

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: P275127

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275127
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3765.1 lumens
Efficiency: N/A
Efficacy: 106.4 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

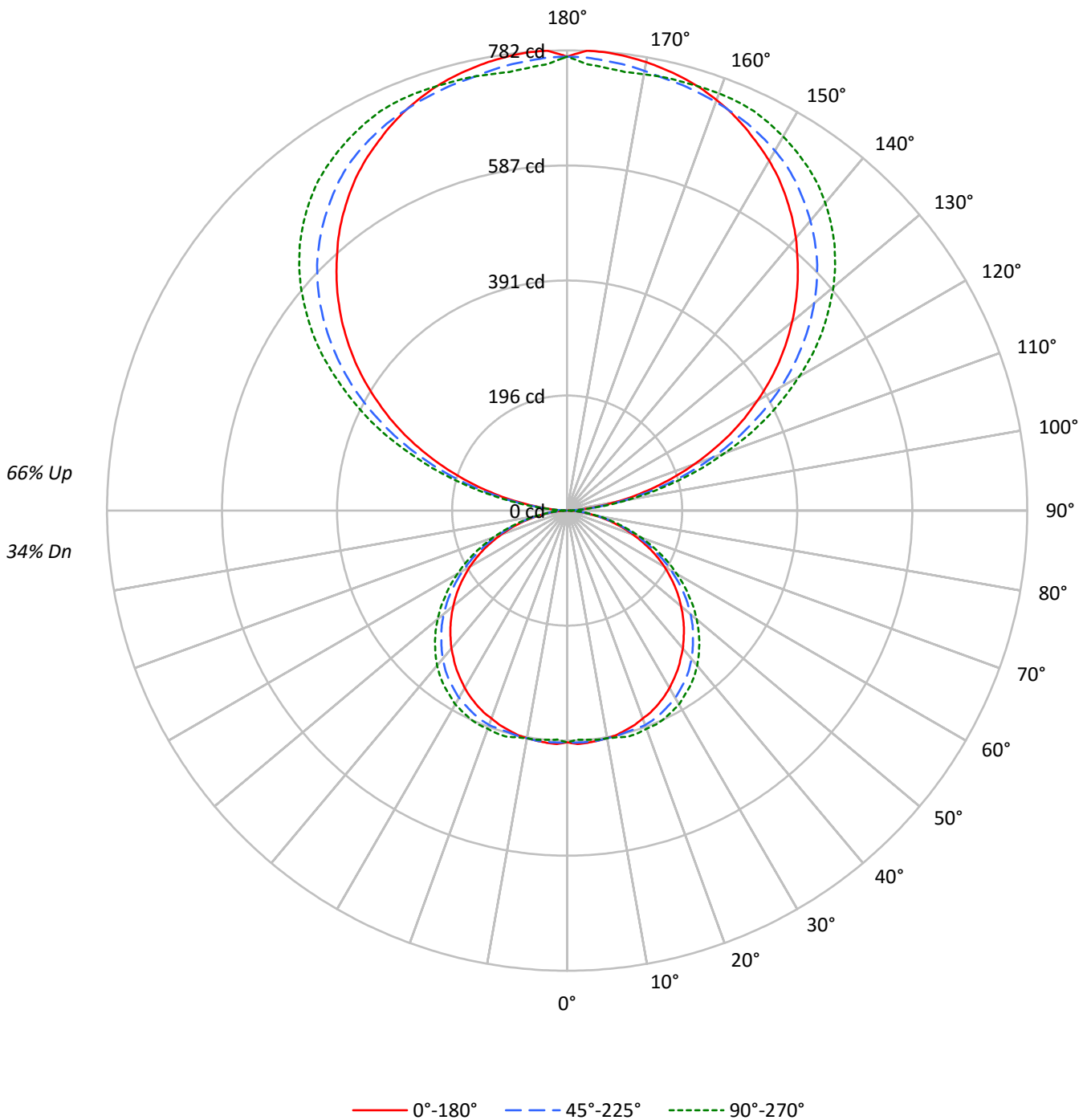
Input Watts (W): 35.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3178	3178	3178
5°	3211	3198	3169
10°	3220	3220	3220
15°	3226	3255	3326
20°	3229	3332	3390
25°	3244	3380	3477
30°	3245	3426	3545
35°	3238	3455	3589
40°	3224	3463	3623
45°	3202	3454	3626
50°	3172	3439	3608
55°	3139	3391	3555
60°	3081	3302	3479
65°	2986	3177	3358
70°	2814	2993	3149
75°	2583	2742	2873
80°	2241	2394	2478
85°	1797	1862	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.0
10°-20°	110.5	2.9
20°-30°	174.0	4.6
30°-40°	217.4	5.8
40°-50°	231.7	6.2
50°-60°	213.7	5.7
60°-70°	164.1	4.4
70°-80°	93.0	2.5
80°-90°	24.5	0.7
90°-100°	39.5	1.0
100°-110°	185.8	4.9
110°-120°	336.7	8.9
120°-130°	432.5	11.5
130°-140°	460.1	12.2
140°-150°	423.3	11.2
150°-160°	335.2	8.9
160°-170°	212.8	5.7
170°-180°	73.0	1.9
0°-30°	322.0	8.6
0°-40°	539.4	14.3
0°-60°	984.7	26.2
0°-90°	1266.3	33.6
90°-120°	561.9	14.9
90°-150°	1877.7	49.9
90°-180°	2499.0	66.4
0°-180°	3765.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	394	394	394	394	394	
5°	396	393	395	394	391	38
15°	386	384	390	396	398	109
25°	364	365	379	387	390	168
35°	329	335	351	359	364	205
45°	280	288	302	312	318	216
55°	223	230	241	248	253	199
65°	156	160	166	172	176	154
75°	83	84	88	91	92	88
85°	19	20	20	21	21	22
90°	1	1	1	0	0	3
95°	26	27	30	31	33	34
105°	156	162	178	188	194	165
115°	304	317	344	365	375	300
125°	439	453	488	514	529	392
135°	554	563	601	627	642	427
145°	649	646	679	700	713	406
155°	717	707	726	741	750	331
165°	761	750	750	752	755	215
175°	782	772	767	761	755	74
180°	771	771	771	771	771	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	393.7	393.7	393.7	393.7	393.7
2.5°	397.1	393.7	394.6	394.6	389.5
5°	396.2	392.8	394.6	393.7	391.1
7.5°	394.6	392.0	394.6	394.6	392.8
10°	392.8	390.4	392.8	393.7	392.8
12.5°	390.4	387.8	392.0	393.7	394.6
15°	386.0	384.4	389.5	396.2	398.0
17.5°	382.0	381.1	388.7	396.2	397.1
20°	375.9	375.9	387.8	393.7	394.6
22.5°	371.0	371.0	384.4	390.4	393.7
