

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: P275149

Luminaire Tested: **J3-FL-60L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-60L92765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5455.4 lumens
Efficiency: N/A
Efficacy: 120.2 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

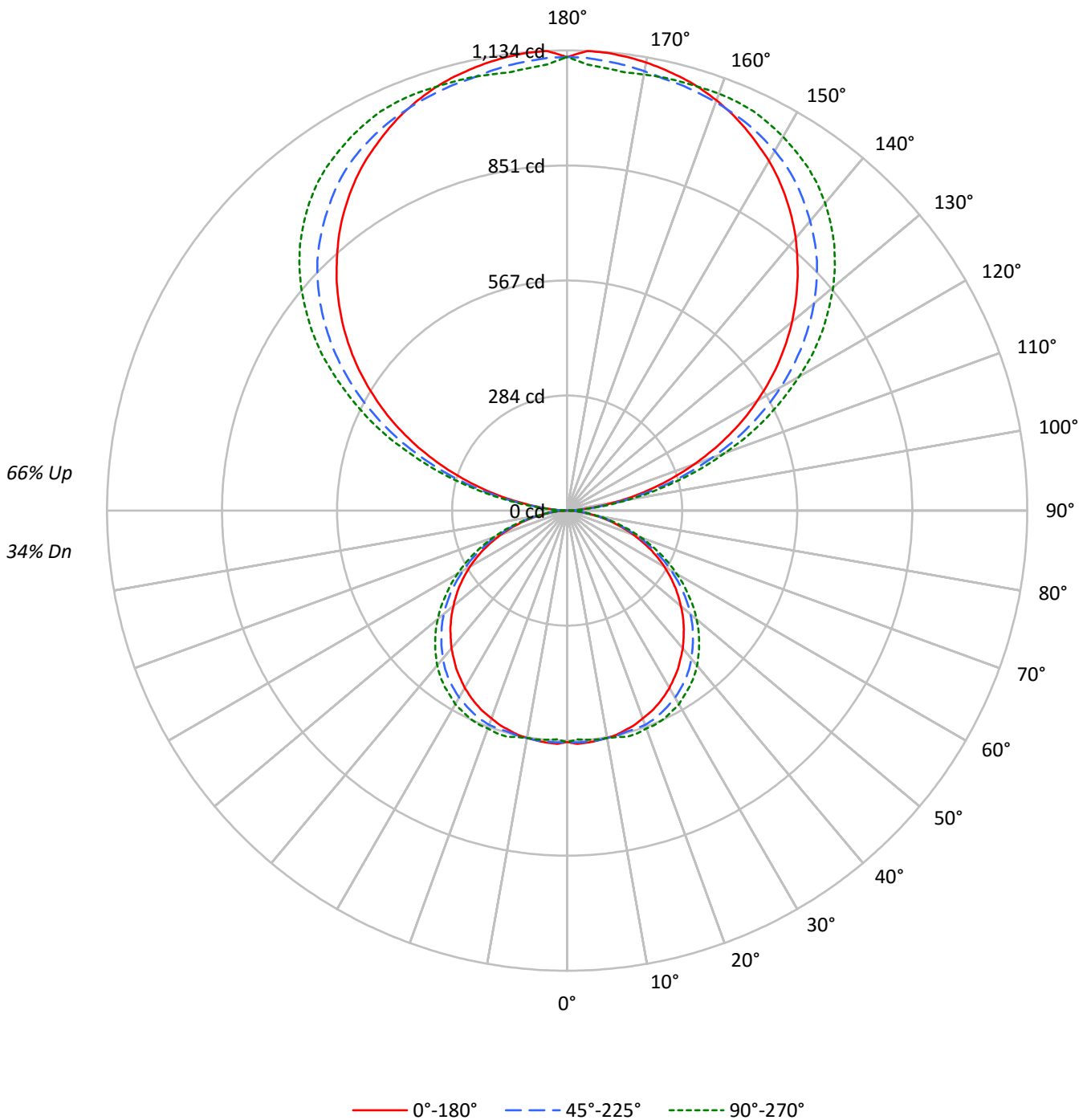
Input Watts (W): 45.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4605	4605	4605
5°	4652	4633	4592
10°	4665	4665	4665
15°	4674	4716	4820
20°	4680	4827	4912
25°	4700	4896	5038
30°	4702	4964	5136
35°	4692	5005	5201
40°	4672	5017	5249
45°	4641	5004	5255
50°	4597	4982	5228
55°	4548	4912	5151
60°	4464	4784	5041
65°	4325	4604	4865
70°	4074	4338	4563
75°	3743	3974	4164
80°	3250	3473	3594
85°	2603	2705	2844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.0
10°-20°	160.0	2.9
20°-30°	252.1	4.6
30°-40°	314.9	5.8
40°-50°	335.7	6.2
50°-60°	309.6	5.7
60°-70°	237.7	4.4
70°-80°	134.7	2.5
80°-90°	35.5	0.7
90°-100°	57.2	1.0
100°-110°	269.1	4.9
110°-120°	487.8	8.9
120°-130°	626.6	11.5
130°-140°	666.6	12.2
140°-150°	613.4	11.2
150°-160°	485.7	8.9
160°-170°	308.4	5.7
170°-180°	105.8	1.9
0°-30°	466.5	8.6
0°-40°	781.5	14.3
0°-60°	1426.8	26.2
0°-90°	1834.8	33.6
90°-120°	814.2	14.9
90°-150°	2720.7	49.9
90°-180°	3621.0	66.4
0°-180°	5455.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	570	570	570	570	570	
5°	574	569	572	570	567	55
15°	559	557	564	574	577	158
25°	528	529	550	561	566	243
35°	476	485	508	520	528	297
45°	406	417	438	452	460	313
55°	323	333	349	360	366	288
65°	226	231	241	250	255	223
75°	120	122	127	132	134	127
85°	28	29	29	31	31	32
90°	1	1	1	0	0	4
95°	38	39	43	45	48	49
105°	225	235	257	273	280	238
115°	441	459	498	529	544	435
125°	637	656	706	746	766	568
135°	803	815	870	908	930	619
145°	940	937	984	1015	1033	588
155°	1039	1025	1052	1074	1086	479
165°	1103	1086	1086	1089	1093	312
175°	1132	1119	1111	1103	1094	108
180°	1118	1118	1118	1118	1118	



