

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: P275097

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275097
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-30L92765-1D-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: 2471.5 lumens
Efficiency: N/A
Efficacy: 119.4 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

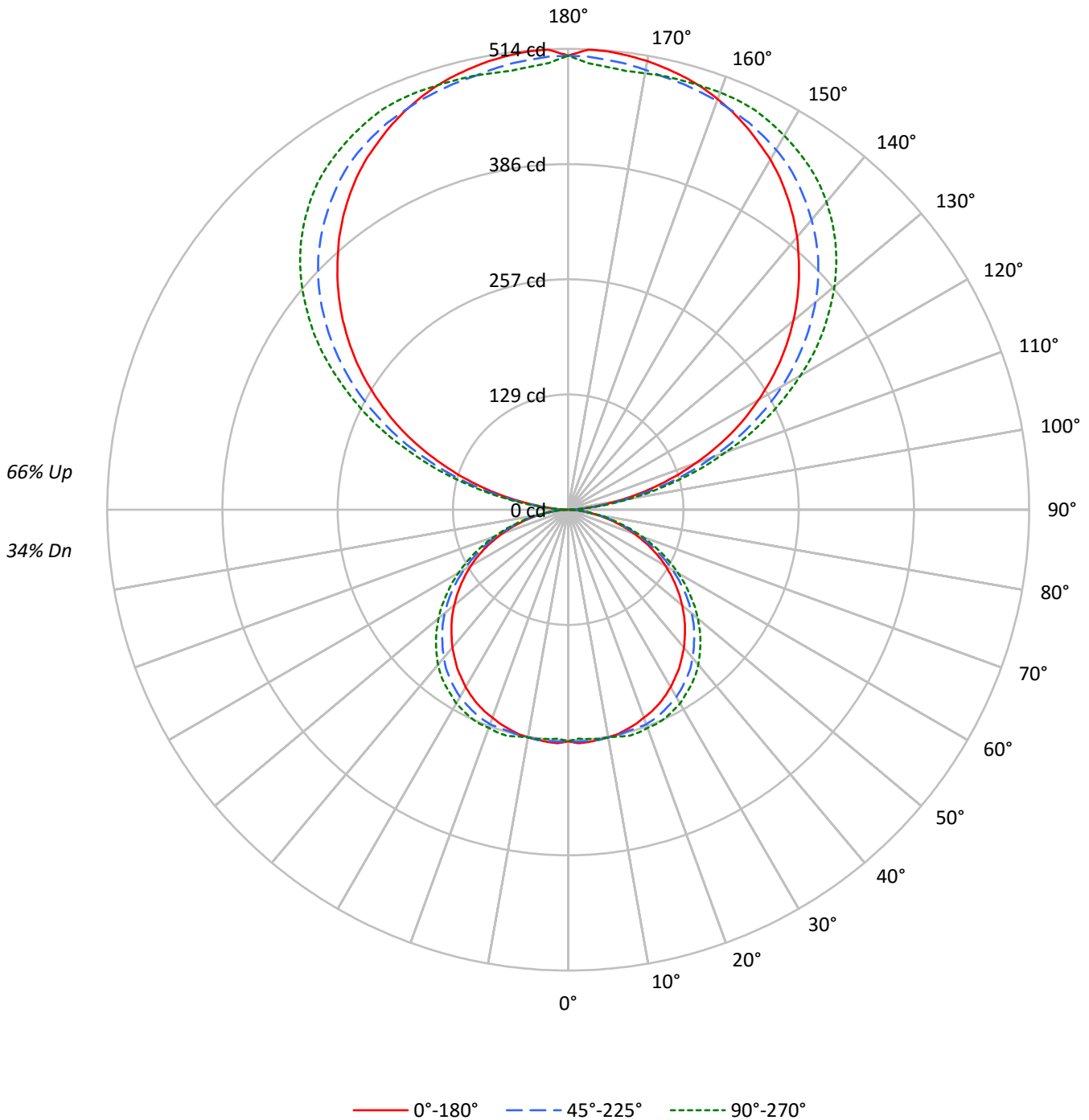
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2086	2086	2086
5°	2108	2099	2080
10°	2113	2113	2113
15°	2118	2137	2184
20°	2120	2187	2225
25°	2130	2218	2283
30°	2130	2249	2327
35°	2126	2268	2356
40°	2116	2273	2379
45°	2102	2266	2380
50°	2082	2257	2369
55°	2061	2225	2334
60°	2023	2167	2283
65°	1960	2086	2204
70°	1846	1964	2068
75°	1694	1800	1887
80°	1474	1571	1627
85°	1176	1223	1288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	1.0
10°-20°	72.5	2.9
20°-30°	114.2	4.6
30°-40°	142.7	5.8
40°-50°	152.1	6.2
50°-60°	140.3	5.7
60°-70°	107.7	4.4
70°-80°	61.0	2.5
80°-90°	16.1	0.7
90°-100°	25.9	1.0
100°-110°	121.9	4.9
110°-120°	221.0	8.9
120°-130°	283.9	11.5
130°-140°	302.0	12.2
140°-150°	277.9	11.2
150°-160°	220.0	8.9
160°-170°	139.7	5.7
170°-180°	47.9	1.9
0°-30°	211.4	8.6
0°-40°	354.0	14.3
0°-60°	646.4	26.2
0°-90°	831.2	33.6
90°-120°	368.9	14.9
90°-150°	1232.6	49.9
90°-180°	1640.0	66.4
0°-180°	2471.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	258	258	258	258	258	
5°	260	258	259	258	257	25
15°	253	252	256	260	261	72
25°	239	240	249	254	256	110
35°	216	220	230	236	239	135
45°	184	189	198	205	208	142
55°	146	151	158	163	166	131
65°	103	105	109	113	115	101
75°	54	55	58	60	60	58
85°	13	13	13	14	14	14
90°	1	1	1	0	0	2
95°	17	18	19	20	22	22
105°	102	106	116	124	127	108
115°	200	208	226	240	246	197
125°	288	297	320	338	347	257
135°	364	369	394	412	422	281
145°	426	424	446	460	468	267
155°	471	464	476	486	492	217
165°	500	492	492	494	495	141
175°	513	507	504	500	496	49
180°	506	506	506	506	506	



