

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: P275078

Luminaire Tested: **J3-FL-20L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275078
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-20L82765-1D-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: 2346.2 lumens
Efficiency: N/A
Efficacy: 138.8 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

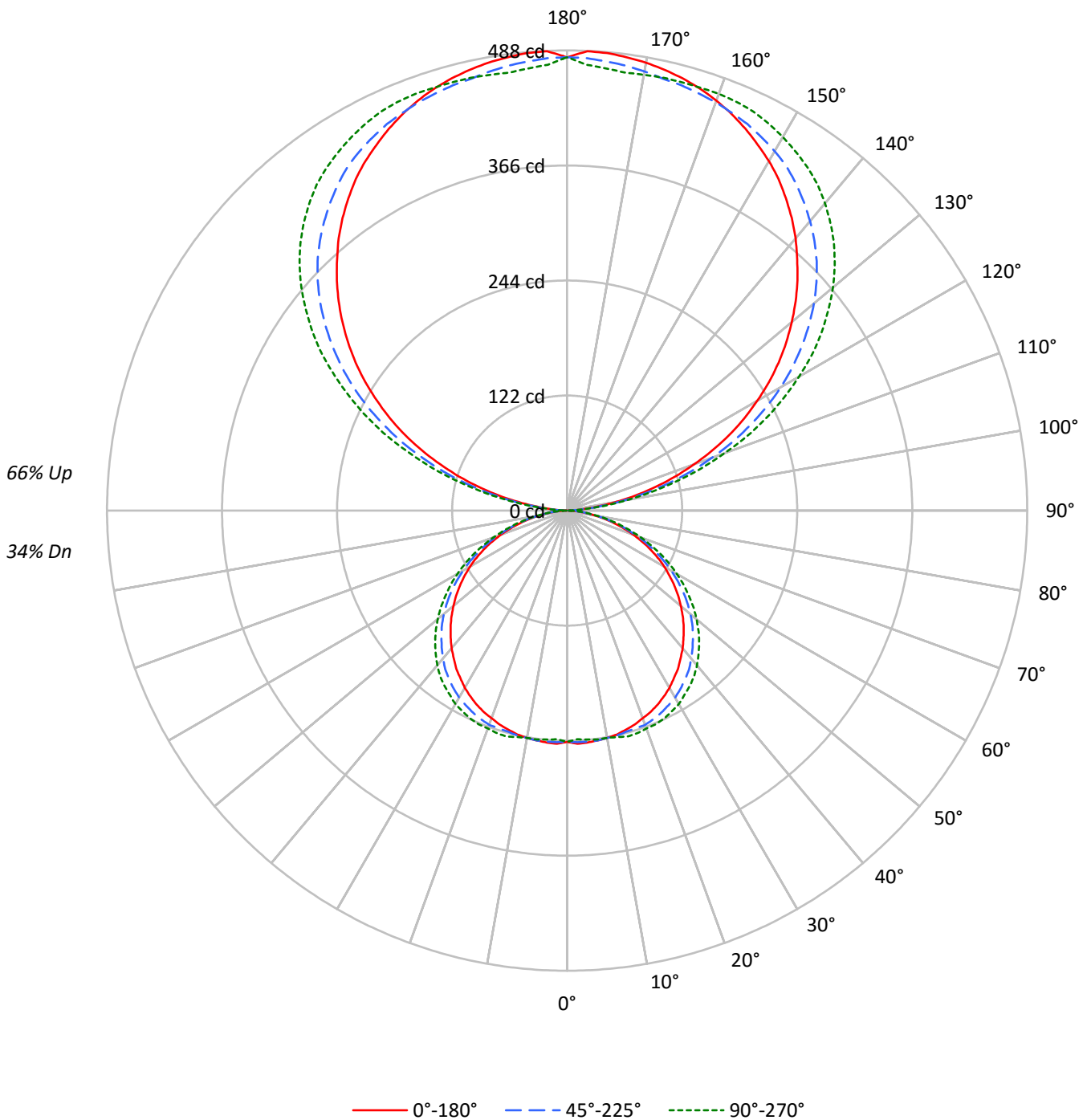
Input Watts (W): 16.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20							20
RC	80					70						30							10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50
RCR																			
0	103	103	103	103		93	93	93	93		74	74	74		57	57	57		41
1	94	90	86	82		85	81	78	75		65	62	60		50	48	47		36
2	85	78	72	67		77	71	65	61		56	53	50		43	41	39		31
3	78	68	61	55		70	62	56	51		50	45	41		38	35	33		28
4	71	60	52	47		64	55	48	43		44	39	35		34	30	28		25
5	65	53	45	40		58	48	42	36		39	34	30		30	27	24		22
6	60	48	40	34		53	43	36	31		35	30	26		27	23	21		20
7	55	43	35	30		49	39	32	27		32	26	23		25	21	18		18
8	51	39	31	26		46	35	29	24		29	24	20		22	19	16		16
9	47	35	28	23		43	32	26	21		26	21	18		20	17	14		15
10	44	32	25	20		40	29	23	19		24	19	16		19	15	13		14

