

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: P275131

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275131
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 (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: 4350.9 lumens
Efficiency: N/A
Efficacy: 120.2 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

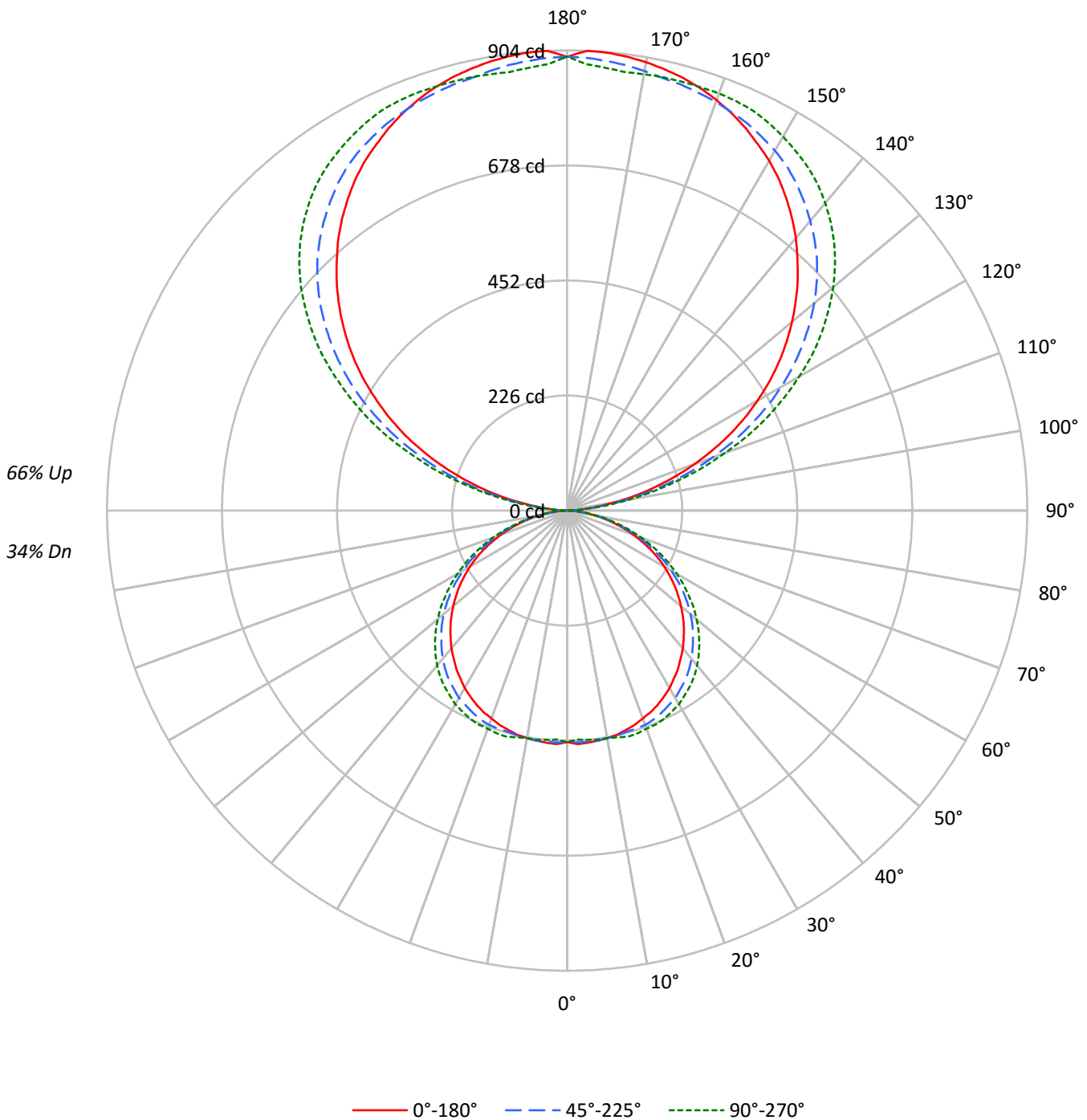
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3672	3672	3672
5°	3711	3695	3663
10°	3721	3721	3721
15°	3728	3762	3845
20°	3732	3851	3918
25°	3749	3905	4018
30°	3750	3959	4097
35°	3742	3992	4148
40°	3725	4001	4187
45°	3701	3990	4191
50°	3666	3974	4170
55°	3627	3917	4108
60°	3560	3815	4020
65°	3450	3671	3882
70°	3250	3460	3640
75°	2985	3169	3319
80°	2590	2771	2864
85°	2075	2158	2269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	1.0
10°-20°	127.6	2.9
20°-30°	201.0	4.6
30°-40°	251.2	5.8
40°-50°	267.8	6.2
50°-60°	246.9	5.7
60°-70°	189.6	4.4
70°-80°	107.4	2.5
80°-90°	28.3	0.7
90°-100°	45.6	1.0
100°-110°	214.7	4.9
110°-120°	389.1	8.9
120°-130°	499.8	11.5
130°-140°	531.6	12.2
140°-150°	489.2	11.2
150°-160°	387.4	8.9
160°-170°	245.9	5.7
170°-180°	84.4	1.9
0°-30°	372.1	8.6
0°-40°	623.3	14.3
0°-60°	1138.0	26.2
0°-90°	1463.3	33.6
90°-120°	649.3	14.9
90°-150°	2169.9	49.9
90°-180°	2888.0	66.4
0°-180°	4350.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	455	455	455	455	455	
5°	458	454	456	455	452	44
15°	446	444	450	458	460	126
25°	421	422	438	447	451	194
35°	380	387	405	415	421	237
45°	324	333	350	360	367	250
55°	258	266	278	287	292	230
65°	181	185	192	199	203	178
75°	96	98	102	105	106	102
85°	22	23	23	24	24	25
90°	1	1	1	0	0	3
95°	30	31	34	36	38	39
105°	180	188	205	218	224	190
115°	351	366	397	422	434	347
125°	508	523	564	594	611	453
135°	641	650	694	724	742	494
145°	750	747	785	809	824	469
155°	829	817	839	856	866	382
165°	880	866	866	869	872	248
175°	903	892	886	880	873	86
180°	892	892	892	892	892	



