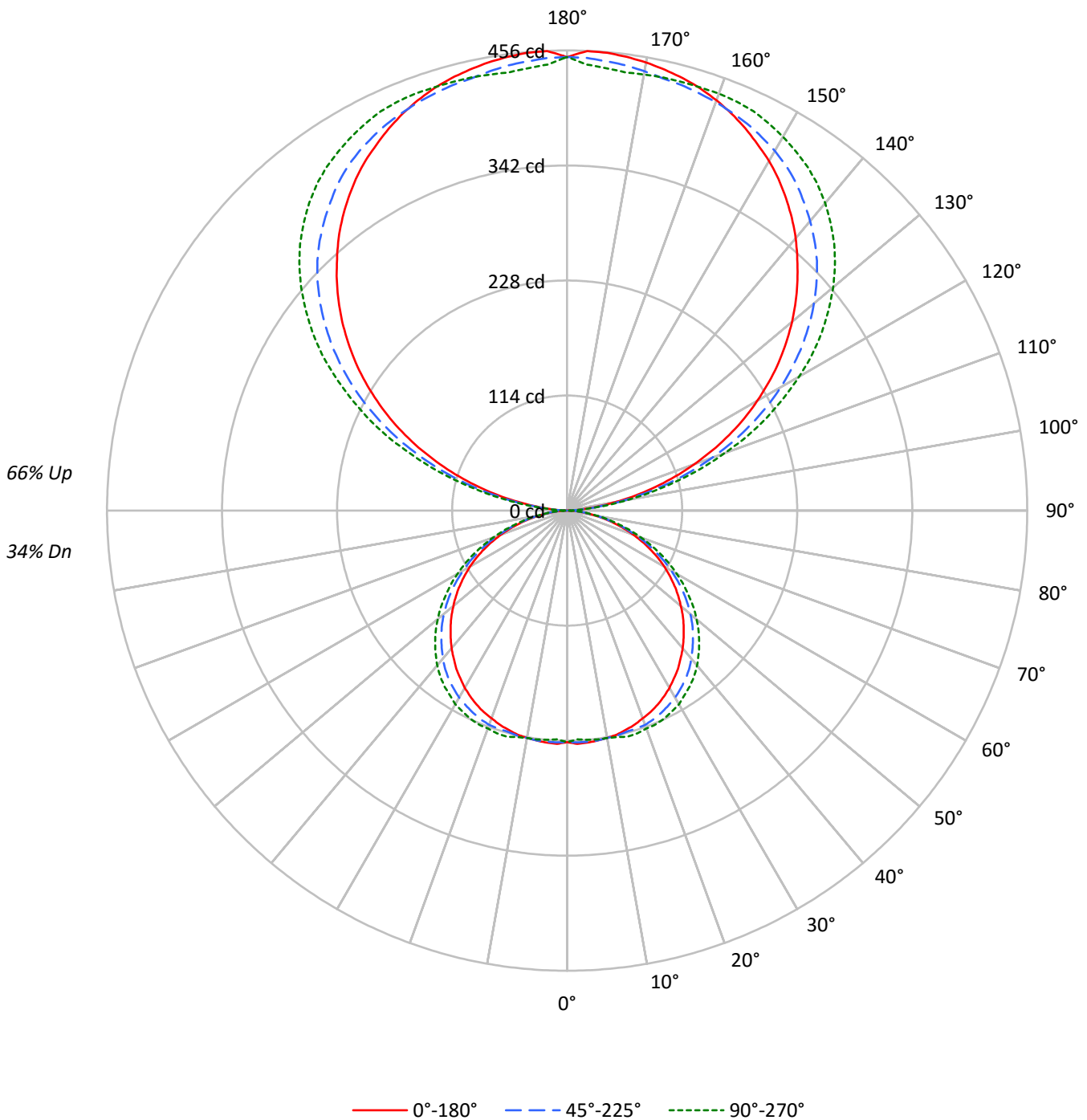
Input Watts (W): 16.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1852	1852	1852
5°	1870	1863	1847
10°	1876	1876	1876
15°	1880	1896	1938
20°	1881	1941	1975
25°	1890	1969	2026
30°	1890	1996	2066
35°	1887	2012	2091
40°	1878	2018	2111
45°	1866	2012	2113
50°	1849	2003	2102
55°	1828	1975	2072
60°	1795	1923	2026
65°	1738	1851	1956
70°	1638	1744	1834
75°	1503	1597	1675
80°	1306	1395	1446
85°	1047	1084	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	1.0
10°-20°	64.4	2.9
20°-30°	101.3	4.6
30°-40°	126.6	5.8
40°-50°	135.0	6.2
50°-60°	124.5	5.7
60°-70°	95.6	4.4
70°-80°	54.2	2.5
80°-90°	14.3	0.7
90°-100°	23.0	1.0
100°-110°	108.2	4.9
110°-120°	196.1	8.9
120°-130°	251.9	11.5
130°-140°	268.0	12.2
140°-150°	246.6	11.2
150°-160°	195.3	8.9
160°-170°	124.0	5.7
170°-180°	42.5	1.9
0°-30°	187.6	8.6
0°-40°	314.2	14.3
0°-60°	573.7	26.2
0°-90°	737.7	33.6
90°-120°	327.4	14.9
90°-150°	1094.0	49.9
90°-180°	1456.0	66.4
0°-180°	2193.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	229	229	229	229	229	
5°	231	229	230	229	228	22
15°	225	224	227	231	232	64
25°	212	213	221	226	227	98
35°	192	195	204	209	212	120
45°	163	168	176	182	185	126
55°	130	134	140	145	147	116
65°	91	93	97	100	102	90
75°	48	49	51	53	54	51
85°	11	12	12	12	12	13
90°	0	0	0	0	0	1
95°	15	16	17	18	19	20
105°	91	94	103	110	113	96
115°	177	185	200	213	219	175
125°	256	264	284	300	308	228
135°	323	328	350	365	374	249
145°	378	377	396	408	416	237
155°	418	412	423	432	437	193
165°	444	437	437	438	440	125
175°	455	450	447	444	440	43
180°	449	449	449	449	449	



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CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	229.4	229.4	229.4	229.4	229.4
2.5°	231.4	229.4	229.9	229.9	226.9
5°	230.8	228.8	229.9	229.4	227.9
7.5°	229.9	228.4	229.9	229.9	228.8
10°	228.8	227.4	228.8	229.4	228.8
12.5°	227.4	225.9	228.4	229.4	229.9
15°	224.9	223.9	226.9	230.8	231.9
17.5°	222.5	222.0	226.5	230.8	231.4
20°	219.0	219.0	225.9	229.4	229.9
22.5°	216.1	216.1	223.9	227.4	229.4
25°	212.2	212.6	221.0	225.5	227.4
27.5°	207.7	209.2	217.5	222.5	224.5
30°	202.8	205.3	214.1	219.0	221.6