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CATALOG NUMBER: J3-FL-60L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	570.4	570.4	570.4	570.4	570.4
2.5°	575.4	570.4	571.7	571.7	564.3
5°	574.1	569.1	571.7	570.4	566.7
7.5°	571.7	568.0	571.7	571.7	569.1
10°	569.1	565.6	569.1	570.4	569.1
12.5°	565.6	561.9	568.0	570.4	571.7
15°	559.3	556.9	564.3	574.1	576.7
17.5°	553.4	552.1	563.2	574.1	575.4
20°	544.7	544.7	561.9	570.4	571.7
22.5°	537.5	537.5	556.9	565.6	570.4
25°	527.7	528.8	549.7	560.8	565.6
27.5°	516.6	520.3	541.0	553.4	558.2
30°	504.4	510.5	532.5	544.7	551.0
32.5°	489.9	498.1	520.3	532.5	538.6
35°	476.1	484.9	507.9	520.3	527.7
37.5°	459.2	470.0	493.3	505.5	514.2
40°	443.3	454.4	476.1	489.9	498.1
42.5°	424.8	437.0	457.9	471.4	479.8
45°	406.5	417.4	438.3	451.8	460.3
47.5°	386.9	398.0	418.9	431.1	439.3
50°	366.0	378.2	396.7	408.9	416.3
52.5°	345.1	356.2	373.4	385.8	393.0
55°	323.1	332.9	349.0	360.1	366.0
57.5°	299.8	309.6	323.1	334.2	340.3
60°	276.5	283.9	296.3	307.2	312.2
62.5°	252.1	258.4	269.3	278.0	283.9
65°	226.4	231.4	241.0	249.7	254.7
67.5°	199.6	204.4	212.9	220.3	224.0
70°	172.6	177.4	183.8	189.6	193.3
72.5°	146.7	149.4	155.4	160.5	162.9
75°	120.0	122.4	127.4	132.2	133.5
77.5°	95.6	96.7	100.6	103.0	104.1
80°	69.9	72.3	74.7	75.8	77.3
82.5°	47.7	49.0	50.1	51.4	52.5
85°	28.1	29.2	29.2	30.7	30.7
87.5°	12.2	13.5	13.5	13.5	13.5
90°	1.3	1.3	1.3	0.0	0.0
92.5°	12.2	12.2	13.5	14.6	15.9
95°	37.9	39.2	42.9	45.3	47.7
97.5°	75.8	78.4	85.6	91.9	94.3
100°	122.4	127.4	138.5	146.7	150.7
102.5°	172.6	179.8	195.9	208.1	214.2
105°	225.3	235.1	257.1	273.0	280.4
107.5°	279.1	291.5	319.6	337.9	347.7
110°	332.9	349.0	379.5	403.9	411.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	386.9	403.9	440.7	467.7	481.2
115°	440.7	459.2	498.1	528.8	543.6
117.5°	492.3	511.6	554.5	588.9	602.2
120°	541.0	561.9	608.5	644.0	659.9
122.5°	590.0	609.8	658.6	696.5	716.3
125°	636.6	656.2	706.5	745.5	766.4
127.5°	680.8	698.9	751.8	792.0	811.6
130°	723.5	740.7	794.4	833.8	855.8
132.5°	764.0	779.9	833.8	871.7	895.0
135°	803.2	815.3	870.4	908.3	930.5
137.5°	839.7	848.4	902.4	940.3	961.2
140°	876.5	879.1	931.6	967.1	989.1
142.5°	909.6	908.3	958.6	992.8	1013.7
145°	940.3	936.6	984.3	1014.8	1033.3
147.5°	969.5	961.2	1006.3	1032.2	1049.2
150°	995.2	984.3	1023.5	1049.2	1063.8
152.5°	1017.2	1005.0	1038.1	1061.4	1075.9
155°	1039.4	1024.8	1051.6	1073.6	1086.0
157.5°	1059.0	1040.5	1061.4	1081.0	1091.0
160°	1075.9	1057.9	1071.2	1086.0	1093.4
162.5°	1091.0	1072.5	1078.6	1087.1	1093.4
165°	1103.2	1086.0	1086.0	1089.4	1093.4
167.5°	1112.7	1098.2	1091.0	1092.1	1093.4
170°	1121.5	1106.6	1099.2	1092.1	1091.0
172.5°	1127.5	1112.7	1106.6	1096.8	1089.4
175°	1132.3	1119.1	1111.4	1103.2	1094.5
177.5°	1133.6	1122.5	1116.4	1108.0	1100.6
180°	1117.8	1117.8	1117.8	1117.8	1117.8

(END OF REPORT)