

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: P253538

Luminaire Tested: **J3-FL-40L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253538
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-40L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3268.2 lumens
Efficiency: N/A
Efficacy: 115.1 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

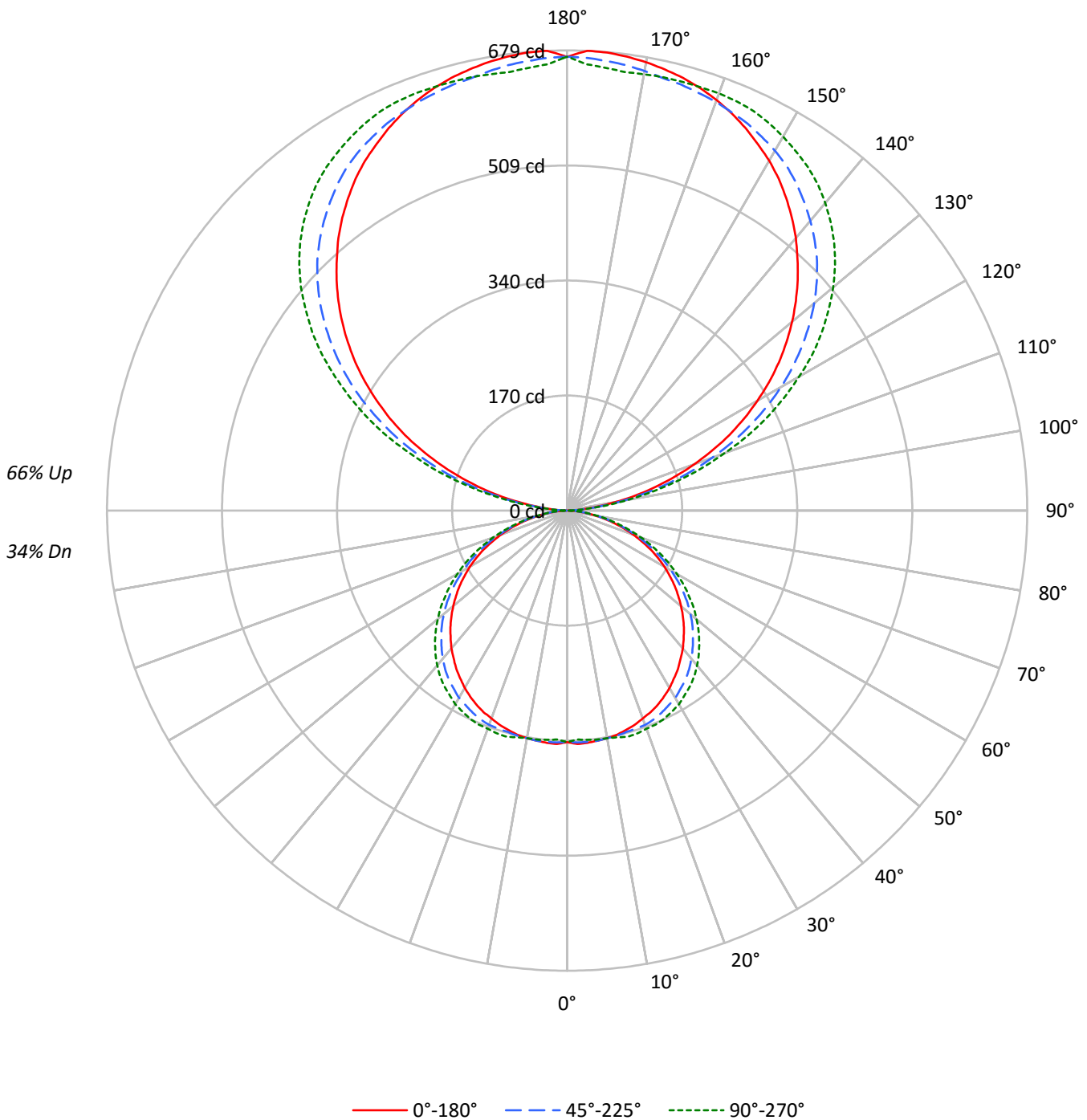
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2759	2759	2759
5°	2787	2776	2751
10°	2795	2795	2795
15°	2801	2826	2888
20°	2803	2892	2942
25°	2817	2933	3019
30°	2817	2974	3077
35°	2811	2999	3116
40°	2799	3006	3145
45°	2780	2998	3148
50°	2754	2984	3132
55°	2725	2943	3087
60°	2674	2866	3019
65°	2590	2758	2915
70°	2441	2599	2733
75°	2243	2380	2495
80°	1948	2078	2152
85°	1556	1621	1704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	1.0
10°-20°	95.9	2.9
20°-30°	151.0	4.6
30°-40°	188.7	5.8
40°-50°	201.1	6.2
50°-60°	185.5	5.7
60°-70°	142.4	4.4
70°-80°	80.7	2.5
80°-90°	21.3	0.7
90°-100°	34.3	1.0
100°-110°	161.2	4.9
110°-120°	292.2	8.9
120°-130°	375.4	11.5
130°-140°	399.3	12.2
140°-150°	367.4	11.2
150°-160°	291.0	8.9
160°-170°	184.7	5.7
170°-180°	63.4	1.9
0°-30°	279.5	8.6
0°-40°	468.2	14.3
0°-60°	854.8	26.2
0°-90°	1099.2	33.6
90°-120°	487.7	14.9
90°-150°	1629.9	49.9
90°-180°	2169.0	66.4
0°-180°	3268.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	342	342	342	342	342	
5°	344	341	342	342	340	33
15°	335	334	338	344	346	95
25°	316	317	329	336	339	146
35°	285	290	304	312	316	178
45°	244	250	263	271	276	188
55°	194	199	209	216	219	173
65°	136	139	144	150	153	134
75°	72	73	76	79	80	76
85°	17	18	18	18	18	19
90°	1	1	1	0	0	2
95°	23	24	26	27	29	29
105°	135	141	154	164	168	143
115°	264	275	298	317	326	260
125°	381	393	423	447	459	340
135°	481	488	522	544	558	371
145°	563	561	590	608	619	352
155°	623	614	630	643	651	287
165°	661	651	651	653	655	187
175°	678	670	666	661	656	64
180°	670	670	670	670	670	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	341.7	341.7	341.7	341.7	341.7
2.5°	344.7	341.7	342.5	342.5	338.1
5°	343.9	340.9	342.5	341.7	339.5
7.5°	342.5	340.3	342.5	342.5	340.9
10°	340.9	338.9	340.9	341.7	340.9
12.5°	338.9	336.6	340.3	341.7	342.5
15°	335.1	333.6	338.1	343.9	345.5
17.5°	331.5	330.8	337.4	343.9	344.7
20°	326.3	326.3	336.6	341.7	342.5