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1980	1980	1980
5°	2001	1993	1975
10°	2007	2007	2007
15°	2010	2028	2073
20°	2013	2076	2113
25°	2022	2106	2167
30°	2023	2135	2209
35°	2018	2152	2237
40°	2009	2158	2257
45°	1996	2152	2259
50°	1977	2143	2248
55°	1956	2113	2215
60°	1920	2057	2168
65°	1861	1981	2094
70°	1754	1865	1961
75°	1609	1709	1790
80°	1399	1492	1543
85°	1121	1158	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	1.0
10°-20°	68.8	2.9
20°-30°	108.4	4.6
30°-40°	135.5	5.8
40°-50°	144.4	6.2
50°-60°	133.1	5.7
60°-70°	102.3	4.4
70°-80°	57.9	2.5
80°-90°	15.3	0.7
90°-100°	24.6	1.0
100°-110°	115.8	4.9
110°-120°	209.8	8.9
120°-130°	269.5	11.5
130°-140°	286.7	12.2
140°-150°	263.8	11.2
150°-160°	208.9	8.9
160°-170°	132.6	5.7
170°-180°	45.5	1.9
0°-30°	200.7	8.6
0°-40°	336.1	14.3
0°-60°	613.6	26.2
0°-90°	789.1	33.6
90°-120°	350.1	14.9
90°-150°	1170.1	49.9
90°-180°	1557.0	66.4
0°-180°	2346.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	245	245	245	245	245	
5°	247	245	246	245	244	23
15°	240	240	243	247	248	68
25°	227	227	236	241	243	105
35°	205	208	218	224	227	128
45°	175	180	188	194	198	135
55°	139	143	150	155	157	124
65°	97	100	104	107	110	96
75°	52	53	55	57	57	55
85°	12	12	12	13	13	14
90°	1	1	1	0	0	2
95°	16	17	18	20	20	21
105°	97	101	111	117	121	103
115°	190	198	214	227	234	187
125°	274	282	304	321	330	244
135°	345	351	374	391	400	266
145°	404	403	423	436	444	253
155°	447	441	452	462	467	206
165°	474	467	467	468	470	134
175°	487	481	478	474	471	46
180°	481	481	481	481	481	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	245.3	245.3	245.3	245.3	245.3
2.5°	247.5	245.3	245.9	245.9	242.7
5°	246.9	244.8	245.9	245.3	243.7
7.5°	245.9	244.3	245.9	245.9	244.8
10°	244.8	243.3	244.8	245.3	244.8
12.5°	243.3	241.7	244.3	245.3	245.9
15°	240.5	239.5	242.7	246.9	248.0
17.5°	238.0	237.5	242.2	246.9	247.5
20°	234.3	234.3	241.7	245.3	245.9
22.5°	231.2	231.2	239.5	243.3	245.3
25°	227.0	227.4	236.4	241.2	243.3
27.5°	222.2	223.8	232.7	238.0	240.1
30°	217.0	219.6	229.0	234.3	237.0
32.5°	210.7	214.2	223.8	229.0	231.7
35°	204.8	208.5	218.4	223.8	227.0
