

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: P275145

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275145
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-60L92765-1D-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: 4952.1 lumens
Efficiency: N/A
Efficacy: 112.0 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

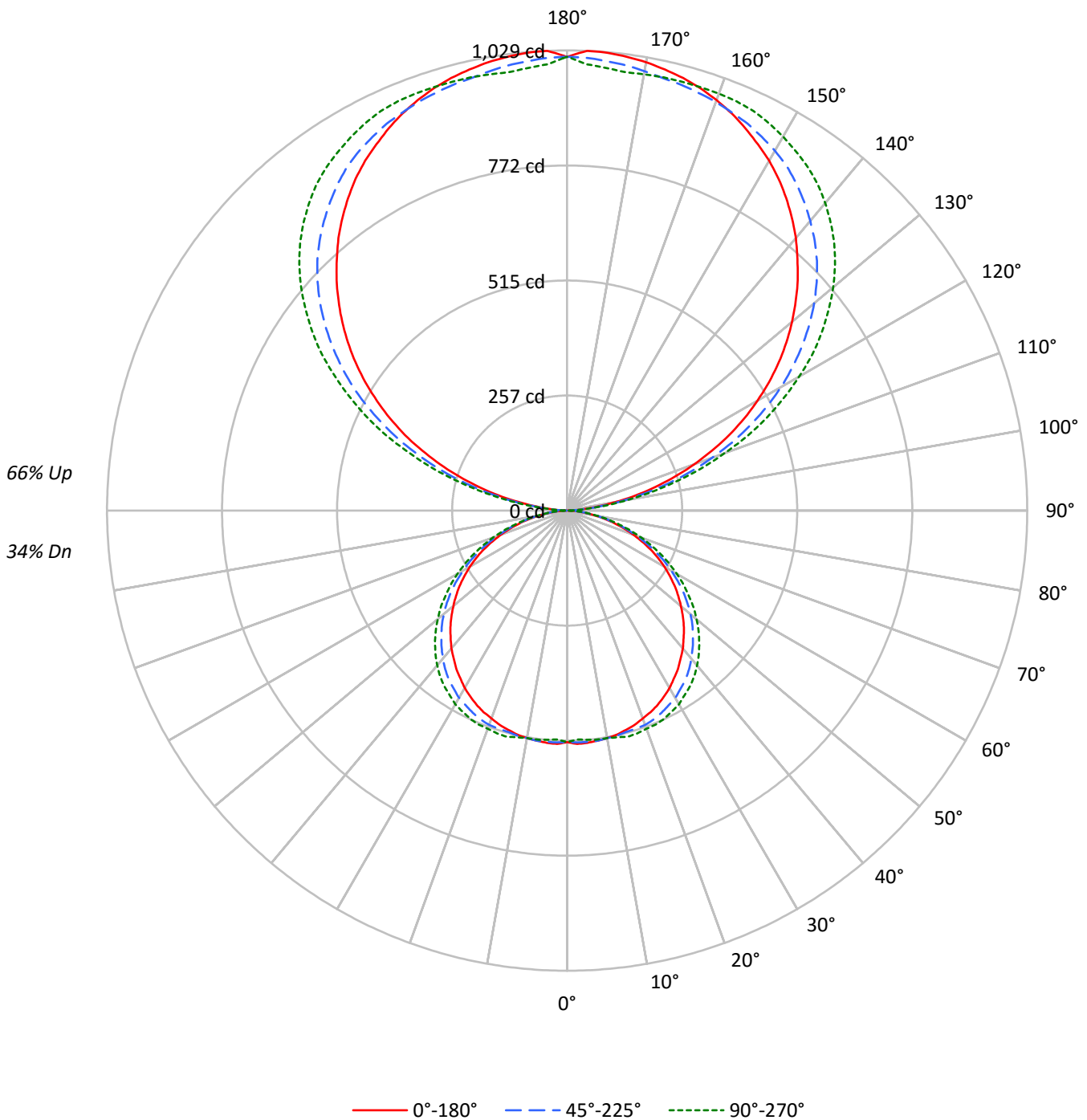
Input Watts (W): 44.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4180	4180	4180
5°	4223	4206	4169
10°	4235	4235	4235
15°	4243	4282	4375
20°	4248	4382	4459
25°	4268	4445	4573
30°	4268	4506	4663
35°	4259	4544	4722
40°	4241	4555	4766
45°	4213	4542	4770
50°	4172	4523	4746
55°	4128	4459	4676
60°	4053	4343	4576
65°	3926	4180	4416
70°	3699	3937	4142
75°	3397	3606	3777
80°	2947	3152	3264
85°	2362	2455	2584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.0
10°-20°	145.3	2.9
20°-30°	228.8	4.6
30°-40°	285.9	5.8
40°-50°	304.8	6.2
50°-60°	281.0	5.7
60°-70°	215.8	4.4
70°-80°	122.3	2.5
80°-90°	32.3	0.7
90°-100°	51.9	1.0
100°-110°	244.3	4.9
110°-120°	442.8	8.9
120°-130°	568.8	11.5
130°-140°	605.1	12.2
140°-150°	556.8	11.2
150°-160°	440.9	8.9
160°-170°	279.9	5.7
170°-180°	96.0	1.9
0°-30°	423.5	8.6
0°-40°	709.4	14.3
0°-60°	1295.2	26.2
0°-90°	1665.5	33.6
90°-120°	739.0	14.9
90°-150°	2469.7	49.9
90°-180°	3287.0	66.4
0°-180°	4952.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	518	518	518	518	518	
5°	521	517	519	518	514	50
15°	508	506	512	521	524	143
25°	479	480	499	509	513	221
35°	432	440	461	472	479	270
45°	369	379	398	410	418	284
55°	293	302	317	327	332	262
65°	206	210	219	227	231	203
75°	109	111	116	120	121	116
85°	26	26	26	28	28	29
90°	1	1	1	0	0	3
95°	34	36	39	41	43	45
105°	204	213	233	248	254	216
115°	400	417	452	480	494	395
125°	578	596	641	677	696	516
135°	729	740	790	824	845	562
145°	854	850	894	921	938	534
155°	944	930	954	974	986	435
165°	1001	986	986	989	992	283
175°	1028	1016	1009	1001	994	98
180°	1015	1015	1015	1015	1015	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	517.8	517.8	517.8	517.8	517.8
2.5°	522.3	517.8	519.0	519.0	512.3
5°	521.1	516.6	519.0	517.8	514.4
7.5°	519.0	515.6	519.0	519.0	516.6
10°	516.6	513.4	516.6	517.8	516.6
12.5°	513.4	510.1	515.6	517.8	519.0
15°	507.7	505.5	512.3	521.1	523.5
17.5°	502.4	501.2	511.3	521.1	522.3
20°	494.5	494.5	510.1	517.8	519.0