25°	364.2	365.0	379.4	387.1	390.4
27.5°	356.6	359.1	373.4	382.0	385.3
30°	348.1	352.4	367.5	375.9	380.3
32.5°	338.1	343.8	359.1	367.5	371.7
35°	328.6	334.6	350.6	359.1	364.2
37.5°	316.9	324.4	340.5	348.9	354.9
40°	305.9	313.6	328.6	338.1	343.8
42.5°	293.2	301.6	316.0	325.3	331.2
45°	280.5	288.0	302.5	311.8	317.6
47.5°	267.0	274.7	289.1	297.5	303.2
50°	252.6	261.0	273.8	282.2	287.3
52.5°	238.2	245.8	257.7	266.3	271.2
55°	223.0	229.7	240.9	248.5	252.6
57.5°	206.9	213.7	223.0	230.6	234.9
60°	190.8	195.9	204.5	212.0	215.5
62.5°	174.0	178.4	185.9	191.9	195.9
65°	156.3	159.7	166.3	172.3	175.8
67.5°	137.8	141.1	147.0	152.1	154.6
70°	119.2	122.5	126.8	130.9	133.4
72.5°	101.3	103.1	107.3	110.7	112.4
75°	82.8	84.4	87.9	91.2	92.1
77.5°	66.0	66.7	69.4	71.1	71.8
80°	48.2	49.9	51.5	52.3	53.3
82.5°	32.9	33.8	34.6	35.5	36.2
85°	19.4	20.1	20.1	21.2	21.2
87.5°	8.4	9.3	9.3	9.3	9.3
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.4	8.4	9.3	10.1	11.0
95°	26.1	27.0	29.6	31.3	32.9
97.5°	52.3	54.1	59.1	63.4	65.1
100°	84.4	87.9	95.6	101.3	104.0
102.5°	119.2	124.1	135.2	143.6	147.9
105°	155.5	162.3	177.5	188.4	193.5
107.5°	192.6	201.2	220.6	233.2	240.0
110°	229.7	240.9	261.9	278.7	283.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	267.0	278.7	304.1	322.8	332.1
115°	304.1	316.9	343.8	365.0	375.2
117.5°	339.7	353.1	382.7	406.4	415.6
120°	373.4	387.8	420.0	444.5	455.4
122.5°	407.2	420.9	454.5	480.7	494.3
125°	439.4	452.9	487.6	514.5	528.9
127.5°	469.9	482.3	518.8	546.6	560.2
130°	499.3	511.2	548.3	575.5	590.7
132.5°	527.3	538.2	575.5	601.6	617.7
135°	554.3	562.7	600.7	626.9	642.2
137.5°	579.5	585.6	622.8	649.0	663.4
140°	604.9	606.7	643.0	667.4	682.6
142.5°	627.8	626.9	661.6	685.2	699.6
145°	649.0	646.4	679.3	700.4	713.1
147.5°	669.1	663.4	694.5	712.4	724.1
150°	686.8	679.3	706.4	724.1	734.2
152.5°	702.0	693.6	716.4	732.5	742.6
155°	717.3	707.3	725.7	740.9	749.5
157.5°	730.9	718.1	732.5	746.0	752.9
160°	742.6	730.1	739.3	749.5	754.6
162.5°	752.9	740.2	744.4	750.2	754.6
165°	761.4	749.5	749.5	751.9	754.6
167.5°	768.0	757.9	752.9	753.7	754.6
170°	774.0	763.8	758.7	753.7	752.9
172.5°	778.2	768.0	763.8	757.0	751.9
175°	781.5	772.3	767.1	761.4	755.3
177.5°	782.4	774.7	770.5	764.7	759.6
180°	771.4	771.4	771.4	771.4	771.4

(END OF REPORT)