

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: P275137

Luminaire Tested: **J3-FL-60L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275137
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-60L82765-1D-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, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5652.0 lumens
Efficiency: N/A
Efficacy: 127.6 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

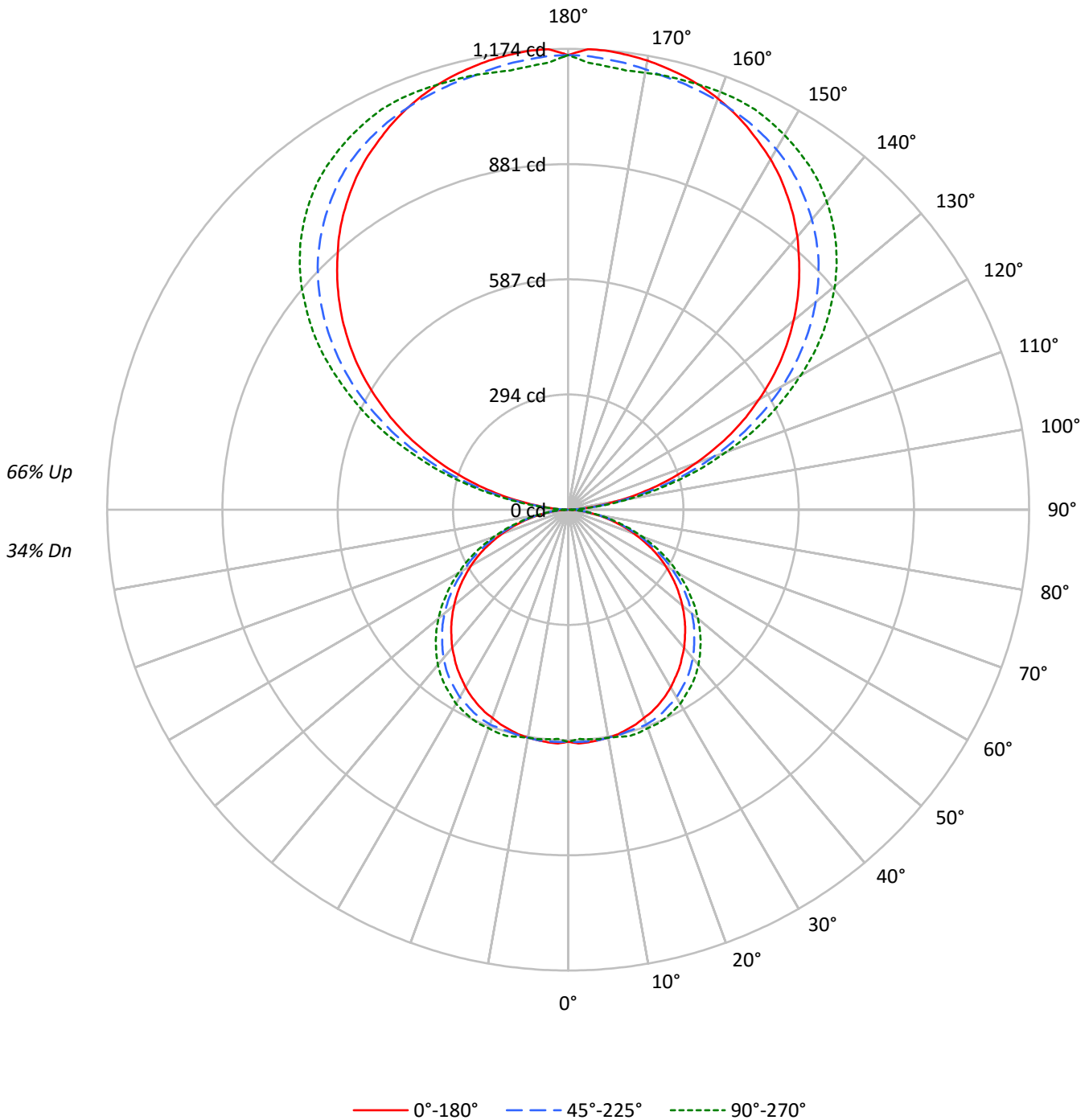
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4771	4771	4771
5°	4820	4800	4758
10°	4833	4833	4833
15°	4843	4887	4994
20°	4849	5002	5088
25°	4871	5074	5220
30°	4872	5143	5322
35°	4862	5186	5389
40°	4840	5199	5439
45°	4808	5184	5444
50°	4762	5162	5417
55°	4711	5089	5337
60°	4626	4957	5223
65°	4481	4770	5041
70°	4223	4494	4728
75°	3877	4117	4314
80°	3366	3598	3724
85°	2695	2797	2946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	1.0
10°-20°	165.8	2.9
20°-30°	261.2	4.6
30°-40°	326.3	5.8
40°-50°	347.8	6.2
50°-60°	320.7	5.7
60°-70°	246.3	4.4
70°-80°	139.6	2.5
80°-90°	36.8	0.7
90°-100°	59.3	1.0
100°-110°	278.9	4.9
110°-120°	505.4	8.9
120°-130°	649.2	11.5
130°-140°	690.6	12.2
140°-150°	635.5	11.2
150°-160°	503.2	8.9
160°-170°	319.5	5.7
170°-180°	109.6	1.9
0°-30°	483.4	8.6
0°-40°	809.7	14.3
0°-60°	1478.2	26.2
0°-90°	1900.9	33.6
90°-120°	843.5	14.9
90°-150°	2818.8	49.9
90°-180°	3751.0	66.4
0°-180°	5652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	591	591	591	591	591	
5°	595	590	592	591	587	57
15°	580	577	585	595	598	164
25°	547	548	570	581	586	252
35°	493	502	526	539	547	308
45°	421	432	454	468	477	325
55°	335	345	362	373	379	299
65°	235	240	250	259	264	231
75°	124	127	132	137	138	132
85°	29	30	30	32	32	33
90°	1	1	1	0	0	4
95°	39	41	44	47	49	51
105°	234	244	266	283	290	247
115°	456	476	516	548	563	450
125°	660	680	732	772	794	589
135°	832	845	902	941	964	642
145°	974	970	1020	1051	1070	610
155°	1077	1062	1090	1112	1125	497
165°	1143	1125	1125	1129	1133	323
175°	1173	1159	1152	1143	1134	112
180°	1158	1158	1158	1158	1158	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	591.0	591.0	591.0	591.0	591.0
2.5°	596.2	591.0	592.3	592.3	584.7
5°	594.8	589.6	592.3	591.0	587.1
7.5°	592.3	588.5	592.3	592.3	589.6
10°	589.6	586.0	589.6	591.0	589.6
12.5°	586.0	582.2	588.5	591.0	592.3
15°	579.5	577.0	584.7	594.8	597.5
17.5°	573.4	572.0	583.5	594.8	596.2
20°	564.4	564.4	582.2	591.0	592.3