22.5°	487.9	487.9	505.5	513.4	517.8
25°	479.1	480.0	499.0	509.1	513.4
27.5°	469.0	472.3	491.1	502.4	506.7
30°	457.9	463.4	483.4	494.5	500.2
32.5°	444.7	452.2	472.3	483.4	488.9
35°	432.2	440.1	461.1	472.3	479.1
37.5°	416.8	426.7	447.8	458.9	466.8
40°	402.4	412.5	432.2	444.7	452.2
42.5°	385.6	396.6	415.6	427.9	435.6
45°	369.0	378.9	397.8	410.1	417.8
47.5°	351.2	361.3	380.2	391.3	398.8
50°	332.2	343.3	360.1	371.1	377.9
52.5°	313.2	323.3	338.9	350.2	356.7
55°	293.3	302.2	316.8	326.9	332.2
57.5°	272.1	281.0	293.3	303.4	308.9
60°	251.0	257.7	269.0	278.9	283.4
62.5°	228.9	234.6	244.5	252.4	257.7
65°	205.5	210.1	218.8	226.7	231.2
67.5°	181.2	185.6	193.3	200.0	203.4
70°	156.7	161.1	166.8	172.1	175.5
72.5°	133.2	135.6	141.1	145.7	147.8
75°	108.9	111.1	115.6	120.0	121.1
77.5°	86.8	87.7	91.3	93.5	94.5
80°	63.4	65.6	67.8	68.8	70.2
82.5°	43.3	44.5	45.5	46.6	47.6
85°	25.5	26.5	26.5	27.9	27.9
87.5°	11.1	12.3	12.3	12.3	12.3
90°	1.2	1.2	1.2	0.0	0.0
92.5°	11.1	11.1	12.3	13.2	14.4
95°	34.4	35.6	38.9	41.1	43.3
97.5°	68.8	71.1	77.7	83.4	85.6
100°	111.1	115.6	125.7	133.2	136.8
102.5°	156.7	163.2	177.9	188.9	194.5
105°	204.5	213.4	233.4	247.8	254.5
107.5°	253.4	264.6	290.1	306.7	315.6
110°	302.2	316.8	344.5	366.6	373.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	351.2	366.6	400.0	424.5	436.8
115°	400.0	416.8	452.2	480.0	493.5
117.5°	446.8	464.4	503.4	534.6	546.6
120°	491.1	510.1	552.4	584.6	599.0
122.5°	535.6	553.6	597.8	632.2	650.2
125°	577.9	595.7	641.3	676.7	695.7
127.5°	618.0	634.4	682.4	719.0	736.8
130°	656.7	672.3	721.1	756.9	776.9
132.5°	693.5	707.9	756.9	791.3	812.5
135°	729.1	740.1	790.1	824.5	844.7
137.5°	762.3	770.2	819.2	853.6	872.5
140°	795.7	798.0	845.7	877.9	897.8
142.5°	825.7	824.5	870.2	901.2	920.2
145°	853.6	850.2	893.5	921.1	937.9
147.5°	880.0	872.5	913.4	937.0	952.4
150°	903.4	893.5	929.1	952.4	965.6
152.5°	923.3	912.3	942.3	963.4	976.7
155°	943.5	930.2	954.5	974.5	985.8
157.5°	961.3	944.5	963.4	981.2	990.3
160°	976.7	960.3	972.3	985.8	992.5
162.5°	990.3	973.5	979.1	986.8	992.5
165°	1001.4	985.8	985.8	988.9	992.5
167.5°	1010.1	996.8	990.3	991.3	992.5
170°	1018.0	1004.5	997.8	991.3	990.3
172.5°	1023.5	1010.1	1004.5	995.7	988.9
175°	1027.9	1015.8	1008.9	1001.4	993.5
177.5°	1029.1	1019.0	1013.4	1005.7	999.0
180°	1014.6	1014.6	1014.6	1014.6	1014.6

(END OF REPORT)