

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: P275096

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275096
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2353.1 lumens
Efficiency: N/A
Efficacy: 114.8 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

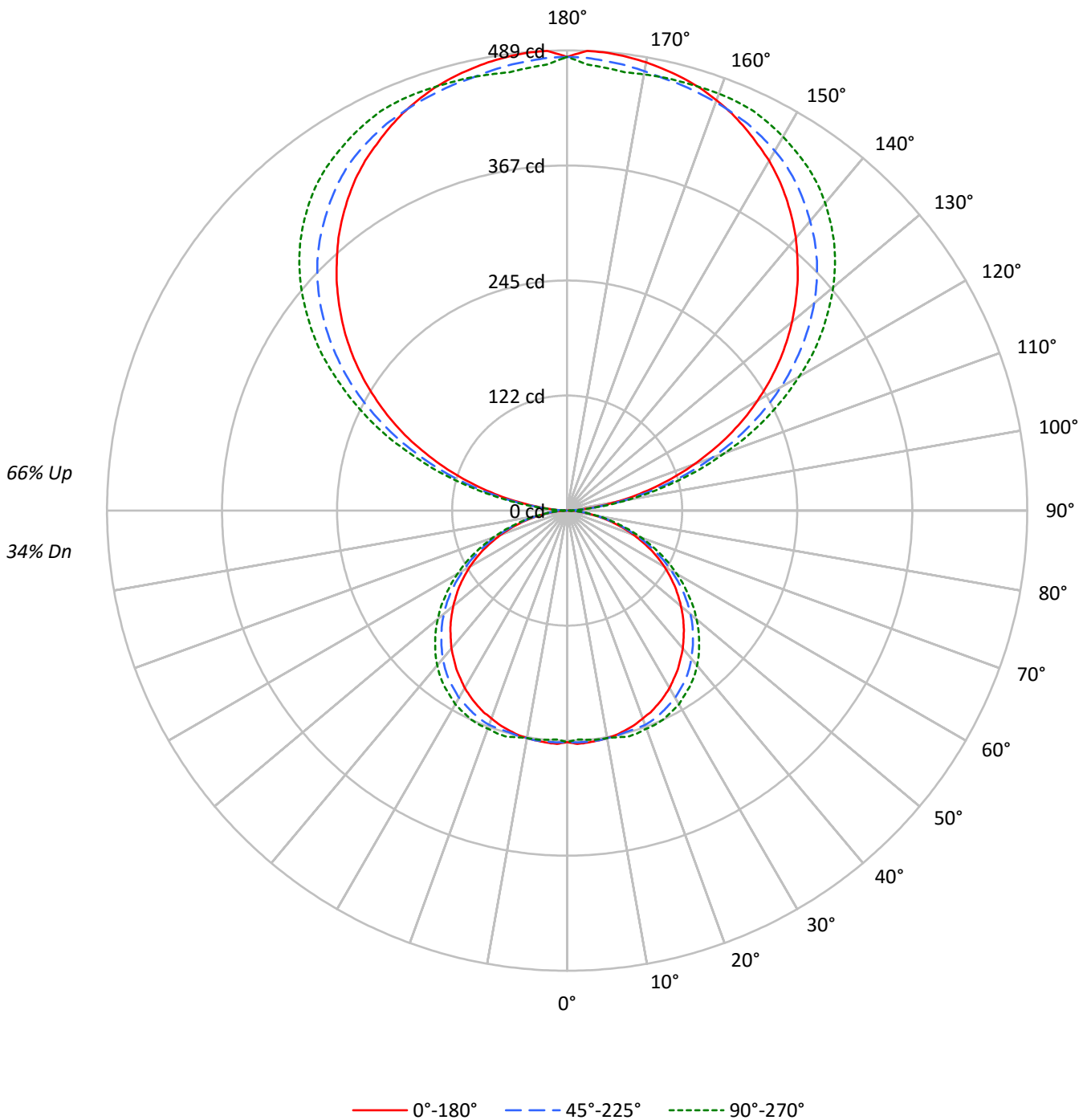
Input Watts (W): 20.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1986	1986	1986
5°	2006	1998	1981
10°	2012	2012	2012
15°	2017	2034	2079
20°	2019	2082	2119
25°	2027	2112	2173
30°	2028	2141	2216
35°	2024	2159	2243
40°	2015	2165	2265
45°	2001	2158	2266
50°	1983	2149	2256
55°	1962	2118	2222
60°	1926	2063	2175
65°	1866	1987	2099
70°	1758	1872	1969
75°	1613	1712	1797
80°	1399	1497	1548
85°	1121	1167	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	1.0
10°-20°	69.0	2.9
20°-30°	108.7	4.6
30°-40°	135.9	5.8
40°-50°	144.8	6.2
50°-60°	133.5	5.7
60°-70°	102.6	4.4
70°-80°	58.1	2.5
80°-90°	15.3	0.7
90°-100°	24.7	1.0
100°-110°	116.1	4.9
110°-120°	210.4	8.9
120°-130°	270.3	11.5
130°-140°	287.5	12.2
140°-150°	264.6	11.2
150°-160°	209.5	8.9
160°-170°	133.0	5.7
170°-180°	45.6	1.9
0°-30°	201.2	8.6
0°-40°	337.1	14.3
0°-60°	615.4	26.2
0°-90°	791.4	33.6
90°-120°	351.2	14.9
90°-150°	1173.6	49.9
90°-180°	1562.0	66.4
0°-180°	2353.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	246	246	246	246	246	
5°	248	246	247	246	244	24
15°	241	240	243	248	249	68
25°	228	228	237	242	244	105
35°	205	209	219	224	228	128
45°	175	180	189	195	198	135
55°	139	144	150	155	158	124
65°	98	100	104	108	110	96
75°	52	53	55	57	58	55
85°	12	13	13	13	13	14
90°	1	1	1	0	0	2
95°	16	17	18	20	21	21
105°	97	101	111	118	121	103
115°	190	198	215	228	234	187
125°	275	283	305	322	331	245
135°	346	352	375	392	401	267
145°	406	404	425	438	446	254
155°	448	442	454	463	468	207
165°	476	468	468	470	472	134
175°	488	483	479	476	472	46
180°	482	482	482	482	482	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	246.0	246.0	246.0	246.0	246.0
2.5°	248.2	246.0	246.6	246.6	243.4
5°	247.6	245.5	246.6	246.0	244.4
7.5°	246.6	245.0	246.6	246.6	245.5
10°	245.5	244.0	245.5	246.0	245.5
12.5°	244.0	242.4	245.0	246.0	246.6
15°	241.3	240.2	243.4	247.6	248.8
17.5°	238.7	238.2	242.9	247.6	248.2
20°	235.0	235.0	242.4	246.0	246.6
22.5°	231.9	231.9	240.2	244.0	246.0