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CATALOG NUMBER: J3-FL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	258.4	258.4	258.4	258.4	258.4
2.5°	260.7	258.4	259.0	259.0	255.7
5°	260.1	257.8	259.0	258.4	256.7
7.5°	259.0	257.3	259.0	259.0	257.8
10°	257.8	256.3	257.8	258.4	257.8
12.5°	256.3	254.6	257.3	258.4	259.0
15°	253.4	252.3	255.7	260.1	261.3
17.5°	250.7	250.1	255.2	260.1	260.7
20°	246.8	246.8	254.6	258.4	259.0
22.5°	243.5	243.5	252.3	256.3	258.4
25°	239.1	239.6	249.0	254.1	256.3
27.5°	234.1	235.7	245.1	250.7	252.9
30°	228.5	231.3	241.3	246.8	249.6
32.5°	221.9	225.7	235.7	241.3	244.0
35°	215.7	219.7	230.1	235.7	239.1
37.5°	208.0	212.9	223.5	229.0	233.0
40°	200.8	205.8	215.7	221.9	225.7
42.5°	192.4	198.0	207.4	213.5	217.4
45°	184.1	189.1	198.5	204.7	208.5
47.5°	175.3	180.3	189.8	195.3	199.0
50°	165.8	171.3	179.7	185.2	188.6
52.5°	156.3	161.4	169.2	174.8	178.0
55°	146.4	150.8	158.1	163.1	165.8
57.5°	135.8	140.3	146.4	151.4	154.2
60°	125.3	128.6	134.2	139.2	141.4
62.5°	114.2	117.1	122.0	126.0	128.6
65°	102.6	104.8	109.2	113.1	115.4
67.5°	90.4	92.6	96.5	99.8	101.5
70°	78.2	80.4	83.2	85.9	87.6
72.5°	66.5	67.7	70.4	72.7	73.8
75°	54.3	55.4	57.7	59.9	60.5
77.5°	43.3	43.8	45.6	46.7	47.1
80°	31.7	32.7	33.8	34.3	35.0
82.5°	21.6	22.2	22.7	23.3	23.8
85°	12.7	13.2	13.2	13.9	13.9
87.5°	5.5	6.1	6.1	6.1	6.1
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.5	5.5	6.1	6.6	7.2
95°	17.2	17.8	19.4	20.5	21.6
97.5°	34.3	35.5	38.8	41.6	42.7
100°	55.4	57.7	62.7	66.5	68.3
102.5°	78.2	81.5	88.8	94.3	97.1
105°	102.1	106.5	116.5	123.7	127.0
107.5°	126.4	132.1	144.8	153.1	157.5
110°	150.8	158.1	171.9	183.0	186.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	175.3	183.0	199.6	211.9	218.0
115°	199.6	208.0	225.7	239.6	246.3
117.5°	223.0	231.8	251.2	266.8	272.8
120°	245.1	254.6	275.7	291.8	299.0
122.5°	267.3	276.3	298.4	315.5	324.5
125°	288.4	297.3	320.1	337.7	347.2
127.5°	308.4	316.6	340.6	358.8	367.7
130°	327.8	335.6	359.9	377.8	387.7
132.5°	346.1	353.3	377.8	394.9	405.5
135°	363.9	369.4	394.3	411.5	421.6
137.5°	380.4	384.4	408.8	426.0	435.5
140°	397.1	398.3	422.1	438.1	448.1
142.5°	412.1	411.5	434.3	449.8	459.2
145°	426.0	424.3	445.9	459.7	468.1
147.5°	439.2	435.5	455.9	467.6	475.3
150°	450.9	445.9	463.7	475.3	481.9
152.5°	460.8	455.3	470.3	480.8	487.4
155°	470.9	464.3	476.4	486.4	492.0
157.5°	479.8	471.4	480.8	489.7	494.3
160°	487.4	479.3	485.3	492.0	495.3
162.5°	494.3	485.9	488.6	492.5	495.3
165°	499.8	492.0	492.0	493.6	495.3
167.5°	504.1	497.5	494.3	494.7	495.3
170°	508.1	501.4	498.0	494.7	494.3
172.5°	510.8	504.1	501.4	496.9	493.6
175°	513.0	507.0	503.5	499.8	495.8
177.5°	513.6	508.6	505.8	501.9	498.6
180°	506.4	506.4	506.4	506.4	506.4

(END OF REPORT)