

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: P275142

Luminaire Tested: **J3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275142
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6045.3 lumens
Efficiency: N/A
Efficacy: 131.4 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

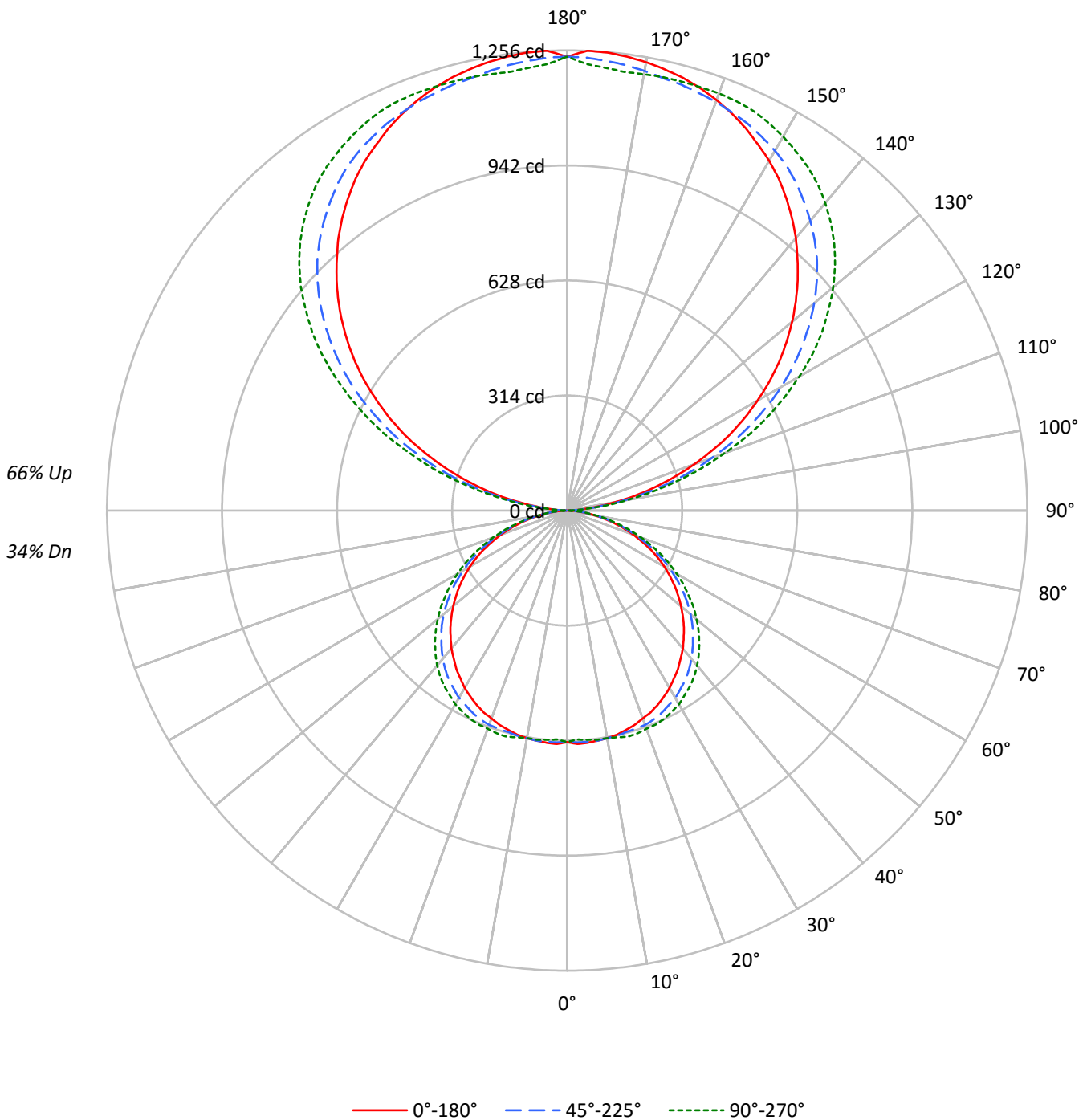
Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5103	5103	5103
5°	5156	5135	5089
10°	5170	5170	5170
15°	5180	5227	5341
20°	5186	5350	5443
25°	5209	5426	5583
30°	5211	5501	5692
35°	5200	5548	5763
40°	5177	5560	5817
45°	5142	5545	5823
50°	5094	5521	5794
55°	5039	5443	5709
60°	4947	5302	5586
65°	4793	5102	5393
70°	4515	4806	5056
75°	4145	4401	4613
80°	3598	3849	3980
85°	2881	2992	3149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	1.0
10°-20°	177.4	2.9
20°-30°	279.3	4.6
30°-40°	349.0	5.8
40°-50°	372.0	6.2
50°-60°	343.1	5.7
60°-70°	263.5	4.4
70°-80°	149.3	2.5
80°-90°	39.3	0.7
90°-100°	63.4	1.0
100°-110°	298.2	4.9
110°-120°	540.6	8.9
120°-130°	694.4	11.5
130°-140°	738.7	12.2
140°-150°	679.7	11.2
150°-160°	538.2	8.9
160°-170°	341.7	5.7
170°-180°	117.2	1.9
0°-30°	517.0	8.6
0°-40°	866.0	14.3
0°-60°	1581.1	26.2
0°-90°	2033.2	33.6
90°-120°	902.2	14.9
90°-150°	3015.0	49.9
90°-180°	4012.0	66.4
0°-180°	6045.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	636	631	634	632	628	61
15°	620	617	625	636	639	175
25°	585	586	609	622	627	270
35°	528	537	563	577	585	330
45°	450	462	486	501	510	347
55°	358	369	387	399	406	320
65°	251	256	267	277	282	248
75°	133	136	141	146	148	141
85°	31	32	32	34	34	35
90°	1	1	1	0	0	4
95°	42	43	48	50	53	55
105°	250	261	285	302	311	264
115°	488	509	552	586	602	482
125°	706	727	783	826	849	629
135°	890	904	965	1007	1031	686
145°	1042	1038	1091	1124	1145	652
155°	1152	1136	1165	1190	1203	531
165°	1222	1203	1203	1207	1212	345
175°	1255	1240	1232	1222	1213	119
180°	1239	1239	1239	1239	1239	



