

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: P275083

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275083
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2034.2 lumens
Efficiency: N/A
Efficacy: 123.3 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

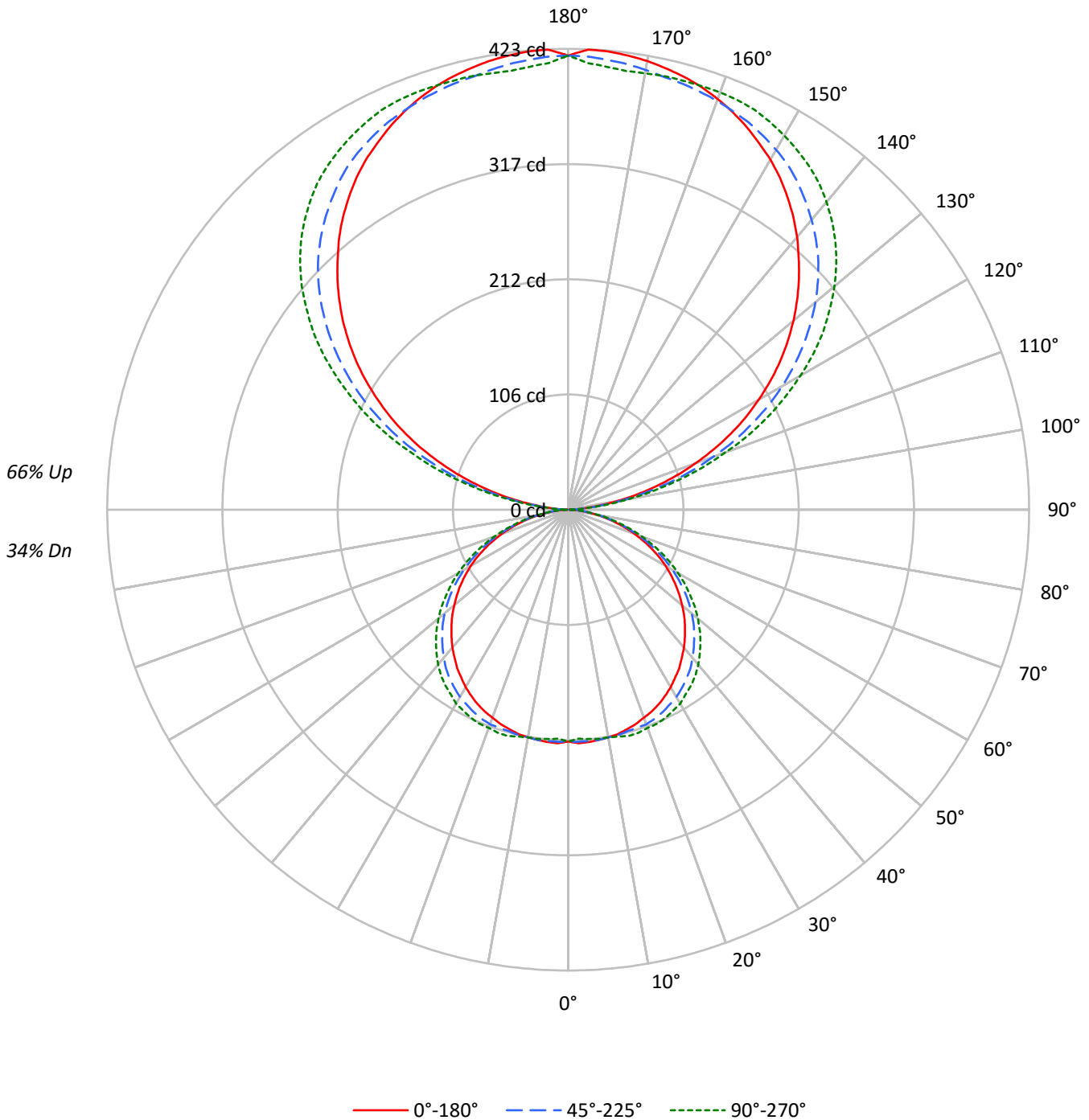
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275083

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275083

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (4500K)

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°	1717	1717	1717
5°	1735	1728	1712
10°	1740	1740	1740
15°	1743	1758	1797
20°	1745	1800	1832
25°	1753	1826	1879
30°	1753	1851	1916
35°	1749	1867	1940
40°	1742	1871	1957
45°	1731	1866	1959
50°	1714	1858	1949
55°	1696	1831	1921
60°	1665	1784	1879
65°	1612	1717	1815
70°	1520	1617	1702
75°	1394	1482	1553
80°	1213	1292	1339
85°	973	1010	1056



