

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: P275130

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275130
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-50L92765-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4240.5 lumens
Efficiency: N/A
Efficacy: 118.1 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

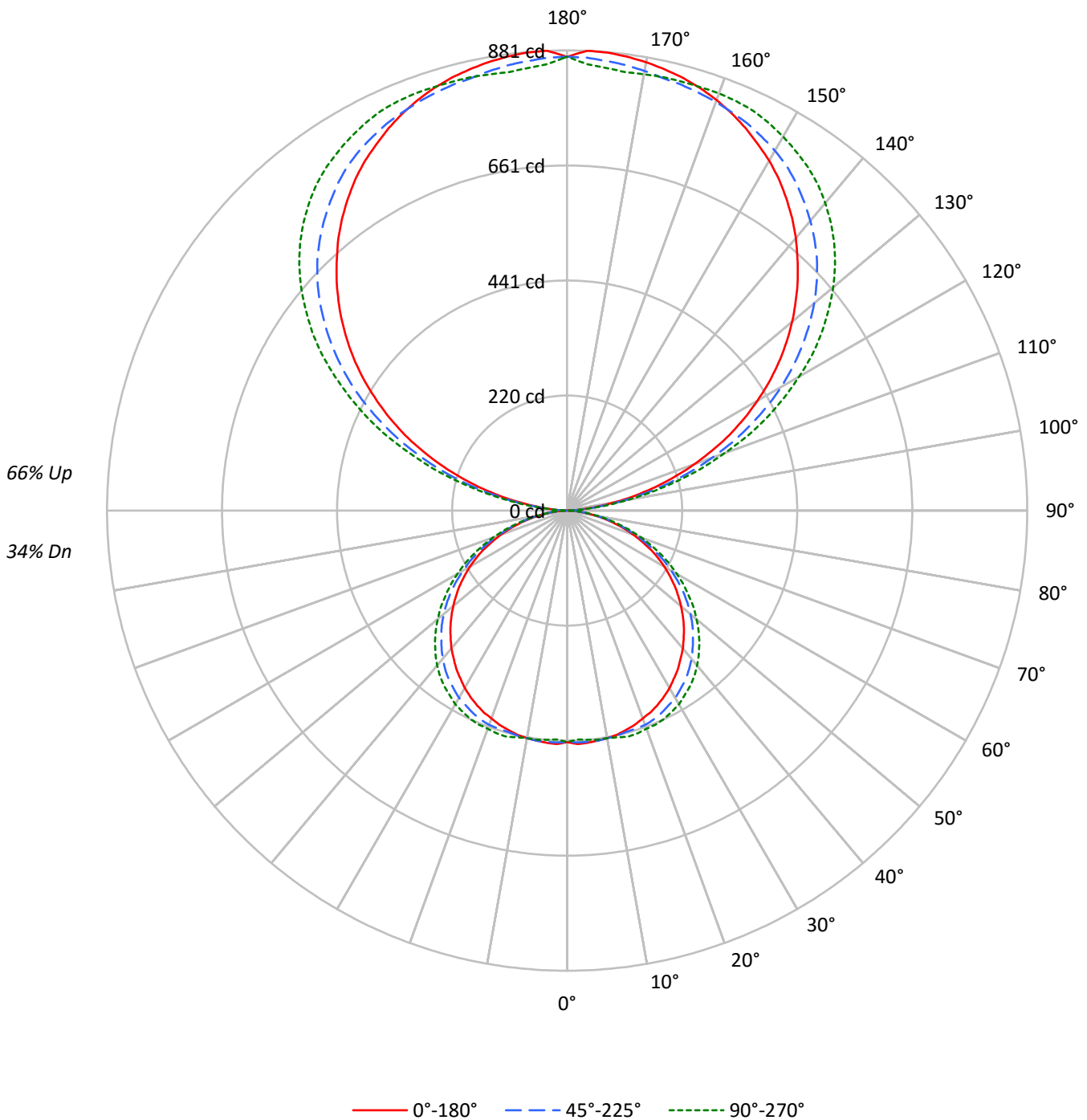
Input Watts (W): 35.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275130

CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275130

CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

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	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°	3580	3580	3580
5°	3617	3601	3570
10°	3627	3627	3627
15°	3634	3666	3747
20°	3637	3753	3818
25°	3654	3806	3917
30°	3655	3858	3993
35°	3647	3891	4043
40°	3632	3900	4080
45°	3608	3890	4085
50°	3573	3872	4064
55°	3534	3818	4004
60°	3470	3718	3919
65°	3362	3578	3782
70°	3168	3371	3548
75°	2907	3088	3235
80°	2524	2696	2794
85°	2019	2103	2214



