

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: P275114

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275114
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-40L92765-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3396.1 lumens
Efficiency: N/A
Efficacy: 120.4 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

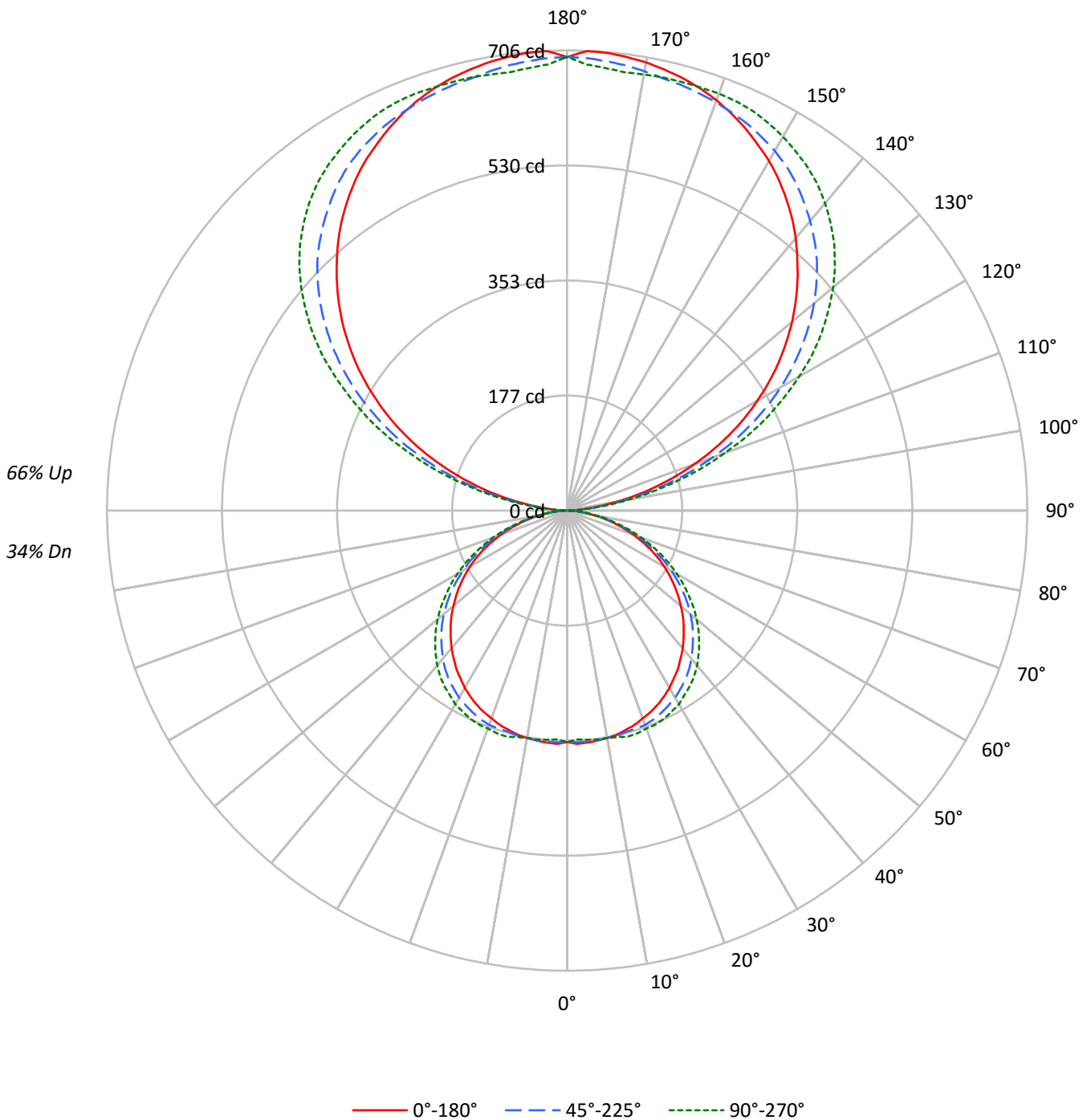
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2867	2867	2867
5°	2896	2884	2859
10°	2904	2904	2904
15°	2910	2936	3000
20°	2913	3005	3058
25°	2926	3048	3136
30°	2927	3090	3197
35°	2921	3116	3237
40°	2908	3124	3268
45°	2888	3115	3271
50°	2861	3101	3254
55°	2830	3058	3206
60°	2779	2979	3139
65°	2693	2865	3030
70°	2537	2700	2842
75°	2330	2473	2592
80°	2022	2162	2236
85°	1621	1686	1769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	1.0
10°-20°	99.6	2.9
20°-30°	156.9	4.6
30°-40°	196.1	5.8
40°-50°	209.0	6.2
50°-60°	192.7	5.7
60°-70°	148.0	4.4
70°-80°	83.9	2.5
80°-90°	22.1	0.7
90°-100°	35.6	1.0
100°-110°	167.6	4.9
110°-120°	303.7	8.9
120°-130°	390.1	11.5
130°-140°	415.0	12.2
140°-150°	381.8	11.2
150°-160°	302.4	8.9
160°-170°	191.9	5.7
170°-180°	65.8	1.9
0°-30°	290.4	8.6
0°-40°	486.5	14.3
0°-60°	888.2	26.2
0°-90°	1142.2	33.6
90°-120°	506.8	14.9
90°-150°	1693.7	49.9
90°-180°	2254.0	66.4
0°-180°	3396.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	355	355	355	355	355	
5°	357	354	356	355	353	34
15°	348	347	351	357	359	98
25°	328	329	342	349	352	151
35°	296	302	316	324	328	185
45°	253	260	273	281	286	195
55°	201	207	217	224	228	180
65°	141	144	150	156	159	139
75°	75	76	79	82	83	79
85°	18	18	18	19	19	20
90°	1	1	1	0	0	2
95°	24	24	27	28	30	31
105°	140	146	160	170	175	148
115°	274	286	310	329	338	271
125°	396	408	440	464	477	354
135°	500	508	542	565	579	386
145°	585	583	613	632	643	366
155°	647	638	655	668	676	298
165°	687	676	676	678	681	194
175°	705	697	692	687	681	67
180°	696	696	696	696	696	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	355.1	355.1	355.1	355.1	355.1
2.5°	358.2	355.1	355.9	355.9	351.3
5°	357.4	354.3	355.9	355.1	352.8
7.5°	355.9	353.6	355.9	355.9	354.3
10°	354.3	352.1	354.3	355.1	354.3
12.5°	352.1	349.8	353.6	355.1	355.9
15°	348.2	346.7	351.3	357.4	359.0
17.5°	344.5	343.7	350.6	357.4	358.2
20°	339.1	339.1	349.8	355.1	355.9