25°	227.6	228.1	237.1	241.9	244.0
27.5°	222.8	224.4	233.4	238.7	240.8
30°	217.6	220.2	229.7	235.0	237.7
32.5°	211.3	214.9	224.4	229.7	232.3
35°	205.4	209.1	219.1	224.4	227.6
37.5°	198.1	202.7	212.8	218.1	221.8
40°	191.2	196.0	205.4	211.3	214.9
42.5°	183.2	188.5	197.5	203.3	207.0
45°	175.3	180.0	189.0	194.9	198.5
47.5°	166.9	171.7	180.7	185.9	189.5
50°	157.9	163.1	171.1	176.4	179.6
52.5°	148.8	153.6	161.1	166.4	169.5
55°	139.4	143.6	150.5	155.3	157.9
57.5°	129.3	133.5	139.4	144.2	146.8
60°	119.3	122.5	127.8	132.5	134.7
62.5°	108.7	111.5	116.2	119.9	122.5
65°	97.7	99.8	104.0	107.7	109.9
67.5°	86.1	88.2	91.8	95.0	96.6
70°	74.5	76.5	79.3	81.8	83.4
72.5°	63.3	64.4	67.1	69.2	70.2
75°	51.7	52.8	54.9	57.0	57.6
77.5°	41.2	41.7	43.4	44.4	44.9
80°	30.1	31.2	32.2	32.7	33.3
82.5°	20.6	21.1	21.6	22.2	22.6
85°	12.1	12.6	12.6	13.2	13.2
87.5°	5.3	5.8	5.8	5.8	5.8
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.3	5.3	5.8	6.3	6.9
95°	16.3	16.9	18.5	19.5	20.6
97.5°	32.7	33.8	36.9	39.6	40.7
100°	52.8	54.9	59.7	63.3	65.0
102.5°	74.5	77.6	84.5	89.8	92.4
105°	97.2	101.4	110.9	117.8	121.0
107.5°	120.4	125.7	137.9	145.7	150.0
110°	143.6	150.5	163.7	174.2	177.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	166.9	174.2	190.1	201.7	207.5
115°	190.1	198.1	214.9	228.1	234.5
117.5°	212.3	220.7	239.2	254.0	259.8
120°	233.4	242.4	262.5	277.8	284.6
122.5°	254.5	263.0	284.1	300.4	309.0
125°	274.6	283.0	304.7	321.5	330.6
127.5°	293.7	301.4	324.3	341.6	350.1
130°	312.1	319.5	342.7	359.7	369.2
132.5°	329.5	336.4	359.7	376.0	386.1
135°	346.4	351.7	375.4	391.8	401.4
137.5°	362.2	366.0	389.3	405.6	414.6
140°	378.1	379.2	401.8	417.1	426.6
142.5°	392.4	391.8	413.5	428.2	437.2
145°	405.6	404.0	424.6	437.7	445.7
147.5°	418.2	414.6	434.0	445.2	452.5
150°	429.3	424.6	441.5	452.5	458.8
152.5°	438.7	433.5	447.8	457.8	464.1
155°	448.3	442.0	453.6	463.1	468.4
157.5°	456.8	448.8	457.8	466.3	470.6
160°	464.1	456.3	462.0	468.4	471.6
162.5°	470.6	462.6	465.2	468.9	471.6
165°	475.8	468.4	468.4	469.9	471.6
167.5°	480.0	473.7	470.6	471.0	471.6
170°	483.7	477.3	474.1	471.0	470.6
172.5°	486.4	480.0	477.3	473.1	469.9
175°	488.4	482.7	479.4	475.8	472.1
177.5°	489.0	484.2	481.6	477.9	474.7
180°	482.1	482.1	482.1	482.1	482.1

(END OF REPORT)