

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: P275186

Luminaire Tested: **J3-UL-30L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L82765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3006.5 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

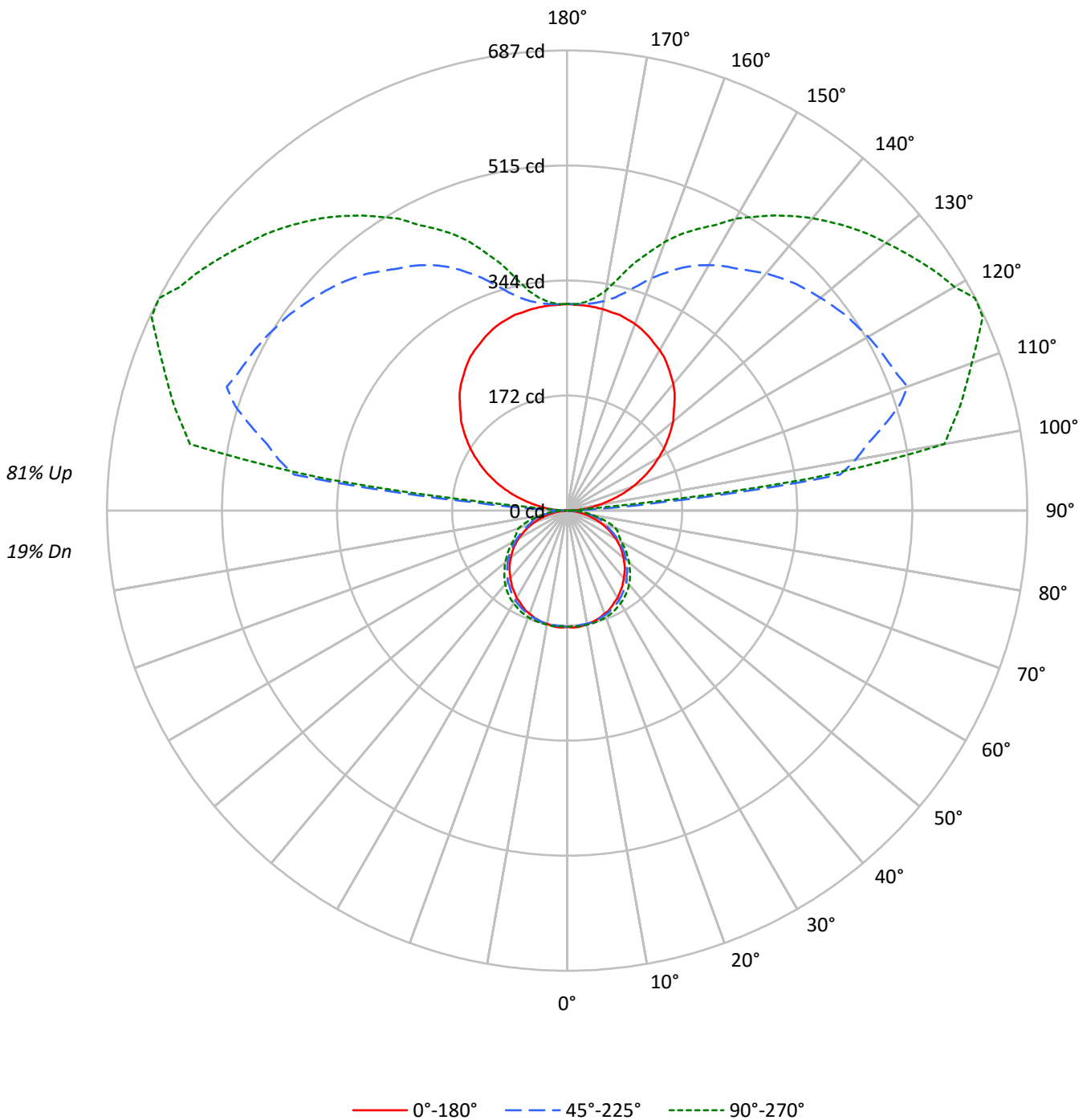
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1402	1402	1402
5°	1416	1400	1408
10°	1408	1408	1416
15°	1410	1410	1435
20°	1406	1424	1458
25°	1405	1431	1476
30°	1405	1442	1489
35°	1396	1446	1505
40°	1388	1451	1514
45°	1391	1447	1515
50°	1379	1442	1517
55°	1377	1433	1517
60°	1353	1418	1514
65°	1316	1393	1601
70°	1249	1414	1813
75°	1151	1619	1837
80°	1023	1623	1762
85°	834	1853	2038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.5
10°-20°	48.0	1.6
20°-30°	74.4	2.5
30°-40°	92.0	3.1
40°-50°	98.1	3.3
50°-60°	91.4	3.0
60°-70°	74.5	2.5
70°-80°	51.1	1.7
80°-90°	20.0	0.7
90°-100°	175.7	5.8
100°-110°	454.2	15.1
110°-120°	470.9	15.7
120°-130°	418.6	13.9
130°-140°	348.8	11.6
140°-150°	266.0	8.8
150°-160°	179.2	6.0
160°-170°	97.1	3.2
170°-180°	29.9	1.0
0°-30°	138.9	4.6
0°-40°	230.9	7.7
0°-60°	420.4	14.0
0°-90°	566.1	18.8
90°-120°	1100.8	36.6
90°-150°	2134.1	71.0
90°-180°	2440.0	81.2
0°-180°	3006.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	174	174	174	174	174	
5°	175	174	173	173	174	17
15°	169	169	169	171	172	48
25°	158	159	161	165	166	73
35°	142	143	147	152	153	89
45°	122	124	127	132	133	94
55°	98	99	102	106	108	87
65°	69	71	73	80	84	68
75°	37	40	52	58	59	39
85°	9	16	20	22	22	10
90°	1	2	2	1	1	3
95°	25	197	139	24	24	25
105°	76	314	489	577	608	80
115°	132	324	528	659	685	130
125°	183	331	508	613	646	163
135°	226	341	480	570	598	175
145°	262	335	441	515	538	164
155°	287	320	399	451	464	133
165°	302	310	337	370	381	85
175°	307	308	309	311	312	29
180°	308	308	308	308	308	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	173.7	173.7	173.7	173.7	173.7
2.5°	174.7	174.7	172.7	172.7	172.7
5°	174.7	173.7	172.7	172.7	173.7
7.5°	173.7	173.7	171.7	172.7	173.7
10°	171.7	171.7	171.7	172.7	172.7
12.5°	170.7	170.7	170.7	171.7	172.7
15°	168.7	168.7	168.7	170.7	171.7
17.5°	166.7	166.7	167.7	169.7	170.7
20°	163.7	164.7	165.7	168.7	169.7
22.5°	161.7	161.7	163.7	166.7	167.7
25°	157.7	158.7	160.7	164.7	165.7
