

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: P275110

Luminaire Tested: **J3-FL-40L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275110
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-40L82765-1D-UNV-W2A-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4019.1 lumens
Efficiency: N/A
Efficacy: 138.1 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

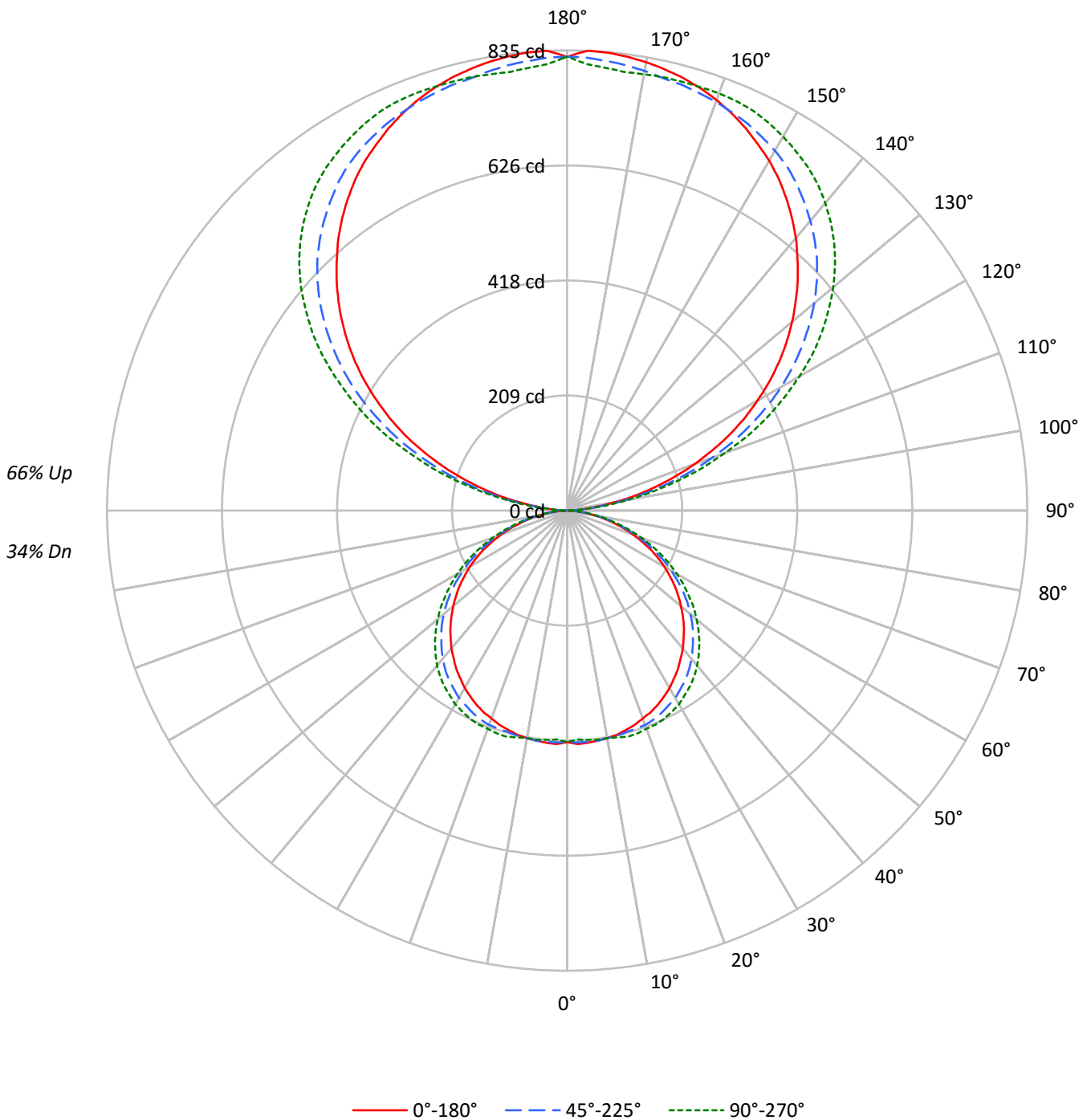
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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°	3392	3392	3392
5°	3428	3413	3383
10°	3437	3437	3437
15°	3444	3475	3551
20°	3448	3557	3619
25°	3463	3608	3712
30°	3464	3657	3785
35°	3457	3688	3832
40°	3442	3697	3868
45°	3419	3687	3871
50°	3386	3670	3852
55°	3350	3619	3795
60°	3289	3525	3714
65°	3186	3393	3585
70°	3002	3196	3361
75°	2757	2926	3066
80°	2394	2557	2645
85°	1917	1991	2093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	1.0
10°-20°	117.9	2.9
20°-30°	185.7	4.6
30°-40°	232.0	5.8
40°-50°	247.3	6.2
50°-60°	228.1	5.7
60°-70°	175.2	4.4
70°-80°	99.2	2.5
80°-90°	26.2	0.7
90°-100°	42.1	1.0
100°-110°	198.3	4.9
110°-120°	359.4	8.9
120°-130°	461.6	11.5
130°-140°	491.1	12.2
140°-150°	451.9	11.2
150°-160°	357.8	8.9
160°-170°	227.2	5.7
170°-180°	77.9	1.9
0°-30°	343.7	8.6
0°-40°	575.8	14.3
0°-60°	1051.2	26.2
0°-90°	1351.7	33.6
90°-120°	599.8	14.9
90°-150°	2004.4	49.9
90°-180°	2667.0	66.4
0°-180°	4019.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	420	420	420	420	420	
5°	423	419	421	420	418	40
15°	412	410	416	423	425	116
25°	389	390	405	413	417	179
35°	351	357	374	383	389	219
45°	300	308	323	333	339	231
55°	238	245	257	265	270	212
65°	167	170	178	184	188	165
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	207	176
115°	325	338	367	390	400	320
125°	469	483	520	549	565	419
135°	592	601	641	669	686	456
145°	693	690	725	748	761	433
155°	766	755	775	791	800	353
165°	813	800	800	803	806	230
175°	834	824	819	813	806	79
180°	824	824	824	824	824	