TEST NUMBER: P275130

CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.0
10°-20°	124.4	2.9
20°-30°	195.9	4.6
30°-40°	244.8	5.8
40°-50°	261.0	6.2
50°-60°	240.6	5.7
60°-70°	184.8	4.4
70°-80°	104.7	2.5
80°-90°	27.6	0.7
90°-100°	44.5	1.0
100°-110°	209.2	4.9
110°-120°	379.2	8.9
120°-130°	487.1	11.5
130°-140°	518.2	12.2
140°-150°	476.8	11.2
150°-160°	377.5	8.9
160°-170°	239.7	5.7
170°-180°	82.2	1.9
0°-30°	362.6	8.6
0°-40°	607.5	14.3
0°-60°	1109.1	26.2
0°-90°	1426.2	33.6
90°-120°	632.9	14.9
90°-150°	2114.9	49.9
90°-180°	2814.0	66.4
0°-180°	4240.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	443	443	443	443	443	
5°	446	442	444	443	440	42
15°	435	433	439	446	448	123
25°	410	411	427	436	440	189
35°	370	377	395	404	410	231
45°	316	324	341	351	358	244
55°	251	259	271	280	284	224
65°	176	180	187	194	198	174
75°	93	95	99	103	104	99
85°	22	23	23	24	24	25
90°	1	1	1	0	0	3
95°	29	30	33	35	37	38
105°	175	183	200	212	218	185
115°	342	357	387	411	423	338
125°	495	510	549	579	596	442
135°	624	634	677	706	723	481
145°	731	728	765	789	803	457
155°	808	797	817	834	844	373
165°	858	844	844	847	850	242
175°	880	870	864	858	851	84
180°	869	869	869	869	869	



TEST NUMBER: P275130

CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	443.4	443.4	443.4	443.4	443.4
2.5°	447.3	443.4	444.4	444.4	438.6
5°	446.3	442.4	444.4	443.4	440.5
7.5°	444.4	441.5	444.4	444.4	442.4
10°	442.4	439.7	442.4	443.4	442.4
12.5°	439.7	436.8	441.5	443.4	444.4
15°	434.8	432.9	438.6	446.3	448.3
17.5°	430.2	429.2	437.8	446.3	447.3
20°	423.4	423.4	436.8	443.4	444.4
22.5°	417.8	417.8	432.9	439.7	443.4
25°	410.2	411.1	427.3	435.9	439.7
27.5°	401.6	404.5	420.5	430.2	433.9
30°	392.1	396.8	413.9	423.4	428.3
32.5°	380.8	387.2	404.5	413.9	418.7
35°	370.1	376.9	394.8	404.5	410.2
37.5°	356.9	365.4	383.5	393.0	399.7
40°	344.6	353.2	370.1	380.8	387.2
42.5°	330.2	339.6	355.9	366.4	373.0
45°	316.0	324.4	340.7	351.2	357.8
47.5°	300.7	309.4	325.6	335.1	341.5
50°	284.5	294.0	308.3	317.8	323.6
52.5°	268.2	276.9	290.2	299.9	305.5
55°	251.1	258.8	271.3	279.9	284.5
57.5°	233.0	240.6	251.1	259.8	264.5
60°	214.9	220.7	230.3	238.8	242.7
62.5°	196.0	200.9	209.3	216.1	220.7
65°	176.0	179.9	187.3	194.1	198.0
67.5°	155.2	158.9	165.5	171.3	174.1
70°	134.2	137.9	142.8	147.4	150.3
72.5°	114.1	116.1	120.8	124.7	126.6
75°	93.2	95.1	99.0	102.7	103.7
77.5°	74.3	75.1	78.2	80.0	80.9
80°	54.3	56.2	58.0	58.9	60.1
82.5°	37.1	38.1	38.9	39.9	40.8
85°	21.8	22.7	22.7	23.9	23.9
87.5°	9.5	10.5	10.5	10.5	10.5
90°	1.0	1.0	1.0	0.0	0.0
92.5°	9.5	9.5	10.5	11.3	12.4
95°	29.4	30.5	33.3	35.2	37.1
97.5°	58.9	60.9	66.5	71.4	73.3
100°	95.1	99.0	107.6	114.1	117.1
102.5°	134.2	139.8	152.3	161.8	166.5
105°	175.2	182.8	199.9	212.2	218.0
107.5°	217.0	226.6	248.4	262.6	270.3
110°	258.8	271.3	295.0	313.9	319.7



TEST NUMBER: P275130

CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	300.7	313.9	342.5	363.5	374.0
115°	342.5	356.9	387.2	411.1	422.6
117.5°	382.6	397.7	431.0	457.8	468.1
120°	420.5	436.8	473.0	500.6	512.9
122.5°	458.6	474.0	511.9	541.4	556.8
125°	494.8	510.1	549.2	579.4	595.7
127.5°	529.2	543.2	584.4	615.7	630.9
130°	562.4	575.7	617.5	648.2	665.2
132.5°	593.8	606.2	648.2	677.6	695.7
135°	624.3	633.8	676.6	706.0	723.3
137.5°	652.7	659.5	701.5	730.9	747.2
140°	681.3	683.4	724.1	751.7	768.8
142.5°	707.1	706.0	745.1	771.7	787.9
145°	730.9	728.0	765.1	788.8	803.2
147.5°	753.6	747.2	782.2	802.3	815.5
150°	773.6	765.1	795.6	815.5	826.9
152.5°	790.7	781.2	806.9	825.0	836.3
155°	807.9	796.6	817.4	834.5	844.1
157.5°	823.1	808.8	825.0	840.2	848.0
160°	836.3	822.3	832.6	844.1	849.9
162.5°	848.0	833.6	838.4	845.0	849.9
165°	857.5	844.1	844.1	846.8	849.9
167.5°	864.9	853.6	848.0	848.9	849.9
170°	871.7	860.2	854.5	848.9	848.0
172.5°	876.5	864.9	860.2	852.6	846.8
175°	880.2	869.9	863.9	857.5	850.7
177.5°	881.2	872.6	867.8	861.2	855.5
180°	868.8	868.8	868.8	868.8	868.8

(END OF REPORT)