27.5°	153.7	154.7	157.7	161.7	162.7
30°	150.7	151.7	154.7	158.7	159.7
32.5°	145.7	147.7	150.7	155.7	156.7
35°	141.7	142.7	146.7	151.7	152.7
37.5°	136.7	138.7	141.7	146.7	148.7
40°	131.7	133.7	137.7	142.7	143.7
42.5°	126.7	128.7	131.7	136.7	138.7
45°	121.8	123.8	126.7	131.7	132.7
47.5°	115.8	117.8	120.8	125.7	126.7
50°	109.8	111.8	114.8	118.8	120.8
52.5°	103.8	105.8	108.8	112.8	113.8
55°	97.8	98.8	101.8	105.8	107.8
57.5°	90.8	92.8	94.8	98.8	100.8
60°	83.8	84.8	87.8	91.8	93.8
62.5°	75.8	77.8	80.8	84.8	88.8
65°	68.9	70.9	72.9	79.8	83.8
67.5°	60.9	62.9	65.9	74.9	81.8
70°	52.9	54.9	59.9	72.9	76.8
72.5°	44.9	46.9	54.9	66.9	68.9
75°	36.9	39.9	51.9	57.9	58.9
77.5°	28.9	31.9	43.9	46.9	47.9
80°	22.0	26.9	34.9	37.9	37.9
82.5°	15.0	23.0	26.9	28.9	29.9
85°	9.0	16.0	20.0	22.0	22.0
87.5°	5.0	10.0	14.0	17.0	16.0
90°	1.0	2.0	2.0	1.0	1.0
92.5°	14.0	40.9	12.0	11.0	11.0
95°	25.0	196.6	138.7	24.0	24.0
97.5°	35.9	240.5	411.2	484.0	364.3
100°	47.9	285.4	437.1	540.9	571.9
102.5°	60.9	306.4	459.1	555.9	588.8
105°	75.8	314.4	489.0	576.8	607.8
107.5°	89.8	319.4	520.0	595.8	624.7
110°	103.8	321.4	540.9	617.8	642.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	117.8	323.4	532.9	643.7	662.7
115°	131.7	324.4	527.9	658.7	684.6
117.5°	144.7	326.3	524.0	643.7	686.6
120°	157.7	328.3	519.0	631.7	667.7
122.5°	170.7	330.3	513.0	622.8	657.7
125°	182.6	331.3	508.0	612.8	645.7
127.5°	194.6	333.3	501.0	602.8	633.7
130°	206.6	337.3	494.0	591.8	621.8
132.5°	215.6	340.3	487.0	581.8	610.8
135°	226.5	341.3	480.0	569.9	597.8
137.5°	237.5	341.3	471.1	557.9	583.8
140°	246.5	340.3	462.1	543.9	569.9
142.5°	254.5	338.3	451.1	529.9	553.9
145°	262.5	335.3	441.1	515.0	537.9
147.5°	270.5	332.3	433.1	499.0	520.0
150°	276.4	328.3	423.2	482.0	503.0
152.5°	281.4	323.4	412.2	466.1	481.0
155°	287.4	320.4	399.2	451.1	464.1
157.5°	292.4	316.4	384.2	435.1	447.1
160°	296.4	314.4	369.3	414.2	427.1
162.5°	299.4	311.4	352.3	393.2	403.2
165°	302.4	310.4	337.3	370.3	381.2
167.5°	303.4	308.4	325.3	346.3	355.3
170°	305.4	308.4	317.4	329.3	333.3
172.5°	306.4	308.4	312.4	318.4	320.4
175°	307.4	308.4	309.4	311.4	312.4
177.5°	307.4	308.4	308.4	308.4	308.4
180°	308.4	308.4	308.4	308.4	308.4

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