37.5°	197.5	202.2	212.2	217.4	221.2
40°	190.6	195.4	204.8	210.7	214.2
42.5°	182.7	187.9	196.9	202.7	206.4
45°	174.8	179.5	188.5	194.3	197.9
47.5°	166.4	171.2	180.2	185.4	189.0
50°	157.4	162.6	170.6	175.8	179.0
52.5°	148.4	153.2	160.6	165.9	169.0
55°	139.0	143.2	150.1	154.9	157.4
57.5°	128.9	133.1	139.0	143.7	146.4
60°	118.9	122.1	127.4	132.1	134.3
62.5°	108.4	111.1	115.8	119.6	122.1
65°	97.4	99.5	103.7	107.4	109.6
67.5°	85.9	87.9	91.6	94.8	96.3
70°	74.3	76.3	79.0	81.6	83.1
72.5°	63.1	64.2	66.9	69.0	70.0
75°	51.6	52.6	54.8	56.8	57.4
77.5°	41.1	41.6	43.3	44.3	44.8
80°	30.1	31.1	32.1	32.6	33.2
82.5°	20.5	21.1	21.5	22.1	22.6
85°	12.1	12.5	12.5	13.2	13.2
87.5°	5.2	5.8	5.8	5.8	5.8
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.2	5.2	5.8	6.3	6.8
95°	16.3	16.9	18.4	19.5	20.5
97.5°	32.6	33.7	36.8	39.5	40.5
100°	52.6	54.8	59.6	63.1	64.8
102.5°	74.3	77.3	84.3	89.5	92.1
105°	96.9	101.1	110.6	117.4	120.6
107.5°	120.0	125.4	137.5	145.3	149.5
110°	143.2	150.1	163.2	173.7	176.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	166.4	173.7	189.5	201.1	206.9
115°	189.5	197.5	214.2	227.4	233.8
117.5°	211.7	220.0	238.5	253.3	259.0
120°	232.7	241.7	261.7	277.0	283.8
122.5°	253.7	262.3	283.2	299.5	308.1
125°	273.8	282.2	303.8	320.6	329.6
127.5°	292.8	300.6	323.3	340.6	349.1
130°	311.1	318.5	341.7	358.6	368.1
132.5°	328.6	335.4	358.6	374.9	384.9
135°	345.4	350.7	374.3	390.6	400.2
137.5°	361.1	364.9	388.1	404.4	413.4
140°	377.0	378.1	400.7	415.9	425.4
142.5°	391.2	390.6	412.3	427.0	436.0
145°	404.4	402.8	423.3	436.4	444.4
147.5°	417.0	413.4	432.8	443.9	451.2
150°	428.0	423.3	440.2	451.2	457.5
152.5°	437.5	432.2	446.4	456.5	462.7
155°	447.0	440.7	452.3	461.7	467.0
157.5°	455.4	447.5	456.5	464.9	469.2
160°	462.7	455.0	460.7	467.0	470.2
162.5°	469.2	461.2	463.9	467.5	470.2
165°	474.4	467.0	467.0	468.5	470.2
167.5°	478.6	472.3	469.2	469.7	470.2
170°	482.3	475.9	472.8	469.7	469.2
172.5°	484.9	478.6	475.9	471.7	468.5
175°	487.0	481.3	478.0	474.4	470.7
177.5°	487.6	482.8	480.2	476.5	473.3
180°	480.7	480.7	480.7	480.7	480.7

(END OF REPORT)