

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: P275116

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275116
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3553.8 lumens
Efficiency: N/A
Efficacy: 124.7 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

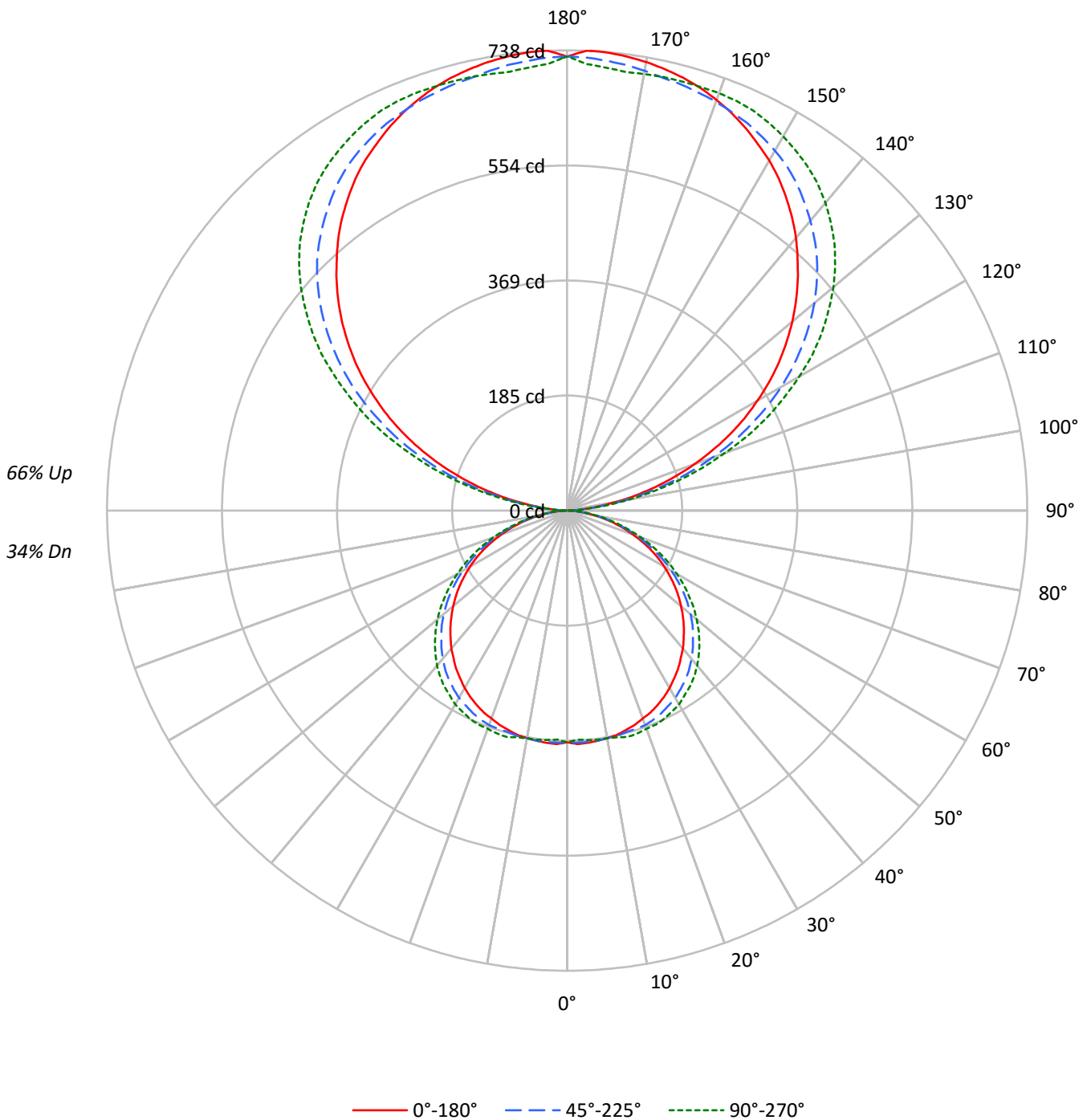
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3000	3000	3000
5°	3031	3018	2992
10°	3039	3039	3039
15°	3046	3072	3140
20°	3048	3145	3199
25°	3062	3190	3282
30°	3063	3234	3347
35°	3057	3261	3388
40°	3044	3269	3420
45°	3023	3260	3423
50°	2994	3245	3406
55°	2963	3199	3355
60°	2908	3116	3284
65°	2818	2999	3169
70°	2655	2825	2972
75°	2436	2589	2711
80°	2115	2259	2338
85°	1695	1760	1853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	1.0
10°-20°	104.3	2.9
20°-30°	164.2	4.6
30°-40°	205.2	5.8
40°-50°	218.7	6.2
50°-60°	201.7	5.7
60°-70°	154.9	4.4
70°-80°	87.8	2.5
80°-90°	23.1	0.7
90°-100°	37.3	1.0
100°-110°	175.3	4.9
110°-120°	317.8	8.9
120°-130°	408.2	11.5
130°-140°	434.2	12.2
140°-150°	399.6	11.2
150°-160°	316.4	8.9
160°-170°	200.9	5.7
170°-180°	68.9	1.9
0°-30°	303.9	8.6
0°-40°	509.1	14.3
0°-60°	929.5	26.2
0°-90°	1195.2	33.6
90°-120°	530.4	14.9
90°-150°	1772.4	49.9
90°-180°	2359.0	66.4
0°-180°	3553.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	372	372	372	372	372	
5°	374	371	372	372	369	36
15°	364	363	368	374	376	103
25°	344	344	358	365	368	158
35°	310	316	331	339	344	194
45°	265	272	286	294	300	204
55°	210	217	227	235	238	188
65°	148	151	157	163	166	146
75°	78	80	83	86	87	83
85°	18	19	19	20	20	21
90°	1	1	1	0	0	2
95°	25	26	28	30	31	32
105°	147	153	168	178	183	155
115°	287	299	324	344	354	283
125°	415	428	460	486	499	370
135°	523	531	567	592	606	403
145°	612	610	641	661	673	383
155°	677	668	685	699	707	312
165°	719	707	707	710	712	203
175°	738	729	724	719	713	70
180°	728	728	728	728	728	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	371.6	371.6	371.6	371.6	371.6
2.5°	374.8	371.6	372.4	372.4	367.6
5°	374.0	370.7	372.4	371.6	369.2
7.5°	372.4	370.0	372.4	372.4	370.7
10°	370.7	368.5	370.7	371.6	370.7
12.5°	368.5	366.1	370.0	371.6	372.4
15°	364.4	362.8	367.6	374.0	375.7
17.5°	360.5	359.7	366.9	374.0	374.8
20°	354.8	354.8	366.1	371.6	372.4
22.5°	350.2	350.2	362.8	368.5	371.6
