

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: P275112

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275112
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3134.6 lumens
Efficiency: N/A
Efficacy: 113.6 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

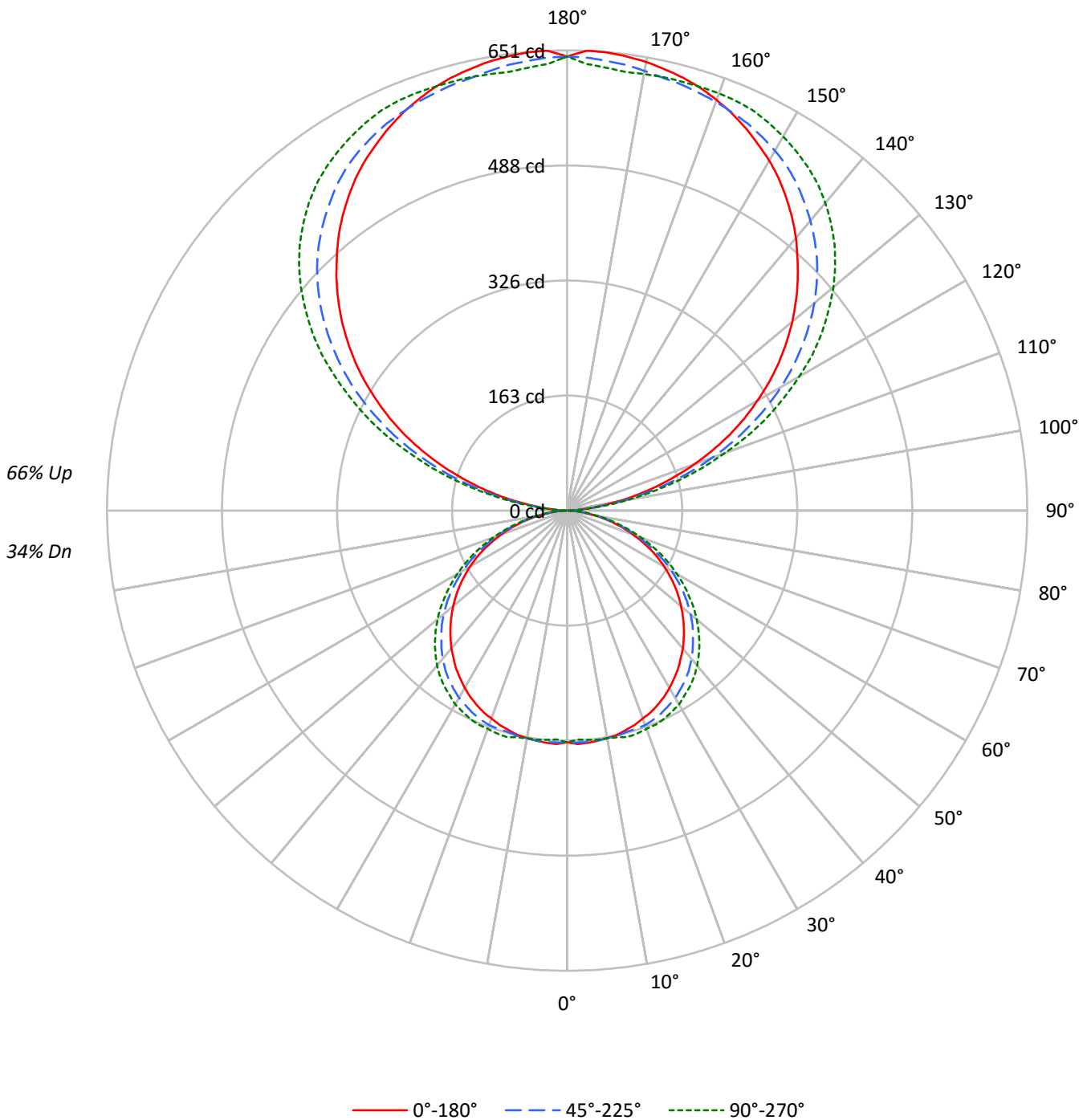
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					34			
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28					28			
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23					23			
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19					19			
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16					16			
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14					14			
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12					12			
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11					11			
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10					10			
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9					9			
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8					8			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2646	2646	2646
5°	2673	2662	2639
10°	2681	2681	2681
15°	2686	2710	2770
20°	2689	2774	2822
25°	2701	2814	2895
30°	2701	2852	2951
35°	2696	2876	2988
40°	2684	2883	3016
45°	2667	2875	3020
50°	2641	2862	3004
55°	2612	2822	2960
60°	2566	2750	2897
65°	2485	2646	2797
70°	2341	2493	2622
75°	2149	2283	2392
80°	1869	1994	2064
85°	1491	1556	1630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	1.0
10°-20°	92.0	2.9
20°-30°	144.8	4.6
30°-40°	181.0	5.8
40°-50°	192.9	6.2
50°-60°	177.9	5.7
60°-70°	136.6	4.4
70°-80°	77.4	2.5
80°-90°	20.4	0.7
90°-100°	32.9	1.0
100°-110°	154.6	4.9
110°-120°	280.3	8.9
120°-130°	360.0	11.5
130°-140°	383.0	12.2
140°-150°	352.4	11.2
150°-160°	279.1	8.9
160°-170°	177.2	5.7
170°-180°	60.8	1.9
0°-30°	268.1	8.6
0°-40°	449.1	14.3
0°-60°	819.8	26.2
0°-90°	1054.3	33.6
90°-120°	467.8	14.9
90°-150°	1563.3	49.9
90°-180°	2080.0	66.4
0°-180°	3134.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	328	328	328	328	328	
5°	330	327	328	328	326	31
15°	321	320	324	330	331	91
25°	303	304	316	322	325	140
35°	274	279	292	299	303	171
45°	234	240	252	260	264	180
55°	186	191	200	207	210	166
65°	130	133	138	144	146	128
75°	69	70	73	76	77	73
85°	16	17	17	18	18	18
90°	1	1	1	0	0	2
95°	22	22	25	26	27	28
105°	130	135	148	157	161	137
115°	253	264	286	304	312	250
125°	366	377	406	428	440	326
135°	462	468	500	522	535	356
145°	540	538	566	583	594	338
155°	597	589	604	617	624	275
165°	634	624	624	626	628	179
175°	651	643	639	634	629	62
