

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: P275109

Luminaire Tested: **J3-FL-40L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275109
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-40L82765-1D-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, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4011.5 lumens
Efficiency: N/A
Efficacy: 139.8 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

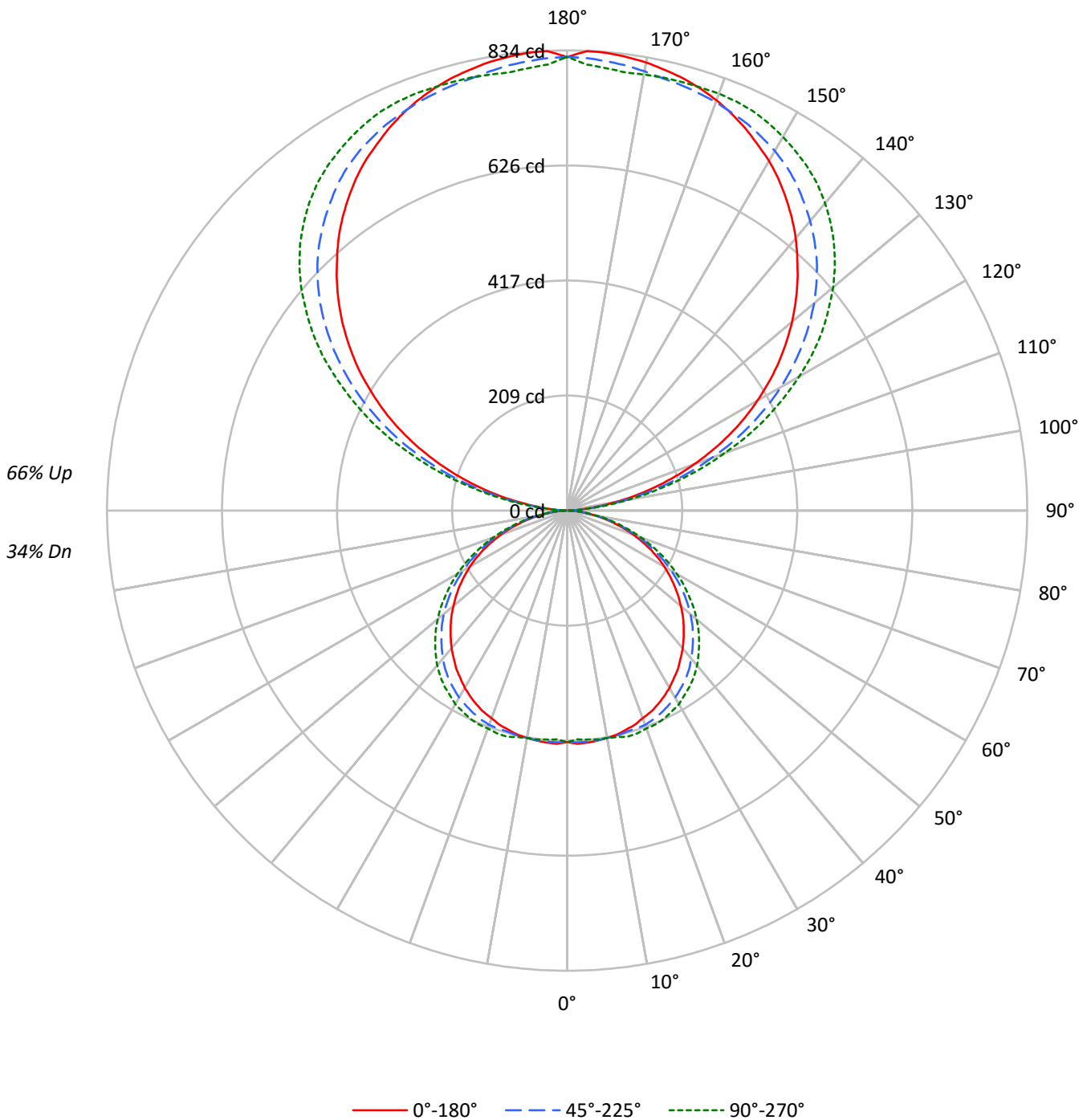
Input Watts (W): 28.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3386	3386	3386
5°	3421	3407	3377
10°	3431	3431	3431
15°	3438	3468	3545
20°	3441	3550	3612
25°	3457	3600	3705
30°	3457	3650	3777
35°	3450	3681	3825
40°	3434	3690	3860
45°	3413	3680	3863
50°	3380	3664	3844
55°	3344	3612	3788
60°	3282	3518	3707
65°	3181	3385	3578
70°	2998	3189	3356
75°	2751	2923	3060
80°	2390	2552	2641
85°	1917	1991	2093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	1.0
10°-20°	117.7	2.9
20°-30°	185.4	4.6
30°-40°	231.6	5.8
40°-50°	246.9	6.2
50°-60°	227.6	5.7
60°-70°	174.8	4.4
70°-80°	99.1	2.5
80°-90°	26.1	0.7
90°-100°	42.1	1.0
100°-110°	197.9	4.9
110°-120°	358.7	8.9
120°-130°	460.8	11.5
130°-140°	490.2	12.2
140°-150°	451.0	11.2
150°-160°	357.1	8.9
160°-170°	226.7	5.7
170°-180°	77.8	1.9
0°-30°	343.1	8.6
0°-40°	574.7	14.3
0°-60°	1049.2	26.2
0°-90°	1349.2	33.6
90°-120°	598.7	14.9
90°-150°	2000.6	49.9
90°-180°	2662.0	66.4
0°-180°	4011.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	422	418	420	419	417	40
15°	411	410	415	422	424	116
25°	388	389	404	412	416	179
35°	350	356	374	383	388	219
45°	299	307	322	332	338	230
55°	238	245	257	265	269	212
65°	166	170	177	184	187	164
75°	88	90	94	97	98	94
85°	21	22	22	23	23	23
90°	1	1	1	0	0	3
95°	28	29	32	33	35	36
105°	166	173	189	201	206	175
115°	324	338	366	389	400	320
125°	468	482	520	548	564	418
135°	591	600	640	668	684	455
145°	691	689	724	746	760	433
155°	764	754	773	789	798	352
165°	811	798	798	801	804	229
175°	833	823	817	811	805	79
180°	822	822	822	822	822	



