

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: P275128

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275128
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-50L92765-1D-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: 3913.9 lumens
Efficiency: N/A
Efficacy: 111.2 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

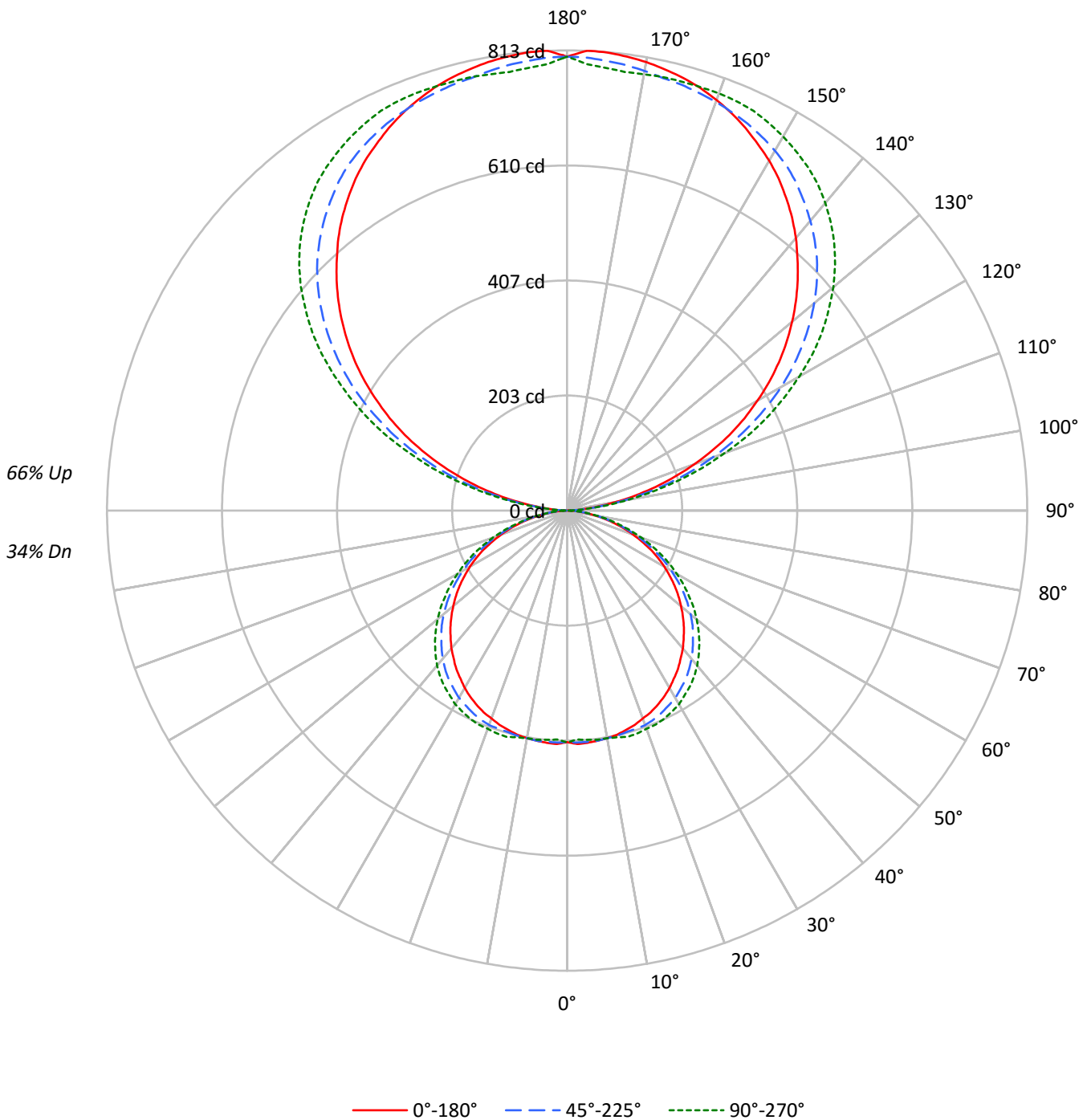
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3303	3303	3303
5°	3338	3324	3295
10°	3347	3347	3347
15°	3354	3384	3458
20°	3357	3464	3524
25°	3372	3513	3615
30°	3374	3562	3685
35°	3367	3591	3731
40°	3351	3600	3766
45°	3329	3589	3770
50°	3298	3574	3751
55°	3263	3524	3696
60°	3203	3433	3617
65°	3102	3303	3492
70°	2924	3111	3274
75°	2686	2851	2988
80°	2329	2492	2580
85°	1862	1936	2038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.0
10°-20°	114.8	2.9
20°-30°	180.9	4.6
30°-40°	226.0	5.8
40°-50°	240.9	6.2
50°-60°	222.1	5.7
60°-70°	170.6	4.4
70°-80°	96.7	2.5
80°-90°	25.5	0.7
90°-100°	41.0	1.0
100°-110°	193.1	4.9
110°-120°	350.0	8.9
120°-130°	449.6	11.5
130°-140°	478.2	12.2
140°-150°	440.1	11.2
150°-160°	348.5	8.9
160°-170°	221.2	5.7
170°-180°	75.9	1.9
0°-30°	334.7	8.6
0°-40°	560.7	14.3
0°-60°	1023.7	26.2
0°-90°	1316.4	33.6
90°-120°	584.1	14.9
90°-150°	1952.0	49.9
90°-180°	2598.0	66.4
0°-180°	3913.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	409	409	409	409	409	
5°	412	408	410	409	407	39
15°	401	400	405	412	414	113
25°	379	379	394	402	406	174
35°	342	348	364	373	379	213
45°	292	299	314	324	330	225
55°	232	239	250	258	263	207
65°	162	166	173	179	183	160
75°	86	88	91	95	96	91
85°	20	21	21	22	22	23
90°	1	1	1	0	0	3
95°	27	28	31	32	34	35
105°	162	169	184	196	201	171
115°	316	329	357	379	390	312
125°	457	471	507	535	550	408
135°	576	585	624	652	668	444
145°	675	672	706	728	741	422
155°	746	735	754	770	779	344
165°	792	779	779	782	784	224
175°	812	803	797	792	785	77
180°	802	802	802	802	802	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	409.2	409.2	409.2	409.2	409.2
2.5°	412.8	409.2	410.2	410.2	404.9
5°	411.9	408.3	410.2	409.2	406.6
7.5°	410.2	407.5	410.2	410.2	408.3
10°	408.3	405.8	408.3	409.2	408.3
12.5°	405.8	403.2	407.5	409.2	410.2
15°	401.3	399.6	404.9	411.9	413.8
17.5°	397.1	396.1	404.1	411.9	412.8
20°	390.8	390.8	403.2	409.2	410.2