180°	642	642	642	642	642	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	327.8	327.8	327.8	327.8	327.8
2.5°	330.6	327.8	328.5	328.5	324.2
5°	329.9	327.0	328.5	327.8	325.6
7.5°	328.5	326.4	328.5	328.5	327.0
10°	327.0	325.0	327.0	327.8	327.0
12.5°	325.0	322.9	326.4	327.8	328.5
15°	321.4	320.0	324.2	329.9	331.4
17.5°	318.0	317.2	323.6	329.9	330.6
20°	313.0	313.0	322.9	327.8	328.5
22.5°	308.9	308.9	320.0	325.0	327.8
25°	303.2	303.9	315.9	322.2	325.0
27.5°	296.9	299.0	310.9	318.0	320.7
30°	289.8	293.3	306.0	313.0	316.6
32.5°	281.5	286.2	299.0	306.0	309.5
35°	273.6	278.6	291.8	299.0	303.2
37.5°	263.8	270.1	283.5	290.5	295.5
40°	254.7	261.1	273.6	281.5	286.2
42.5°	244.1	251.1	263.1	270.8	275.7
45°	233.6	239.8	251.8	259.6	264.5
47.5°	222.3	228.7	240.7	247.7	252.4
50°	210.3	217.3	227.9	234.9	239.2
52.5°	198.3	204.7	214.5	221.7	225.8
55°	185.6	191.3	200.5	206.9	210.3
57.5°	172.3	177.9	185.6	192.0	195.5
60°	158.9	163.1	170.3	176.5	179.4
62.5°	144.9	148.5	154.7	159.7	163.1
65°	130.1	133.0	138.5	143.5	146.4
67.5°	114.7	117.5	122.3	126.6	128.7
70°	99.2	102.0	105.6	109.0	111.1
72.5°	84.3	85.8	89.3	92.2	93.6
75°	68.9	70.3	73.2	75.9	76.7
77.5°	54.9	55.5	57.8	59.2	59.8
80°	40.2	41.5	42.9	43.5	44.4
82.5°	27.4	28.1	28.8	29.5	30.1
85°	16.1	16.8	16.8	17.6	17.6
87.5°	7.0	7.8	7.8	7.8	7.8
90°	0.8	0.8	0.8	0.0	0.0
92.5°	7.0	7.0	7.8	8.4	9.1
95°	21.8	22.5	24.6	26.0	27.4
97.5°	43.5	45.0	49.2	52.8	54.2
100°	70.3	73.2	79.6	84.3	86.6
102.5°	99.2	103.3	112.6	119.6	123.1
105°	129.5	135.1	147.7	156.9	161.1
107.5°	160.4	167.5	183.6	194.1	199.8
110°	191.3	200.5	218.0	232.1	236.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.3	232.1	253.2	268.7	276.5
115°	253.2	263.8	286.2	303.9	312.4
117.5°	282.8	294.0	318.6	338.4	346.0
120°	310.9	322.9	349.6	370.0	379.2
122.5°	339.0	350.4	378.4	400.2	411.6
125°	365.8	377.0	405.9	428.3	440.3
127.5°	391.2	401.6	432.0	455.1	466.4
130°	415.7	425.6	456.5	479.1	491.8
132.5°	439.0	448.1	479.1	500.9	514.3
135°	461.5	468.5	500.1	521.9	534.7
137.5°	482.5	487.5	518.5	540.3	552.3
140°	503.6	505.1	535.3	555.7	568.3
142.5°	522.7	521.9	550.8	570.4	582.4
145°	540.3	538.2	565.6	583.1	593.7
147.5°	557.1	552.3	578.2	593.1	602.8
150°	571.8	565.6	588.1	602.8	611.2
152.5°	584.4	577.4	596.5	609.8	618.2
155°	597.2	588.8	604.2	616.8	624.0
157.5°	608.5	597.8	609.8	621.1	626.9
160°	618.2	607.8	615.5	624.0	628.2
162.5°	626.9	616.2	619.7	624.6	628.2
165°	633.9	624.0	624.0	626.0	628.2
167.5°	639.4	631.0	626.9	627.5	628.2
170°	644.4	635.9	631.6	627.5	626.9
172.5°	647.9	639.4	635.9	630.2	626.0
175°	650.6	643.0	638.6	633.9	628.9
177.5°	651.4	645.0	641.5	636.6	632.4
180°	642.2	642.2	642.2	642.2	642.2

(END OF REPORT)