TEST NUMBER: P275083

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	1.0
10°-20°	59.7	2.9
20°-30°	94.0	4.6
30°-40°	117.4	5.8
40°-50°	125.2	6.2
50°-60°	115.4	5.7
60°-70°	88.7	4.4
70°-80°	50.2	2.5
80°-90°	13.2	0.7
90°-100°	21.3	1.0
100°-110°	100.4	4.9
110°-120°	181.9	8.9
120°-130°	233.6	11.5
130°-140°	248.6	12.2
140°-150°	228.7	11.2
150°-160°	181.1	8.9
160°-170°	115.0	5.7
170°-180°	39.4	1.9
0°-30°	174.0	8.6
0°-40°	291.4	14.3
0°-60°	532.0	26.2
0°-90°	684.1	33.6
90°-120°	303.6	14.9
90°-150°	1014.5	49.9
90°-180°	1350.0	66.4
0°-180°	2034.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	213	213	213	213	213	
5°	214	212	213	213	211	20
15°	209	208	210	214	215	59
25°	197	197	205	209	211	91
35°	178	181	189	194	197	111
45°	152	156	163	168	172	117
55°	120	124	130	134	136	108
65°	84	86	90	93	95	83
75°	45	46	48	49	50	48
85°	10	11	11	11	11	12
90°	0	0	0	0	0	1
95°	14	15	16	17	18	18
105°	84	88	96	102	105	89
115°	164	171	186	197	203	162
125°	237	245	263	278	286	212
135°	300	304	325	339	347	231
145°	351	349	367	378	385	219
155°	388	382	392	400	405	179
165°	411	405	405	406	408	116
175°	422	417	414	411	408	40
180°	417	417	417	417	417	



TEST NUMBER: P275083

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	212.7	212.7	212.7	212.7	212.7
2.5°	214.6	212.7	213.2	213.2	210.4
5°	214.1	212.2	213.2	212.7	211.3
7.5°	213.2	211.8	213.2	213.2	212.2
10°	212.2	210.9	212.2	212.7	212.2
12.5°	210.9	209.5	211.8	212.7	213.2
15°	208.6	207.7	210.4	214.1	215.0
17.5°	206.4	205.9	210.0	214.1	214.6
20°	203.1	203.1	209.5	212.7	213.2
22.5°	200.4	200.4	207.7	210.9	212.7
25°	196.8	197.2	205.0	209.1	210.9
27.5°	192.6	194.0	201.7	206.4	208.1
30°	188.1	190.4	198.6	203.1	205.5
32.5°	182.7	185.7	194.0	198.6	200.8
35°	177.5	180.8	189.4	194.0	196.8
37.5°	171.2	175.3	184.0	188.5	191.7
40°	165.3	169.4	177.5	182.7	185.7
42.5°	158.4	162.9	170.7	175.8	178.9
45°	151.6	155.6	163.4	168.4	171.6
47.5°	144.3	148.4	156.2	160.7	163.8
50°	136.5	141.0	147.9	152.5	155.2
52.5°	128.7	132.8	139.2	143.9	146.5
55°	120.5	124.1	130.1	134.3	136.5
57.5°	111.8	115.4	120.5	124.6	126.9
60°	103.1	105.9	110.5	114.5	116.4
62.5°	94.0	96.4	100.4	103.7	105.9
65°	84.4	86.3	89.9	93.1	95.0
67.5°	74.4	76.2	79.4	82.2	83.5
70°	64.4	66.2	68.5	70.7	72.1
72.5°	54.7	55.7	58.0	59.8	60.7
75°	44.7	45.6	47.5	49.3	49.8
77.5°	35.6	36.0	37.5	38.4	38.8
80°	26.1	27.0	27.8	28.3	28.8
82.5°	17.8	18.3	18.7	19.2	19.6
85°	10.5	10.9	10.9	11.4	11.4
87.5°	4.5	5.0	5.0	5.0	5.0
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.5	4.5	5.0	5.4	5.9
95°	14.1	14.6	16.0	16.9	17.8
97.5°	28.3	29.2	31.9	34.3	35.2
100°	45.6	47.5	51.6	54.7	56.2
102.5°	64.4	67.1	73.1	77.6	79.9
105°	84.0	87.7	95.9	101.8	104.6
107.5°	104.1	108.7	119.2	126.0	129.6
110°	124.1	130.1	141.5	150.6	153.3



TEST NUMBER: P275083

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	144.3	150.6	164.3	174.4	179.4
115°	164.3	171.2	185.7	197.2	202.7
117.5°	183.5	190.8	206.8	219.6	224.5
120°	201.7	209.5	226.9	240.1	246.1
122.5°	220.0	227.4	245.6	259.7	267.1
125°	237.4	244.7	263.4	278.0	285.8
127.5°	253.8	260.6	280.3	295.3	302.6
130°	269.8	276.2	296.2	310.9	319.1
132.5°	284.9	290.8	310.9	325.0	333.7
135°	299.5	304.0	324.6	338.7	347.0
137.5°	313.1	316.4	336.5	350.6	358.4
140°	326.8	327.8	347.4	360.6	368.8
142.5°	339.2	338.7	357.4	370.2	378.0
145°	350.6	349.2	367.0	378.4	385.3
147.5°	361.5	358.4	375.2	384.9	391.2
150°	371.1	367.0	381.6	391.2	396.6
152.5°	379.3	374.7	387.1	395.8	401.2
155°	387.6	382.1	392.1	400.3	404.9
157.5°	394.9	388.0	395.8	403.1	406.8
160°	401.2	394.5	399.4	404.9	407.7
162.5°	406.8	399.9	402.2	405.3	407.7
165°	411.3	404.9	404.9	406.2	407.7
167.5°	414.9	409.5	406.8	407.2	407.7
170°	418.2	412.6	409.9	407.2	406.8
172.5°	420.4	414.9	412.6	409.0	406.2
175°	422.2	417.3	414.4	411.3	408.1
177.5°	422.7	418.6	416.3	413.1	410.4
180°	416.8	416.8	416.8	416.8	416.8

(END OF REPORT)