TEST NUMBER: P275110

CATALOG NUMBER: J3-FL-40L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	420.2	420.2	420.2	420.2	420.2
2.5°	423.9	420.2	421.2	421.2	415.8
5°	423.0	419.3	421.2	420.2	417.5
7.5°	421.2	418.5	421.2	421.2	419.3
10°	419.3	416.7	419.3	420.2	419.3
12.5°	416.7	414.0	418.5	420.2	421.2
15°	412.1	410.3	415.8	423.0	424.9
17.5°	407.7	406.8	415.0	423.0	423.9
20°	401.3	401.3	414.0	420.2	421.2
22.5°	396.0	396.0	410.3	416.7	420.2
25°	388.8	389.6	405.0	413.2	416.7
27.5°	380.6	383.4	398.6	407.7	411.3
30°	371.6	376.1	392.3	401.3	406.0
32.5°	360.9	367.0	383.4	392.3	396.8
35°	350.8	357.2	374.2	383.4	388.8
37.5°	338.3	346.3	363.5	372.4	378.9
40°	326.6	334.8	350.8	360.9	367.0
42.5°	312.9	321.9	337.3	347.3	353.5
45°	299.5	307.5	322.9	332.8	339.1
47.5°	285.0	293.2	308.6	317.6	323.7
50°	269.6	278.6	292.2	301.2	306.7
52.5°	254.2	262.4	275.1	284.2	289.5
55°	238.0	245.2	257.1	265.3	269.6
57.5°	220.9	228.1	238.0	246.2	250.7
60°	203.7	209.2	218.3	226.3	230.0
62.5°	185.7	190.4	198.4	204.8	209.2
65°	166.8	170.5	177.6	184.0	187.7
67.5°	147.1	150.6	156.9	162.3	165.1
70°	127.2	130.7	135.4	139.7	142.4
72.5°	108.1	110.0	114.5	118.2	120.0
75°	88.4	90.1	93.8	97.4	98.3
77.5°	70.4	71.2	74.1	75.9	76.7
80°	51.5	53.3	55.0	55.8	56.9
82.5°	35.1	36.1	36.9	37.9	38.7
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	28.9	31.6	33.4	35.1
97.5°	55.8	57.7	63.0	67.7	69.5
100°	90.1	93.8	102.0	108.1	111.0
102.5°	127.2	132.5	144.4	153.3	157.8
105°	166.0	173.2	189.4	201.1	206.6
107.5°	205.6	214.8	235.5	248.9	256.2
110°	245.2	257.1	279.6	297.5	303.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	285.0	297.5	324.6	344.5	354.5
115°	324.6	338.3	367.0	389.6	400.5
117.5°	362.7	376.9	408.5	433.9	443.7
120°	398.6	414.0	448.3	474.5	486.2
122.5°	434.7	449.3	485.2	513.1	527.7
125°	469.0	483.4	520.5	549.2	564.6
127.5°	501.6	514.9	553.9	583.5	598.0
130°	533.0	545.7	585.3	614.3	630.5
132.5°	562.8	574.5	614.3	642.2	659.4
135°	591.7	600.7	641.3	669.2	685.5
137.5°	618.7	625.1	664.9	692.8	708.2
140°	645.8	647.7	686.3	712.5	728.7
142.5°	670.1	669.2	706.2	731.4	746.8
145°	692.8	690.0	725.2	747.6	761.3
147.5°	714.3	708.2	741.4	760.5	773.0
150°	733.2	725.2	754.0	773.0	783.7
152.5°	749.4	740.4	764.8	781.9	792.7
155°	765.7	755.0	774.7	790.9	800.1
157.5°	780.2	766.5	781.9	796.4	803.8
160°	792.7	779.4	789.2	800.1	805.5
162.5°	803.8	790.1	794.6	800.9	805.5
165°	812.7	800.1	800.1	802.6	805.5
167.5°	819.8	809.1	803.8	804.6	805.5
170°	826.2	815.3	809.9	804.6	803.8
172.5°	830.7	819.8	815.3	808.1	802.6
175°	834.2	824.4	818.8	812.7	806.3
177.5°	835.2	827.0	822.5	816.3	810.8
180°	823.5	823.5	823.5	823.5	823.5

(END OF REPORT)