

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: P275098

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275098
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2549.4 lumens
Efficiency: N/A
Efficacy: 122.0 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

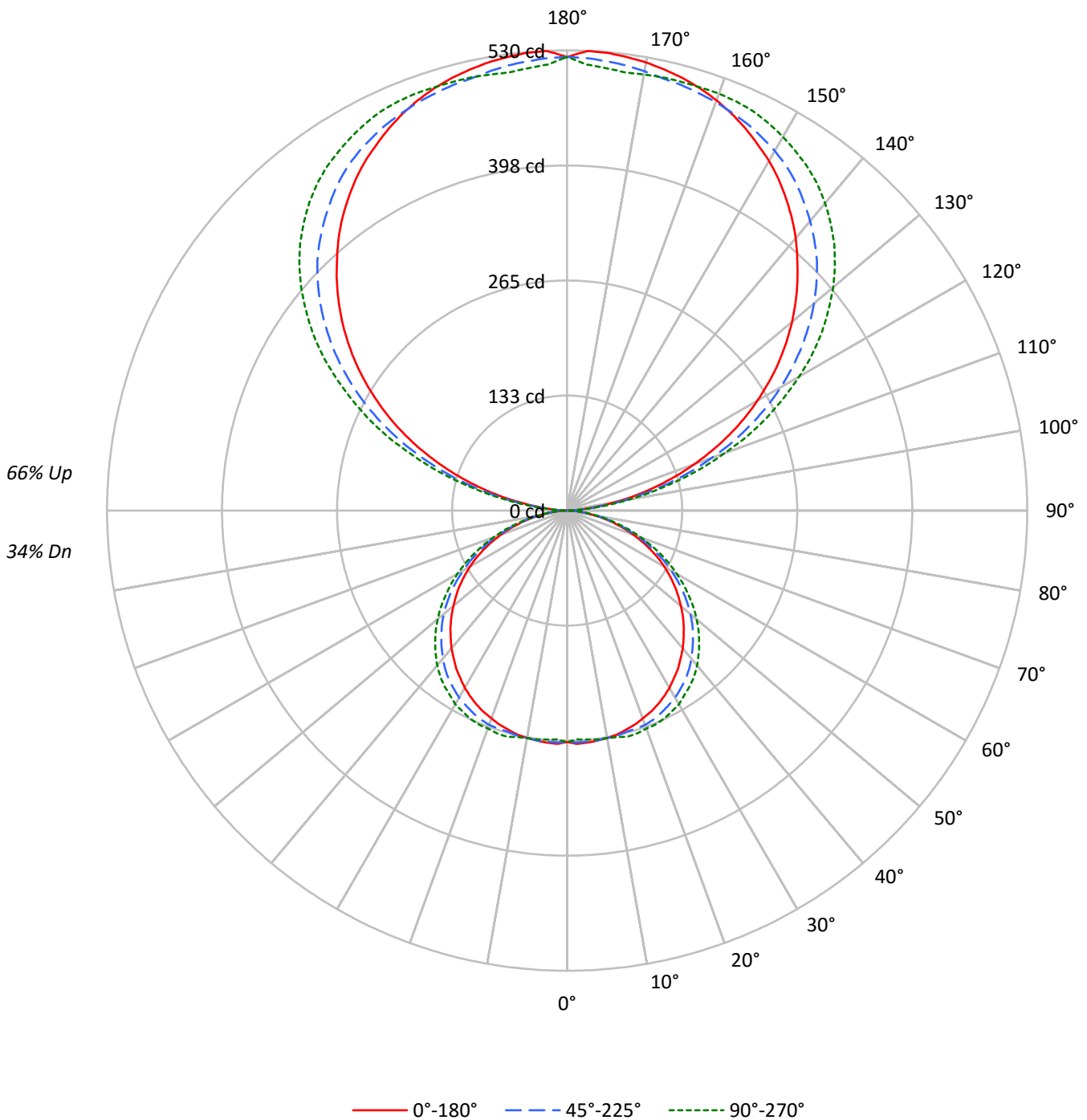
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2152	2152	2152
5°	2174	2165	2146
10°	2181	2181	2181
15°	2185	2204	2252
20°	2187	2256	2296
25°	2197	2288	2354
30°	2197	2320	2400
35°	2193	2340	2430
40°	2184	2345	2453
45°	2169	2338	2456
50°	2148	2328	2443
55°	2125	2296	2407
60°	2086	2236	2356
65°	2021	2151	2273
70°	1905	2028	2131
75°	1750	1856	1946
80°	1520	1623	1678
85°	1213	1260	1325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	1.0
10°-20°	74.8	2.9
20°-30°	117.8	4.6
30°-40°	147.2	5.8
40°-50°	156.9	6.2
50°-60°	144.7	5.7
60°-70°	111.1	4.4
70°-80°	63.0	2.5
80°-90°	16.6	0.7
90°-100°	26.7	1.0
100°-110°	125.8	4.9
110°-120°	228.0	8.9
120°-130°	292.8	11.5
130°-140°	311.5	12.2
140°-150°	286.6	11.2
150°-160°	227.0	8.9
160°-170°	144.1	5.7
170°-180°	49.4	1.9
0°-30°	218.0	8.6
0°-40°	365.2	14.3
0°-60°	666.8	26.2
0°-90°	857.5	33.6
90°-120°	380.5	14.9
90°-150°	1271.5	49.9
90°-180°	1692.0	66.4
0°-180°	2549.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	267	267	267	267	267	
5°	268	266	267	267	265	26
15°	261	260	264	268	270	74
25°	247	247	257	262	264	114
35°	222	227	237	243	247	139
45°	190	195	205	211	215	146
55°	151	156	163	168	171	135
65°	106	108	113	117	119	104
75°	56	57	60	62	62	60
85°	13	14	14	14	14	15
90°	1	1	1	0	0	2
95°	18	18	20	21	22	23
105°	105	110	120	128	131	111
115°	206	215	233	247	254	203
125°	298	307	330	348	358	265
135°	375	381	407	424	435	289
145°	439	438	460	474	483	275
155°	486	479	491	502	508	224
165°	516	508	508	509	511	146
175°	529	523	519	516	512	50
180°	522	522	522	522	522	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	266.6	266.6	266.6	266.6	266.6
2.5°	268.9	266.6	267.2	267.2	263.7
5°	268.3	266.0	267.2	266.6	264.8
7.5°	267.2	265.5	267.2	267.2	266.0
10°	266.0	264.3	266.0	266.6	266.0
12.5°	264.3	262.6	265.5	266.6	267.2
15°	261.4	260.3	263.7	268.3	269.5
17.5°	258.6	258.0	263.2	268.3	268.9
20°	254.6	254.6	262.6	266.6	267.2
22.5°	251.2	251.2	260.3	264.3	266.6