22.5°	385.7	385.7	399.6	405.8	409.2
25°	378.6	379.4	394.4	402.4	405.8
27.5°	370.7	373.3	388.2	397.1	400.5
30°	361.9	366.3	382.1	390.8	395.3
32.5°	351.4	357.4	373.3	382.1	386.4
35°	341.6	347.9	364.4	373.3	378.6
37.5°	329.4	337.2	353.9	362.7	368.9
40°	318.0	326.0	341.6	351.4	357.4
42.5°	304.7	313.5	328.5	338.2	344.3
45°	291.6	299.4	314.4	324.1	330.2
47.5°	277.6	285.5	300.5	309.3	315.2
50°	262.6	271.3	284.6	293.3	298.7
52.5°	247.6	255.5	267.9	276.8	281.9
55°	231.8	238.8	250.4	258.4	262.6
57.5°	215.1	222.1	231.8	239.8	244.1
60°	198.4	203.7	212.6	220.4	224.0
62.5°	180.9	185.4	193.2	199.5	203.7
65°	162.4	166.0	172.9	179.2	182.8
67.5°	143.2	146.7	152.8	158.1	160.7
70°	123.9	127.3	131.8	136.0	138.7
72.5°	105.3	107.2	111.5	115.1	116.8
75°	86.1	87.8	91.4	94.8	95.8
77.5°	68.6	69.4	72.2	73.9	74.7
80°	50.1	51.9	53.6	54.4	55.5
82.5°	34.2	35.1	35.9	36.9	37.6
85°	20.1	20.9	20.9	22.0	22.0
87.5°	8.7	9.7	9.7	9.7	9.7
90°	0.9	0.9	0.9	0.0	0.0
92.5°	8.7	8.7	9.7	10.5	11.4
95°	27.2	28.1	30.8	32.5	34.2
97.5°	54.4	56.2	61.4	65.9	67.6
100°	87.8	91.4	99.3	105.3	108.1
102.5°	123.9	129.0	140.6	149.3	153.7
105°	161.7	168.7	184.5	195.9	201.2
107.5°	200.2	209.2	229.3	242.4	249.5
110°	238.8	250.4	272.3	289.7	295.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	277.6	289.7	316.1	335.5	345.2
115°	316.1	329.4	357.4	379.4	390.0
117.5°	353.2	367.1	397.8	422.5	432.0
120°	388.2	403.2	436.6	462.0	473.4
122.5°	423.3	437.5	472.5	499.7	513.9
125°	456.7	470.8	506.9	534.8	549.8
127.5°	488.4	501.4	539.4	568.3	582.3
130°	519.0	531.4	570.0	598.2	614.0
132.5°	548.1	559.5	598.2	625.4	642.1
135°	576.2	585.0	624.5	651.7	667.6
137.5°	602.5	608.7	647.4	674.6	689.6
140°	628.9	630.7	668.4	693.8	709.6
142.5°	652.6	651.7	687.7	712.3	727.3
145°	674.6	672.0	706.2	728.0	741.3
147.5°	695.6	689.6	722.0	740.5	752.7
150°	714.0	706.2	734.3	752.7	763.2
152.5°	729.8	721.0	744.8	761.5	771.9
155°	745.7	735.2	754.4	770.2	779.1
157.5°	759.8	746.5	761.5	775.5	782.7
160°	771.9	759.0	768.5	779.1	784.4
162.5°	782.7	769.4	773.8	779.9	784.4
165°	791.5	779.1	779.1	781.6	784.4
167.5°	798.3	787.9	782.7	783.5	784.4
170°	804.6	794.0	788.6	783.5	782.7
172.5°	809.0	798.3	794.0	786.9	781.6
175°	812.4	802.9	797.4	791.5	785.2
177.5°	813.3	805.4	801.0	794.9	789.6
180°	801.9	801.9	801.9	801.9	801.9

(END OF REPORT)