25°	343.8	344.5	358.1	365.3	368.5
27.5°	336.6	339.0	352.4	360.5	363.6
30°	328.6	332.6	346.9	354.8	359.0
32.5°	319.1	324.5	339.0	346.9	350.9
35°	310.2	315.8	330.9	339.0	343.8
37.5°	299.1	306.2	321.4	329.3	335.0
40°	288.8	296.0	310.2	319.1	324.5
42.5°	276.7	284.6	298.3	307.1	312.6
45°	264.8	271.9	285.5	294.3	299.8
47.5°	252.0	259.3	272.9	280.8	286.2
50°	238.4	246.4	258.4	266.4	271.2
52.5°	224.8	232.0	243.2	251.3	256.0
55°	210.5	216.9	227.3	234.6	238.4
57.5°	195.3	201.7	210.5	217.7	221.7
60°	180.1	184.9	193.0	200.1	203.4
62.5°	164.2	168.3	175.4	181.1	184.9
65°	147.5	150.8	157.0	162.7	165.9
67.5°	130.1	133.2	138.7	143.5	145.9
70°	112.5	115.6	119.7	123.5	125.9
72.5°	95.6	97.3	101.3	104.5	106.1
75°	78.1	79.7	83.0	86.1	86.9
77.5°	62.3	63.0	65.5	67.1	67.8
80°	45.5	47.1	48.6	49.4	50.3
82.5°	31.1	31.9	32.6	33.5	34.2
85°	18.3	19.0	19.0	20.0	20.0
87.5°	7.9	8.8	8.8	8.8	8.8
90°	0.9	0.9	0.9	0.0	0.0
92.5°	7.9	7.9	8.8	9.5	10.4
95°	24.7	25.5	27.9	29.5	31.1
97.5°	49.4	51.1	55.7	59.9	61.4
100°	79.7	83.0	90.2	95.6	98.1
102.5°	112.5	117.1	127.6	135.6	139.6
105°	146.8	153.2	167.5	177.9	182.7
107.5°	181.8	189.9	208.2	220.1	226.5
110°	216.9	227.3	247.2	263.1	267.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	252.0	263.1	287.1	304.6	313.4
115°	287.1	299.1	324.5	344.5	354.1
117.5°	320.7	333.3	361.2	383.6	392.3
120°	352.4	366.1	396.4	419.5	429.9
122.5°	384.3	397.3	429.0	453.7	466.6
125°	414.7	427.5	460.2	485.6	499.2
127.5°	443.5	455.3	489.7	516.0	528.7
130°	471.3	482.5	517.5	543.2	557.5
132.5°	497.7	508.0	543.2	567.9	583.0
135°	523.2	531.1	567.0	591.7	606.2
137.5°	547.0	552.7	587.9	612.5	626.2
140°	571.0	572.7	606.9	630.0	644.3
142.5°	592.6	591.7	624.5	646.7	660.3
145°	612.5	610.1	641.2	661.1	673.1
147.5°	631.6	626.2	655.5	672.4	683.5
150°	648.3	641.2	666.7	683.5	693.0
152.5°	662.6	654.7	676.2	691.4	700.9
155°	677.1	667.6	685.0	699.3	707.4
157.5°	689.8	677.8	691.4	704.2	710.7
160°	700.9	689.1	697.8	707.4	712.3
162.5°	710.7	698.6	702.6	708.1	712.3
165°	718.6	707.4	707.4	709.7	712.3
167.5°	724.9	715.4	710.7	711.4	712.3
170°	730.5	720.9	716.1	711.4	710.7
172.5°	734.5	724.9	720.9	714.5	709.7
175°	737.6	729.0	724.0	718.6	713.0
177.5°	738.5	731.3	727.3	721.8	716.9
180°	728.1	728.1	728.1	728.1	728.1

(END OF REPORT)