32.5°	197.0	200.3	209.2	214.1	216.6
35°	191.5	195.0	204.2	209.2	212.2
37.5°	184.6	189.0	198.4	203.3	206.8
40°	178.2	182.7	191.5	197.0	200.3
42.5°	170.8	175.7	184.1	189.5	192.9
45°	163.4	167.8	176.2	181.6	185.1
47.5°	155.6	160.0	168.4	173.3	176.7
50°	147.2	152.1	159.5	164.4	167.4
52.5°	138.8	143.2	150.1	155.1	158.0
55°	129.9	133.9	140.3	144.8	147.2
57.5°	120.5	124.5	129.9	134.4	136.8
60°	111.2	114.2	119.1	123.5	125.5
62.5°	101.4	103.9	108.3	111.8	114.2
65°	91.0	93.1	96.9	100.4	102.4
67.5°	80.3	82.2	85.6	88.6	90.1
70°	69.4	71.3	73.9	76.2	77.7
72.5°	59.0	60.1	62.5	64.5	65.5
75°	48.2	49.2	51.2	53.1	53.7
77.5°	38.4	38.9	40.4	41.4	41.8
80°	28.1	29.1	30.0	30.5	31.1
82.5°	19.2	19.7	20.1	20.7	21.1
85°	11.3	11.7	11.7	12.3	12.3
87.5°	4.9	5.4	5.4	5.4	5.4
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.9	4.9	5.4	5.9	6.4
95°	15.2	15.8	17.2	18.2	19.2
97.5°	30.5	31.5	34.4	36.9	37.9
100°	49.2	51.2	55.7	59.0	60.6
102.5°	69.4	72.3	78.8	83.7	86.1
105°	90.6	94.5	103.4	109.8	112.8
107.5°	112.2	117.2	128.5	135.9	139.8
110°	133.9	140.3	152.6	162.4	165.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	155.6	162.4	177.2	188.0	193.5
115°	177.2	184.6	200.3	212.6	218.6
117.5°	197.9	205.7	223.0	236.8	242.1
120°	217.5	225.9	244.7	258.9	265.3
122.5°	237.2	245.2	264.8	280.0	288.0
125°	256.0	263.8	284.1	299.7	308.1
127.5°	273.7	281.0	302.3	318.5	326.4
130°	290.9	297.8	319.4	335.3	344.1
132.5°	307.2	313.6	335.3	350.5	359.9
135°	322.9	327.8	350.0	365.2	374.2
137.5°	337.6	341.1	362.9	378.1	386.5
140°	352.4	353.5	374.6	388.9	397.7
142.5°	365.7	365.2	385.4	399.2	407.6
145°	378.1	376.6	395.8	408.0	415.5
147.5°	389.8	386.5	404.6	415.0	421.9
150°	400.2	395.8	411.5	421.9	427.7
152.5°	409.0	404.1	417.4	426.8	432.6
155°	417.9	412.1	422.8	431.7	436.7
157.5°	425.8	418.4	426.8	434.6	438.7
160°	432.6	425.4	430.7	436.7	439.6
162.5°	438.7	431.2	433.7	437.1	439.6
165°	443.6	436.7	436.7	438.1	439.6
167.5°	447.4	441.6	438.7	439.1	439.6
170°	450.9	445.0	442.0	439.1	438.7
172.5°	453.4	447.4	445.0	441.0	438.1
175°	455.3	450.0	446.9	443.6	440.1
177.5°	455.8	451.4	448.9	445.5	442.5
180°	449.4	449.4	449.4	449.4	449.4

(END OF REPORT)