

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: P275117

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-40L92765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3626.9 lumens
Efficiency: N/A
Efficacy: 126.4 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

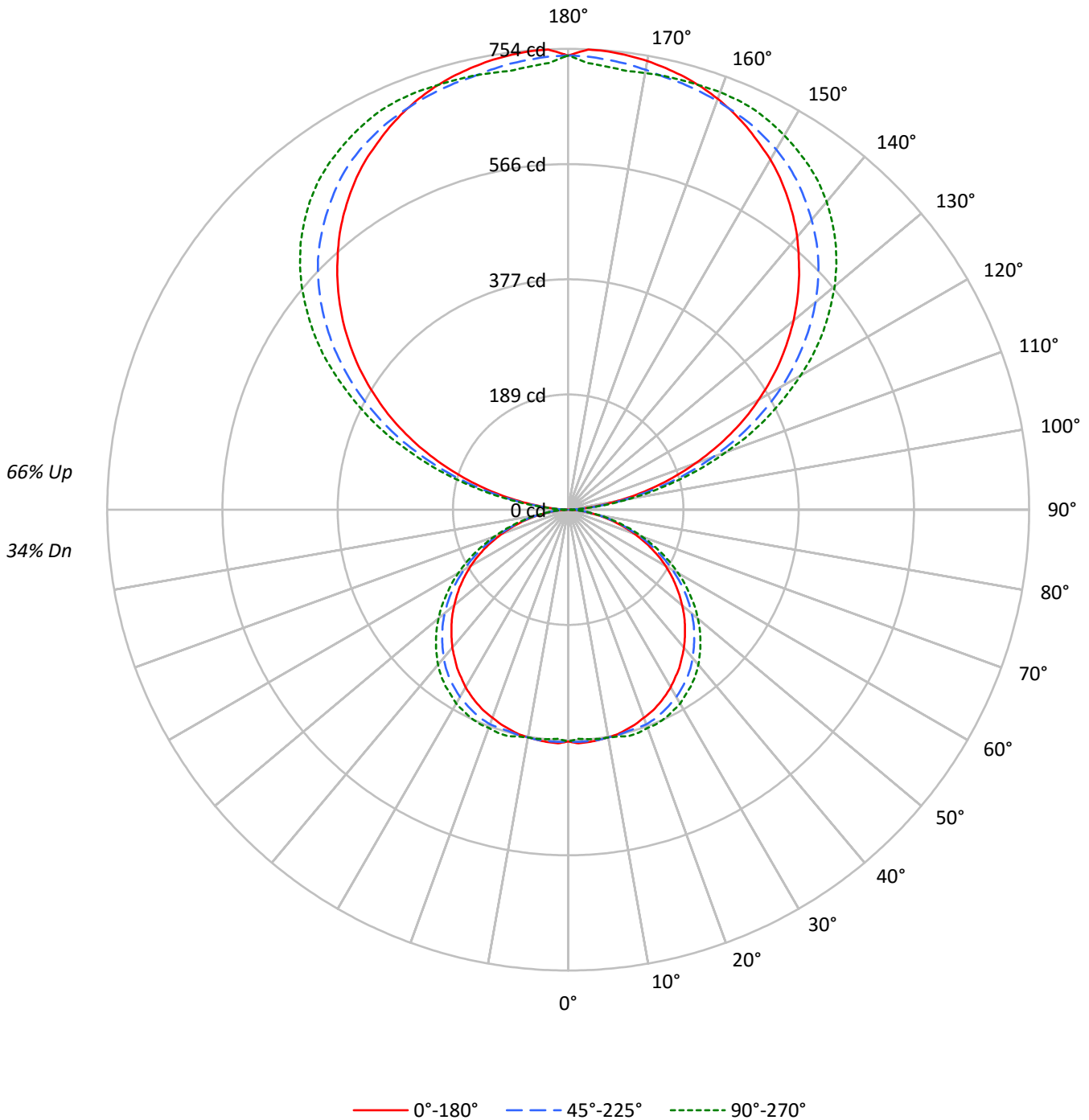
Input Watts (W): 28.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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°	3061	3061	3061
5°	3093	3080	3054
10°	3102	3102	3102
15°	3107	3136	3204
20°	3111	3210	3265
25°	3126	3256	3349
30°	3127	3300	3415
35°	3120	3328	3458
40°	3106	3336	3490
45°	3085	3327	3494
50°	3056	3312	3475
55°	3023	3265	3424
60°	2968	3181	3352
65°	2875	3060	3234
70°	2710	2884	3033
75°	2489	2642	2767
80°	2162	2306	2390
85°	1732	1797	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.0
10°-20°	106.4	2.9
20°-30°	167.6	4.6
30°-40°	209.4	5.8
40°-50°	223.2	6.2
50°-60°	205.8	5.7
60°-70°	158.1	4.4
70°-80°	89.6	2.5
80°-90°	23.6	0.7
90°-100°	38.0	1.0
100°-110°	178.9	4.9
110°-120°	324.3	8.9
120°-130°	416.6	11.5
130°-140°	443.2	12.2
140°-150°	407.8	11.2
150°-160°	322.9	8.9
160°-170°	205.0	5.7
170°-180°	70.3	1.9
0°-30°	310.2	8.6
0°-40°	519.6	14.3
0°-60°	948.6	26.2
0°-90°	1219.8	33.6
90°-120°	541.3	14.9
90°-150°	1808.8	49.9
90°-180°	2407.0	66.4
0°-180°	3626.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	379	379	379	379	379	
5°	382	378	380	379	377	36
15°	372	370	375	382	383	105
25°	351	352	366	373	376	162
35°	317	322	338	346	351	198
45°	270	278	291	300	306	208
55°	215	221	232	239	243	192
65°	150	154	160	166	169	148
75°	80	81	85	88	89	85
85°	19	19	19	20	20	21
90°	1	1	1	0	0	2
95°	25	26	28	30	32	33
105°	150	156	171	182	186	159
115°	293	305	331	352	361	289
125°	423	436	470	496	510	378
135°	534	542	579	604	619	412
145°	625	623	654	675	687	391
155°	691	681	699	714	722	319
165°	733	722	722	724	727	207
175°	753	744	739	733	728	72
180°	743	743	743	743	743	



