

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: P275129

Luminaire Tested: **J3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275129
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4110.8 lumens
Efficiency: N/A
Efficacy: 115.5 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

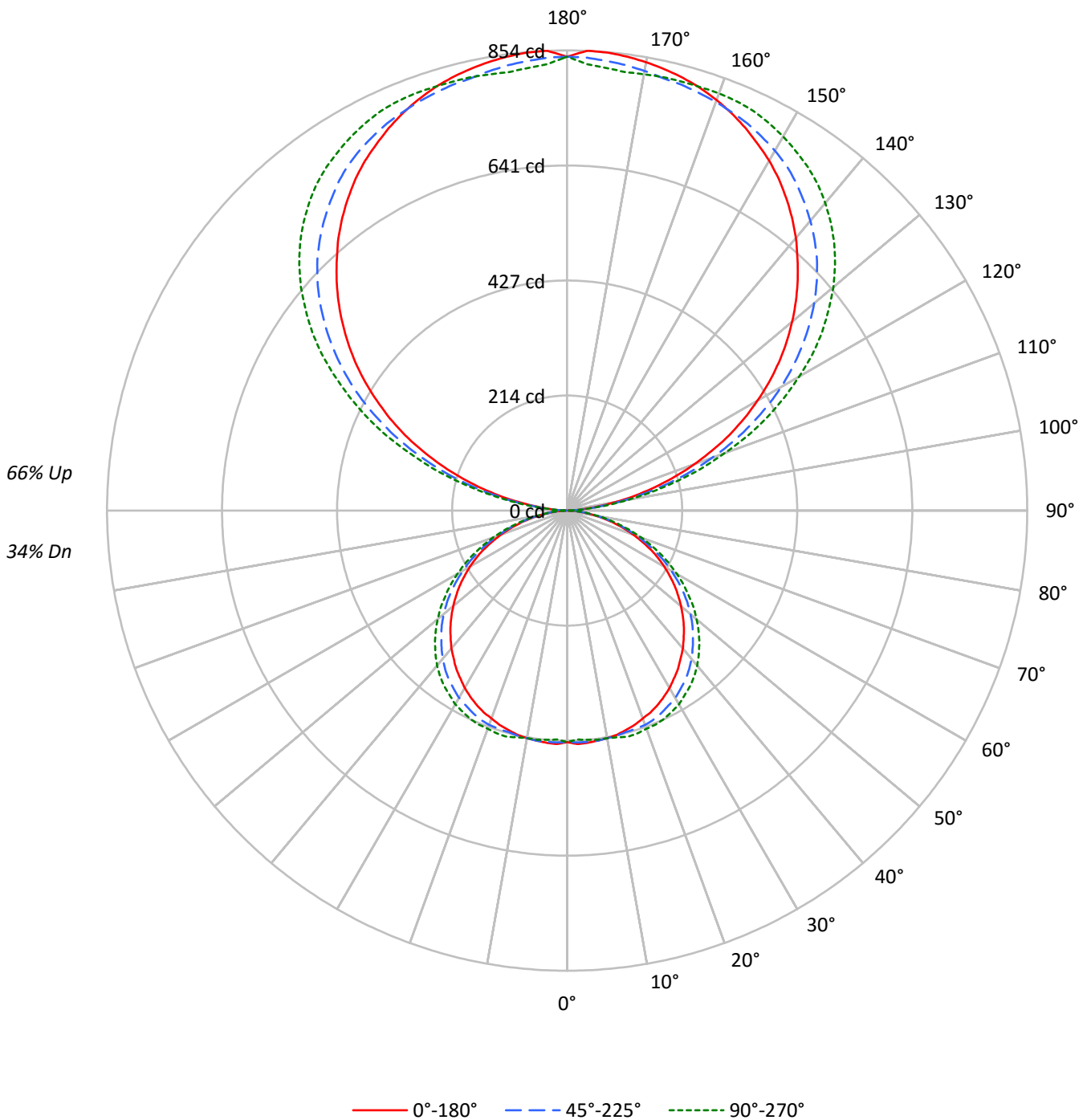
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3470	3470	3470
5°	3506	3491	3460
10°	3515	3515	3515
15°	3523	3554	3632
20°	3527	3637	3701
25°	3543	3689	3796
30°	3543	3741	3870
35°	3536	3772	3919
40°	3520	3781	3956
45°	3497	3770	3959
50°	3464	3754	3940
55°	3427	3702	3882
60°	3365	3605	3799
65°	3259	3469	3666
70°	3071	3269	3439
75°	2820	2994	3138
80°	2450	2617	2706
85°	1964	2038	2140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	1.0
10°-20°	120.6	2.9
20°-30°	189.9	4.6
30°-40°	237.3	5.8
40°-50°	253.0	6.2
50°-60°	233.3	5.7
60°-70°	179.1	4.4
70°-80°	101.5	2.5
80°-90°	26.8	0.7
90°-100°	43.1	1.0
100°-110°	202.8	4.9
110°-120°	367.6	8.9
120°-130°	472.2	11.5
130°-140°	502.3	12.2
140°-150°	462.2	11.2
150°-160°	366.0	8.9
160°-170°	232.4	5.7
170°-180°	79.7	1.9
0°-30°	351.6	8.6
0°-40°	588.9	14.3
0°-60°	1075.1	26.2
0°-90°	1382.6	33.6
90°-120°	613.5	14.9
90°-150°	2050.2	49.9
90°-180°	2728.0	66.4
0°-180°	4110.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	430	430	430	430	430	
5°	433	429	431	430	427	41
15°	422	420	425	433	435	119
25°	398	398	414	423	426	183
35°	359	365	383	392	398	224
45°	306	314	330	340	347	236
55°	244	251	263	271	276	217
65°	171	174	182	188	192	168
75°	90	92	96	100	101	96
85°	21	22	22	23	23	24
90°	1	1	1	0	0	3
95°	28	30	32	34	36	37
105°	170	177	194	206	211	180
115°	332	346	375	398	410	327
125°	480	494	532	562	578	428
135°	605	614	656	684	701	467
145°	709	706	742	765	779	443
155°	783	772	792	809	818	361
165°	831	818	818	821	824	235
175°	853	843	838	831	825	81
180°	842	842	842	842	842	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	429.8	429.8	429.8	429.8	429.8
2.5°	433.6	429.8	430.8	430.8	425.2
5°	432.6	428.8	430.8	429.8	427.0
7.5°	430.8	428.0	430.8	430.8	428.8
10°	428.8	426.2	428.8	429.8	428.8
12.5°	426.2	423.4	428.0	429.8	430.8
15°	421.5	419.7	425.2	432.6	434.6
17.5°	417.0	416.0	424.4	432.6	433.6
20°	410.5	410.5	423.4	429.8	430.8
22.5°	405.1	405.1	419.7	426.2	429.8