22.5°	556.9	556.9	577.0	586.0	591.0
25°	546.8	547.9	569.6	581.1	586.0
27.5°	535.3	539.1	560.5	573.4	578.3
30°	522.6	528.9	551.7	564.4	570.9
32.5°	507.5	516.1	539.1	551.7	558.0
35°	493.3	502.3	526.2	539.1	546.8
37.5°	475.7	487.0	511.1	523.8	532.8
40°	459.3	470.8	493.3	507.5	516.1
42.5°	440.1	452.7	474.4	488.3	497.1
45°	421.1	432.4	454.1	468.0	476.8
47.5°	400.8	412.3	434.0	446.6	455.2
50°	379.2	391.8	411.0	423.6	431.3
52.5°	357.5	369.0	386.8	399.7	407.1
55°	334.7	344.9	361.6	373.1	379.2
57.5°	310.6	320.8	334.7	346.2	352.6
60°	286.5	294.1	307.0	318.3	323.5
62.5°	261.2	267.7	279.0	288.0	294.1
65°	234.6	239.8	249.7	258.7	263.9
67.5°	206.8	211.8	220.6	228.3	232.1
70°	178.9	183.8	190.4	196.5	200.3
72.5°	152.0	154.7	161.1	166.2	168.7
75°	124.3	126.8	132.0	136.9	138.3
77.5°	99.0	100.2	104.2	106.7	107.8
80°	72.4	74.9	77.4	78.5	80.1
82.5°	49.4	50.8	51.9	53.2	54.4
85°	29.1	30.2	30.2	31.8	31.8
87.5°	12.6	14.0	14.0	14.0	14.0
90°	1.4	1.4	1.4	0.0	0.0
92.5°	12.6	12.6	14.0	15.1	16.5
95°	39.2	40.6	44.4	46.9	49.4
97.5°	78.5	81.2	88.6	95.2	97.7
100°	126.8	132.0	143.5	152.0	156.1
102.5°	178.9	186.3	203.0	215.6	222.0
105°	233.5	243.6	266.4	282.9	290.5
107.5°	289.2	302.0	331.1	350.1	360.2
110°	344.9	361.6	393.2	418.4	426.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	400.8	418.4	456.5	484.5	498.5
115°	456.5	475.7	516.1	547.9	563.2
117.5°	510.0	530.1	574.5	610.2	623.9
120°	560.5	582.2	630.5	667.2	683.7
122.5°	611.3	631.8	682.3	721.6	742.1
125°	659.6	679.9	732.0	772.3	794.0
127.5°	705.3	724.1	778.9	820.6	840.9
130°	749.6	767.4	823.1	863.9	886.7
132.5°	791.5	808.0	863.9	903.2	927.3
135°	832.1	844.7	901.8	941.1	964.1
137.5°	870.0	879.0	935.0	974.2	995.9
140°	908.1	910.8	965.2	1002.0	1024.7
142.5°	942.4	941.1	993.2	1028.6	1050.2
145°	974.2	970.4	1019.8	1051.4	1070.5
147.5°	1004.4	995.9	1042.6	1069.4	1087.0
150°	1031.1	1019.8	1060.4	1087.0	1102.1
152.5°	1053.8	1041.2	1075.5	1099.6	1114.7
155°	1076.8	1061.7	1089.5	1112.3	1125.1
157.5°	1097.1	1078.0	1099.6	1119.9	1130.3
160°	1114.7	1096.0	1109.8	1125.1	1132.8
162.5°	1130.3	1111.1	1117.4	1126.2	1132.8
165°	1142.9	1125.1	1125.1	1128.7	1132.8
167.5°	1152.9	1137.7	1130.3	1131.4	1132.8
170°	1161.9	1146.5	1138.9	1131.4	1130.3
172.5°	1168.2	1152.9	1146.5	1136.4	1128.7
175°	1173.2	1159.4	1151.5	1142.9	1133.9
177.5°	1174.5	1163.0	1156.7	1147.9	1140.2
180°	1158.1	1158.1	1158.1	1158.1	1158.1

(END OF REPORT)