22.5°	334.6	334.6	346.7	352.1	355.1
25°	328.5	329.2	342.2	349.1	352.1
27.5°	321.6	323.9	336.8	344.5	347.5
30°	314.0	317.8	331.5	339.1	343.0
32.5°	304.9	310.1	323.9	331.5	335.3
35°	296.4	301.8	316.2	323.9	328.5
37.5°	285.8	292.6	307.1	314.7	320.1
40°	275.9	282.9	296.4	304.9	310.1
42.5°	264.4	272.0	285.0	293.4	298.7
45°	253.0	259.8	272.8	281.2	286.5
47.5°	240.8	247.8	260.8	268.4	273.5
50°	227.8	235.4	246.9	254.5	259.1
52.5°	214.8	221.7	232.4	240.2	244.6
55°	201.1	207.2	217.3	224.2	227.8
57.5°	186.6	192.7	201.1	208.0	211.8
60°	172.1	176.7	184.5	191.2	194.4
62.5°	156.9	160.9	167.7	173.1	176.7
65°	141.0	144.1	150.0	155.5	158.6
67.5°	124.3	127.3	132.6	137.2	139.5
70°	107.5	110.5	114.4	118.0	120.4
72.5°	91.3	93.0	96.8	99.9	101.4
75°	74.7	76.2	79.3	82.3	83.1
77.5°	59.5	60.2	62.6	64.1	64.8
80°	43.5	45.0	46.5	47.2	48.1
82.5°	29.7	30.5	31.2	32.0	32.7
85°	17.5	18.2	18.2	19.1	19.1
87.5°	7.6	8.4	8.4	8.4	8.4
90°	0.8	0.8	0.8	0.0	0.0
92.5°	7.6	7.6	8.4	9.1	9.9
95°	23.6	24.4	26.7	28.2	29.7
97.5°	47.2	48.8	53.3	57.2	58.7
100°	76.2	79.3	86.2	91.3	93.8
102.5°	107.5	112.0	122.0	129.6	133.4
105°	140.3	146.4	160.1	170.0	174.6
107.5°	173.8	181.5	199.0	210.3	216.4
110°	207.2	217.3	236.2	251.4	256.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	240.8	251.4	274.3	291.1	299.5
115°	274.3	285.8	310.1	329.2	338.4
117.5°	306.4	318.5	345.2	366.6	374.9
120°	336.8	349.8	378.8	400.9	410.8
122.5°	367.3	379.6	410.0	433.6	445.9
125°	396.3	408.5	439.8	464.1	477.1
127.5°	423.8	435.1	468.0	493.1	505.3
130°	450.4	461.1	494.6	519.1	532.8
132.5°	475.6	485.5	519.1	542.7	557.2
135°	500.0	507.6	541.9	565.4	579.3
137.5°	522.8	528.2	561.8	585.4	598.4
140°	545.7	547.3	579.9	602.0	615.7
142.5°	566.3	565.4	596.8	618.0	631.0
145°	585.4	583.1	612.7	631.7	643.2
147.5°	603.5	598.4	626.4	642.6	653.1
150°	619.5	612.7	637.1	653.1	662.2
152.5°	633.2	625.6	646.2	660.7	669.8
155°	647.0	638.0	654.6	668.3	676.0
157.5°	659.2	647.7	660.7	672.9	679.2
160°	669.8	658.6	666.8	676.0	680.6
162.5°	679.2	667.6	671.4	676.7	680.6
165°	686.7	676.0	676.0	678.2	680.6
167.5°	692.7	683.6	679.2	679.8	680.6
170°	698.1	688.9	684.3	679.8	679.2
172.5°	701.9	692.7	688.9	682.8	678.2
175°	704.9	696.6	691.9	686.7	681.3
177.5°	705.7	698.8	695.0	689.7	685.1
180°	695.8	695.8	695.8	695.8	695.8

(END OF REPORT)