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CATALOG NUMBER: J3-FL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	379.2	379.2	379.2	379.2	379.2
2.5°	382.6	379.2	380.1	380.1	375.2
5°	381.7	378.4	380.1	379.2	376.8
7.5°	380.1	377.6	380.1	380.1	378.4
10°	378.4	376.0	378.4	379.2	378.4
12.5°	376.0	373.6	377.6	379.2	380.1
15°	371.8	370.3	375.2	381.7	383.4
17.5°	367.9	367.1	374.4	381.7	382.6
20°	362.1	362.1	373.6	379.2	380.1
22.5°	357.4	357.4	370.3	376.0	379.2
25°	350.9	351.6	365.5	372.9	376.0
27.5°	343.5	345.9	359.7	367.9	371.1
30°	335.4	339.4	354.0	362.1	366.3
32.5°	325.7	331.2	345.9	354.0	358.1
35°	316.6	322.3	337.7	345.9	350.9
37.5°	305.3	312.5	328.0	336.1	341.9
40°	294.7	302.1	316.6	325.7	331.2
42.5°	282.4	290.5	304.4	313.4	319.0
45°	270.2	277.5	291.4	300.3	306.0
47.5°	257.2	264.6	278.5	286.6	292.1
50°	243.3	251.4	263.7	271.8	276.7
52.5°	229.4	236.8	248.2	256.5	261.3
55°	214.8	221.3	232.0	239.4	243.3
57.5°	199.3	205.8	214.8	222.2	226.2
60°	183.8	188.7	197.0	204.2	207.6
62.5°	167.6	171.8	179.0	184.8	188.7
65°	150.5	153.9	160.2	166.0	169.3
67.5°	132.7	135.9	141.6	146.5	148.9
70°	114.8	118.0	122.2	126.1	128.5
72.5°	97.6	99.3	103.3	106.7	108.3
75°	79.8	81.3	84.7	87.9	88.7
77.5°	63.5	64.3	66.9	68.5	69.2
80°	46.5	48.1	49.6	50.4	51.4
82.5°	31.7	32.6	33.3	34.2	34.9
85°	18.7	19.4	19.4	20.4	20.4
87.5°	8.1	9.0	9.0	9.0	9.0
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.1	8.1	9.0	9.7	10.6
95°	25.2	26.1	28.5	30.1	31.7
97.5°	50.4	52.1	56.9	61.1	62.7
100°	81.3	84.7	92.1	97.6	100.2
102.5°	114.8	119.6	130.3	138.4	142.4
105°	149.8	156.3	170.9	181.5	186.4
107.5°	185.6	193.8	212.5	224.6	231.2
110°	221.3	232.0	252.3	268.5	273.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	257.2	268.5	293.0	310.9	319.9
115°	293.0	305.3	331.2	351.6	361.4
117.5°	327.3	340.1	368.7	391.5	400.4
120°	359.7	373.6	404.6	428.1	438.7
122.5°	392.3	405.4	437.8	463.0	476.2
125°	423.2	436.3	469.7	495.6	509.5
127.5°	452.6	464.6	499.8	526.6	539.6
130°	481.0	492.4	528.2	554.4	569.0
132.5°	507.9	518.5	554.4	579.5	595.0
135°	534.0	542.1	578.7	603.9	618.6
137.5°	558.3	564.1	600.0	625.1	639.0
140°	582.7	584.5	619.4	642.9	657.6
142.5°	604.7	603.9	637.3	660.0	673.9
145°	625.1	622.7	654.4	674.6	686.9
147.5°	644.5	639.0	669.0	686.2	697.5
150°	661.6	654.4	680.4	697.5	707.2
152.5°	676.2	668.1	690.1	705.6	715.3
155°	691.0	681.3	699.1	713.7	722.0
157.5°	704.0	691.7	705.6	718.6	725.3
160°	715.3	703.3	712.1	722.0	726.9
162.5°	725.3	713.0	717.1	722.7	726.9
165°	733.4	722.0	722.0	724.3	726.9
167.5°	739.8	730.1	725.3	726.0	726.9
170°	745.6	735.7	730.8	726.0	725.3
172.5°	749.6	739.8	735.7	729.2	724.3
175°	752.8	744.0	738.9	733.4	727.6
177.5°	753.7	746.3	742.2	736.6	731.7
180°	743.1	743.1	743.1	743.1	743.1

(END OF REPORT)