25°	246.6	247.1	256.9	262.1	264.3
27.5°	241.4	243.2	252.8	258.6	260.9
30°	235.7	238.6	248.9	254.6	257.5
32.5°	228.9	232.8	243.2	248.9	251.7
35°	222.5	226.6	237.4	243.2	246.6
37.5°	214.6	219.7	230.6	236.3	240.3
40°	207.2	212.3	222.5	228.9	232.8
42.5°	198.5	204.2	214.0	220.3	224.2
45°	190.0	195.0	204.8	211.1	215.1
47.5°	180.8	186.0	195.8	201.5	205.3
50°	171.0	176.7	185.4	191.1	194.5
52.5°	161.3	166.5	174.5	180.3	183.6
55°	151.0	155.6	163.1	168.3	171.0
57.5°	140.1	144.7	151.0	156.2	159.0
60°	129.2	132.7	138.5	143.6	145.9
62.5°	117.8	120.8	125.9	129.9	132.7
65°	105.8	108.2	112.6	116.7	119.0
67.5°	93.3	95.5	99.5	103.0	104.7
70°	80.7	82.9	85.9	88.6	90.3
72.5°	68.6	69.8	72.6	75.0	76.1
75°	56.1	57.2	59.5	61.8	62.4
77.5°	44.7	45.2	47.0	48.1	48.6
80°	32.7	33.8	34.9	35.4	36.1
82.5°	22.3	22.9	23.4	24.0	24.5
85°	13.1	13.6	13.6	14.3	14.3
87.5°	5.7	6.3	6.3	6.3	6.3
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.7	5.7	6.3	6.8	7.4
95°	17.7	18.3	20.0	21.2	22.3
97.5°	35.4	36.6	40.0	42.9	44.1
100°	57.2	59.5	64.7	68.6	70.4
102.5°	80.7	84.0	91.6	97.3	100.1
105°	105.3	109.9	120.2	127.6	131.0
107.5°	130.4	136.2	149.4	157.9	162.5
110°	155.6	163.1	177.3	188.7	192.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	180.8	188.7	205.9	218.5	224.9
115°	205.9	214.6	232.8	247.1	254.1
117.5°	230.0	239.1	259.1	275.2	281.4
120°	252.8	262.6	284.4	301.0	308.4
122.5°	275.7	285.0	307.8	325.5	334.7
125°	297.5	306.7	330.2	348.4	358.1
127.5°	318.2	326.6	351.3	370.1	379.3
130°	338.1	346.1	371.3	389.7	400.0
132.5°	357.0	364.4	389.7	407.4	418.3
135°	375.3	381.0	406.8	424.5	434.9
137.5°	392.4	396.5	421.7	439.4	449.2
140°	409.6	410.8	435.4	451.9	462.2
142.5°	425.1	424.5	448.0	464.0	473.7
145°	439.4	437.7	460.0	474.2	482.9
147.5°	453.1	449.2	470.3	482.4	490.3
150°	465.1	460.0	478.3	490.3	497.1
152.5°	475.4	469.7	485.1	496.0	502.8
155°	485.7	478.9	491.4	501.7	507.5
157.5°	494.9	486.2	496.0	505.2	509.8
160°	502.8	494.4	500.6	507.5	511.0
162.5°	509.8	501.2	504.0	508.0	511.0
165°	515.5	507.5	507.5	509.1	511.0
167.5°	520.0	513.2	509.8	510.4	511.0
170°	524.1	517.2	513.7	510.4	509.8
172.5°	526.9	520.0	517.2	512.6	509.1
175°	529.2	523.0	519.4	515.5	511.5
177.5°	529.8	524.6	521.7	517.8	514.3
180°	522.4	522.4	522.4	522.4	522.4

(END OF REPORT)