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CATALOG NUMBER: J3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.1	632.1	632.1	632.1	632.1
2.5°	637.7	632.1	633.6	633.6	625.4
5°	636.2	630.7	633.6	632.1	628.0
7.5°	633.6	629.5	633.6	633.6	630.7
10°	630.7	626.8	630.7	632.1	630.7
12.5°	626.8	622.7	629.5	632.1	633.6
15°	619.8	617.2	625.4	636.2	639.1
17.5°	613.3	611.8	624.2	636.2	637.7
20°	603.6	603.6	622.7	632.1	633.6
22.5°	595.7	595.7	617.2	626.8	632.1
25°	584.8	586.0	609.2	621.5	626.8
27.5°	572.5	576.6	599.5	613.3	618.6
30°	559.0	565.8	590.1	603.6	610.6
32.5°	542.8	552.0	576.6	590.1	596.9
35°	527.6	537.3	562.9	576.6	584.8
37.5°	508.8	520.9	546.7	560.2	569.9
40°	491.2	503.5	527.6	542.8	552.0
42.5°	470.7	484.2	507.4	522.3	531.7
45°	450.4	462.5	485.7	500.6	510.0
47.5°	428.7	441.0	464.2	477.7	486.9
50°	405.6	419.1	439.6	453.1	461.3
52.5°	382.4	394.7	413.8	427.5	435.5
55°	358.0	368.9	386.7	399.1	405.6
57.5°	332.2	343.1	358.0	370.3	377.1
60°	306.4	314.6	328.4	340.4	346.0
62.5°	279.4	286.4	298.4	308.1	314.6
65°	250.9	256.5	267.1	276.7	282.3
67.5°	221.2	226.5	236.0	244.2	248.3
70°	191.3	196.6	203.6	210.1	214.2
72.5°	162.6	165.5	172.3	177.8	180.5
75°	132.9	135.6	141.1	146.4	147.9
77.5°	105.9	107.1	111.5	114.1	115.3
80°	77.4	80.1	82.8	84.0	85.6
82.5°	52.8	54.3	55.5	56.9	58.1
85°	31.1	32.3	32.3	34.0	34.0
87.5°	13.5	15.0	15.0	15.0	15.0
90°	1.4	1.4	1.4	0.0	0.0
92.5°	13.5	13.5	15.0	16.2	17.6
95°	42.0	43.4	47.5	50.2	52.8
97.5°	84.0	86.9	94.8	101.8	104.5
100°	135.6	141.1	153.4	162.6	167.0
102.5°	191.3	199.3	217.1	230.6	237.4
105°	249.7	260.6	284.9	302.5	310.7
107.5°	309.3	323.1	354.2	374.4	385.3
110°	368.9	386.7	420.5	447.5	455.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	428.7	447.5	488.3	518.2	533.2
115°	488.3	508.8	552.0	586.0	602.4
117.5°	545.5	567.0	614.5	652.6	667.3
120°	599.5	622.7	674.3	713.7	731.3
122.5°	653.8	675.8	729.8	771.8	793.8
125°	705.5	727.2	782.9	826.1	849.3
127.5°	754.4	774.5	833.1	877.7	899.4
130°	801.7	820.8	880.4	924.0	948.4
132.5°	846.6	864.2	924.0	966.0	991.8
135°	890.0	903.5	964.6	1006.6	1031.2
137.5°	930.6	940.2	1000.0	1042.0	1065.2
140°	971.3	974.2	1032.4	1071.7	1096.1
142.5°	1008.0	1006.6	1062.3	1100.2	1123.3
145°	1042.0	1037.9	1090.8	1124.5	1145.0
147.5°	1074.4	1065.2	1115.1	1143.8	1162.7
150°	1102.8	1090.8	1134.2	1162.7	1178.8
152.5°	1127.2	1113.7	1150.3	1176.2	1192.3
155°	1151.8	1135.6	1165.3	1189.7	1203.4
157.5°	1173.5	1153.0	1176.2	1197.9	1209.0
160°	1192.3	1172.3	1187.0	1203.4	1211.6
162.5°	1209.0	1188.5	1195.2	1204.6	1211.6
165°	1222.5	1203.4	1203.4	1207.3	1211.6
167.5°	1233.1	1216.9	1209.0	1210.2	1211.6
170°	1242.8	1226.3	1218.1	1210.2	1209.0
172.5°	1249.5	1233.1	1226.3	1215.5	1207.3
175°	1254.8	1240.1	1231.7	1222.5	1212.8
177.5°	1256.3	1244.0	1237.2	1227.8	1219.6
180°	1238.7	1238.7	1238.7	1238.7	1238.7

(END OF REPORT)