TEST NUMBER: P275109

CATALOG NUMBER: J3-FL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.4	419.4	419.4	419.4	419.4
2.5°	423.1	419.4	420.4	420.4	415.0
5°	422.2	418.5	420.4	419.4	416.7
7.5°	420.4	417.7	420.4	420.4	418.5
10°	418.5	415.9	418.5	419.4	418.5
12.5°	415.9	413.2	417.7	419.4	420.4
15°	411.3	409.5	415.0	422.2	424.1
17.5°	407.0	406.0	414.2	422.2	423.1
20°	400.5	400.5	413.2	419.4	420.4
22.5°	395.3	395.3	409.5	415.9	419.4
25°	388.1	388.9	404.2	412.4	415.9
27.5°	379.9	382.6	397.8	407.0	410.5
30°	370.9	375.4	391.6	400.5	405.2
32.5°	360.2	366.3	382.6	391.6	396.1
35°	350.1	356.5	373.5	382.6	388.1
37.5°	337.6	345.6	362.8	371.7	378.1
40°	325.9	334.1	350.1	360.2	366.3
42.5°	312.3	321.3	336.7	346.6	352.8
45°	298.9	306.9	322.3	332.2	338.4
47.5°	284.5	292.6	308.0	317.0	323.1
50°	269.1	278.1	291.7	300.7	306.1
52.5°	253.7	261.9	274.6	283.7	289.0
55°	237.6	244.8	256.6	264.8	269.1
57.5°	220.4	227.7	237.6	245.7	250.2
60°	203.3	208.8	217.9	225.9	229.6
62.5°	185.4	190.0	198.0	204.4	208.8
65°	166.5	170.2	177.2	183.6	187.3
67.5°	146.8	150.3	156.6	162.0	164.7
70°	127.0	130.5	135.1	139.4	142.2
72.5°	107.9	109.8	114.3	118.0	119.7
75°	88.2	90.0	93.7	97.2	98.1
77.5°	70.3	71.1	74.0	75.7	76.5
80°	51.4	53.2	54.9	55.7	56.8
82.5°	35.1	36.0	36.8	37.8	38.6
85°	20.7	21.5	21.5	22.6	22.6
87.5°	9.0	9.9	9.9	9.9	9.9
90°	1.0	1.0	1.0	0.0	0.0
92.5°	9.0	9.0	9.9	10.7	11.7
95°	27.9	28.8	31.5	33.3	35.1
97.5°	55.7	57.6	62.9	67.6	69.3
100°	90.0	93.7	101.8	107.9	110.8
102.5°	127.0	132.2	144.1	153.0	157.5
105°	165.7	172.9	189.1	200.8	206.2
107.5°	205.2	214.4	235.0	248.5	255.7
110°	244.8	256.6	279.0	297.0	302.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	284.5	297.0	324.0	343.9	353.8
115°	324.0	337.6	366.3	388.9	399.7
117.5°	362.0	376.2	407.8	433.0	442.8
120°	397.8	413.2	447.5	473.6	485.2
122.5°	433.8	448.4	484.3	512.1	526.7
125°	468.1	482.5	519.5	548.2	563.5
127.5°	500.6	513.9	552.8	582.4	596.8
130°	532.0	544.6	584.2	613.2	629.3
132.5°	561.8	573.4	613.2	641.0	658.1
135°	590.6	599.5	640.0	667.9	684.2
137.5°	617.5	623.9	663.6	691.4	706.8
140°	644.5	646.5	685.0	711.1	727.3
142.5°	668.9	667.9	704.9	730.0	745.4
145°	691.4	688.7	723.8	746.2	759.8
147.5°	712.9	706.8	739.9	759.0	771.5
150°	731.8	723.8	752.6	771.5	782.2
152.5°	747.9	739.0	763.3	780.4	791.2
155°	764.3	753.6	773.2	789.4	798.5
157.5°	778.7	765.1	780.4	794.9	802.2
160°	791.2	777.9	787.7	798.5	804.0
162.5°	802.2	788.6	793.1	799.3	804.0
165°	811.2	798.5	798.5	801.1	804.0
167.5°	818.2	807.5	802.2	803.0	804.0
170°	824.6	813.7	808.3	803.0	802.2
172.5°	829.1	818.2	813.7	806.5	801.1
175°	832.6	822.9	817.3	811.2	804.8
177.5°	833.6	825.4	821.0	814.7	809.3
180°	821.9	821.9	821.9	821.9	821.9

(END OF REPORT)