22.5°	322.0	322.0	333.6	338.9	341.7
25°	316.2	316.8	329.3	336.0	338.9
27.5°	309.5	311.7	324.1	331.5	334.4
30°	302.2	305.9	319.0	326.3	330.1
32.5°	293.5	298.4	311.7	319.0	322.7
35°	285.2	290.5	304.3	311.7	316.2
37.5°	275.1	281.6	295.6	302.9	308.1
40°	265.6	272.2	285.2	293.5	298.4
42.5°	254.5	261.8	274.3	282.4	287.5
45°	243.5	250.0	262.6	270.6	275.7
47.5°	231.8	238.4	250.9	258.2	263.2
50°	219.3	226.6	237.6	244.9	249.4
52.5°	206.7	213.4	223.7	231.1	235.4
55°	193.6	199.4	209.1	215.7	219.3
57.5°	179.6	185.5	193.6	200.2	203.9
60°	165.6	170.1	177.5	184.0	187.0
62.5°	151.0	154.8	161.3	166.6	170.1
65°	135.6	138.6	144.4	149.6	152.6
67.5°	119.6	122.5	127.6	132.0	134.2
70°	103.4	106.3	110.1	113.6	115.8
72.5°	87.9	89.5	93.1	96.1	97.6
75°	71.9	73.3	76.3	79.2	80.0
77.5°	57.3	57.9	60.3	61.7	62.3
80°	41.9	43.3	44.7	45.4	46.3
82.5°	28.6	29.3	30.0	30.8	31.4
85°	16.8	17.5	17.5	18.4	18.4
87.5°	7.3	8.1	8.1	8.1	8.1
90°	0.8	0.8	0.8	0.0	0.0
92.5°	7.3	7.3	8.1	8.7	9.5
95°	22.7	23.5	25.7	27.1	28.6
97.5°	45.4	47.0	51.3	55.0	56.5
100°	73.3	76.3	83.0	87.9	90.3
102.5°	103.4	107.7	117.4	124.7	128.3
105°	135.0	140.9	154.0	163.6	168.0
107.5°	167.2	174.6	191.5	202.4	208.3
110°	199.4	209.1	227.3	241.9	246.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	231.8	241.9	264.0	280.2	288.2
115°	264.0	275.1	298.4	316.8	325.7
117.5°	294.9	306.5	332.2	352.8	360.8
120°	324.1	336.6	364.5	385.8	395.3
122.5°	353.5	365.3	394.5	417.2	429.1
125°	381.4	393.1	423.2	446.6	459.1
127.5°	407.8	418.7	450.4	474.5	486.2
130°	433.4	443.7	475.9	499.5	512.7
132.5°	457.7	467.2	499.5	522.2	536.2
135°	481.2	488.5	521.5	544.1	557.5
137.5°	503.1	508.3	540.6	563.3	575.8
140°	525.1	526.7	558.1	579.4	592.5
142.5°	544.9	544.1	574.3	594.8	607.3
145°	563.3	561.1	589.7	607.9	619.0
147.5°	580.8	575.8	602.8	618.4	628.5
150°	596.2	589.7	613.1	628.5	637.3
152.5°	609.4	602.1	621.9	635.8	644.6
155°	622.7	613.9	630.0	643.1	650.6
157.5°	634.4	623.3	635.8	647.6	653.6
160°	644.6	633.8	641.7	650.6	655.0
162.5°	653.6	642.5	646.1	651.2	655.0
165°	660.9	650.6	650.6	652.7	655.0
167.5°	666.6	657.9	653.6	654.2	655.0
170°	671.8	663.0	658.5	654.2	653.6
172.5°	675.5	666.6	663.0	657.1	652.7
175°	678.4	670.4	665.8	660.9	655.7
177.5°	679.1	672.5	668.8	663.8	659.3
180°	669.6	669.6	669.6	669.6	669.6

(END OF REPORT)