25°	397.7	398.5	414.2	422.6	426.2
27.5°	389.3	392.1	407.7	417.0	420.6
30°	380.1	384.7	401.3	410.5	415.2
32.5°	369.1	375.4	392.1	401.3	405.9
35°	358.8	365.4	382.7	392.1	397.7
37.5°	346.0	354.2	371.8	380.9	387.5
40°	334.0	342.4	358.8	369.1	375.4
42.5°	320.1	329.3	345.0	355.2	361.6
45°	306.3	314.5	330.2	340.4	346.8
47.5°	291.5	299.9	315.6	324.8	331.1
50°	275.8	285.0	298.9	308.1	313.7
52.5°	260.0	268.4	281.4	290.7	296.1
55°	243.5	250.8	263.0	271.3	275.8
57.5°	225.9	233.3	243.5	251.8	256.4
60°	208.4	213.9	223.3	231.5	235.3
62.5°	190.0	194.7	202.9	209.5	213.9
65°	170.6	174.4	181.6	188.2	191.9
67.5°	150.4	154.0	160.4	166.0	168.8
70°	130.1	133.7	138.5	142.9	145.7
72.5°	110.6	112.5	117.1	120.9	122.7
75°	90.4	92.2	96.0	99.6	100.6
77.5°	72.0	72.8	75.8	77.6	78.4
80°	52.7	54.5	56.3	57.1	58.2
82.5°	35.9	36.9	37.7	38.7	39.5
85°	21.2	22.0	22.0	23.1	23.1
87.5°	9.2	10.2	10.2	10.2	10.2
90°	1.0	1.0	1.0	0.0	0.0
92.5°	9.2	9.2	10.2	11.0	12.0
95°	28.5	29.5	32.3	34.1	35.9
97.5°	57.1	59.1	64.5	69.2	71.0
100°	92.2	96.0	104.3	110.6	113.5
102.5°	130.1	135.5	147.7	156.8	161.4
105°	169.8	177.2	193.8	205.7	211.3
107.5°	210.3	219.7	240.8	254.6	262.0
110°	250.8	263.0	286.0	304.3	309.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	291.5	304.3	332.1	352.4	362.6
115°	332.1	346.0	375.4	398.5	409.6
117.5°	370.9	385.5	417.9	443.8	453.8
120°	407.7	423.4	458.5	485.3	497.3
122.5°	444.6	459.5	496.3	524.8	539.7
125°	479.7	494.5	532.4	561.7	577.5
127.5°	513.0	526.6	566.5	596.8	611.6
130°	545.2	558.1	598.6	628.3	644.9
132.5°	575.7	587.7	628.3	656.9	674.4
135°	605.2	614.4	655.9	684.4	701.2
137.5°	632.8	639.3	680.0	708.6	724.3
140°	660.5	662.5	702.0	728.7	745.3
142.5°	685.4	684.4	722.3	748.1	763.8
145°	708.6	705.8	741.7	764.7	778.6
147.5°	730.5	724.3	758.3	777.8	790.6
150°	749.9	741.7	771.2	790.6	801.6
152.5°	766.5	757.3	782.2	799.8	810.8
155°	783.2	772.2	792.4	809.0	818.3
157.5°	798.0	784.0	799.8	814.5	822.1
160°	810.8	797.2	807.2	818.3	823.9
162.5°	822.1	808.1	812.7	819.1	823.9
165°	831.3	818.3	818.3	820.9	823.9
167.5°	838.5	827.5	822.1	822.9	823.9
170°	845.1	833.9	828.3	822.9	822.1
172.5°	849.7	838.5	833.9	826.5	820.9
175°	853.3	843.3	837.5	831.3	824.7
177.5°	854.2	845.9	841.3	834.9	829.3
180°	842.3	842.3	842.3	842.3	842.3

(END OF REPORT)