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CATALOG NUMBER: J3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	454.9	454.9	454.9	454.9	454.9
2.5°	458.9	454.9	456.0	456.0	450.1
5°	457.9	453.9	456.0	454.9	452.0
7.5°	456.0	453.0	456.0	456.0	453.9
10°	453.9	451.1	453.9	454.9	453.9
12.5°	451.1	448.2	453.0	454.9	456.0
15°	446.1	444.2	450.1	457.9	460.0
17.5°	441.4	440.4	449.2	457.9	458.9
20°	434.4	434.4	448.2	454.9	456.0
22.5°	428.7	428.7	444.2	451.1	454.9
25°	420.9	421.8	438.4	447.3	451.1
27.5°	412.0	415.0	431.5	441.4	445.2
30°	402.3	407.2	424.7	434.4	439.5
32.5°	390.7	397.3	415.0	424.7	429.6
35°	379.7	386.7	405.1	415.0	420.9
37.5°	366.2	374.9	393.5	403.2	410.1
40°	353.5	362.4	379.7	390.7	397.3
42.5°	338.8	348.5	365.2	375.9	382.7
45°	324.2	332.9	349.5	360.3	367.1
47.5°	308.6	317.4	334.1	343.8	350.4
50°	291.9	301.6	316.4	326.1	332.0
52.5°	275.2	284.1	297.8	307.7	313.4
55°	257.7	265.5	278.3	287.2	291.9
57.5°	239.1	246.9	257.7	266.5	271.4
60°	220.5	226.4	236.3	245.0	249.0
62.5°	201.1	206.1	214.8	221.7	226.4
65°	180.6	184.6	192.2	199.2	203.2
67.5°	159.2	163.0	169.8	175.7	178.7
70°	137.7	141.5	146.6	151.2	154.2
72.5°	117.0	119.1	124.0	128.0	129.9
75°	95.7	97.6	101.6	105.4	106.4
77.5°	76.2	77.1	80.2	82.1	83.0
80°	55.7	57.6	59.6	60.4	61.6
82.5°	38.0	39.1	39.9	41.0	41.8
85°	22.4	23.3	23.3	24.5	24.5
87.5°	9.7	10.8	10.8	10.8	10.8
90°	1.0	1.0	1.0	0.0	0.0
92.5°	9.7	9.7	10.8	11.6	12.7
95°	30.2	31.3	34.2	36.1	38.0
97.5°	60.4	62.5	68.2	73.3	75.2
100°	97.6	101.6	110.4	117.0	120.2
102.5°	137.7	143.4	156.3	166.0	170.9
105°	179.7	187.5	205.1	217.7	223.6
107.5°	222.6	232.5	254.9	269.5	277.3
110°	265.5	278.3	302.7	322.1	328.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	308.6	322.1	351.4	373.0	383.7
115°	351.4	366.2	397.3	421.8	433.6
117.5°	392.6	408.1	442.3	469.7	480.3
120°	431.5	448.2	485.3	513.6	526.3
122.5°	470.6	486.4	525.3	555.5	571.3
125°	507.7	523.3	563.5	594.5	611.2
127.5°	543.0	557.4	599.6	631.7	647.3
130°	577.0	590.7	633.6	665.0	682.6
132.5°	609.3	622.0	665.0	695.3	713.8
135°	640.6	650.3	694.2	724.4	742.1
137.5°	669.7	676.7	719.7	749.9	766.6
140°	699.1	701.2	743.0	771.3	788.8
142.5°	725.5	724.4	764.5	791.8	808.5
145°	749.9	747.0	785.0	809.3	824.1
147.5°	773.2	766.6	802.6	823.2	836.8
150°	793.7	785.0	816.3	836.8	848.4
152.5°	811.2	801.5	827.9	846.5	858.1
155°	829.0	817.3	838.7	856.2	866.1
157.5°	844.6	829.8	846.5	862.1	870.1
160°	858.1	843.7	854.3	866.1	872.0
162.5°	870.1	855.3	860.2	867.0	872.0
165°	879.8	866.1	866.1	868.9	872.0
167.5°	887.5	875.8	870.1	871.0	872.0
170°	894.4	882.6	876.7	871.0	870.1
172.5°	899.3	887.5	882.6	874.8	868.9
175°	903.1	892.5	886.4	879.8	872.9
177.5°	904.1	895.3	890.4	883.7	877.7
180°	891.5	891.5	891.5	891.5	891.5

(END OF REPORT)