

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: P275189

Luminaire Tested: **J3-UL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-30L82765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3142.0 lumens
Efficiency: N/A
Efficacy: 147.5 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

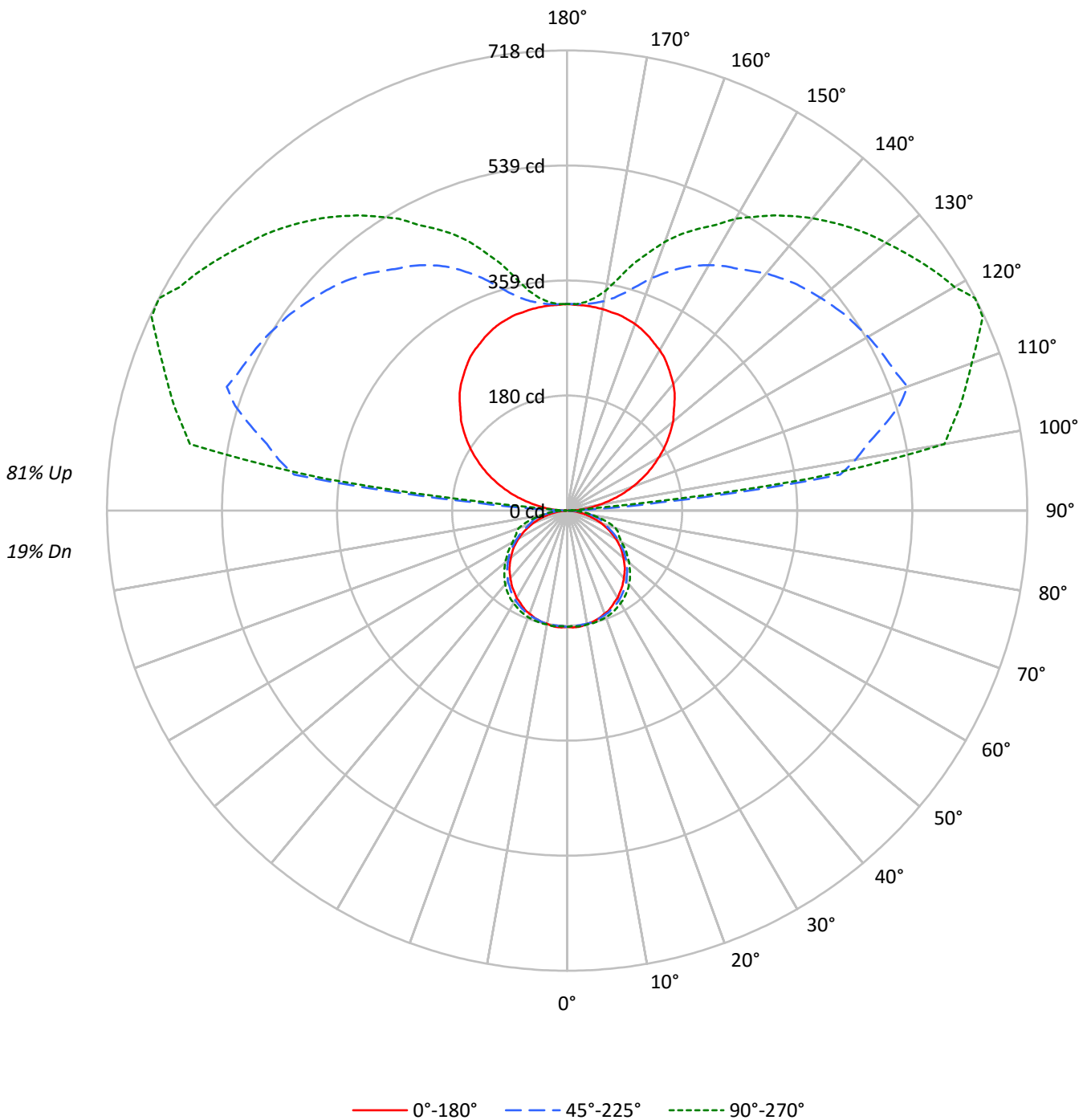
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	19	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°	1465	1465	1465
5°	1479	1462	1471
10°	1471	1471	1479
15°	1473	1473	1499
20°	1470	1487	1523
25°	1468	1496	1542
30°	1468	1507	1556
35°	1460	1511	1573
40°	1451	1516	1583
45°	1452	1513	1584
50°	1441	1506	1585
55°	1438	1498	1585
60°	1414	1482	1582
65°	1375	1454	1673
70°	1305	1478	1895
75°	1204	1691	1918
80°	1065	1697	1841
85°	871	1936	2121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.5
10°-20°	50.1	1.6
20°-30°	77.8	2.5
30°-40°	96.2	3.1
40°-50°	102.5	3.3
50°-60°	95.6	3.0
60°-70°	77.9	2.5
70°-80°	53.5	1.7
80°-90°	20.9	0.7
90°-100°	183.6	5.8
100°-110°	474.7	15.1
110°-120°	492.1	15.7
120°-130°	437.4	13.9
130°-140°	364.6	11.6
140°-150°	277.9	8.8
150°-160°	187.3	6.0
160°-170°	101.5	3.2
170°-180°	31.2	1.0
0°-30°	145.2	4.6
0°-40°	241.3	7.7
0°-60°	439.4	14.0
0°-90°	591.6	18.8
90°-120°	1150.4	36.6
90°-150°	2230.4	71.0
90°-180°	2550.0	81.2
0°-180°	3142.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	182	182	182	182	182	
5°	182	182	180	180	182	17
15°	176	176	176	178	179	50
25°	165	166	168	172	173	76
35°	148	149	153	158	160	93
45°	127	129	132	138	139	98
55°	102	103	106	111	113	91
65°	72	74	76	83	88	71
75°	39	42	54	60	62	41
85°	9	17	21	23	23	11
90°	1	2	2	1	1	3
95°	26	206	145	25	25	26
105°	79	328	511	603	635	83
115°	138	339	552	688	716	136
125°	191	346	531	640	675	171
135°	237	357	502	596	625	183
145°	274	350	461	538	562	172
155°	300	335	417	471	485	139
165°	316	324	352	387	398	89
175°	321	322	323	325	326	31
180°	322	322	322	322	322	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	181.5	181.5	181.5	181.5	181.5
2.5°	182.5	182.5	180.4	180.4	180.4
5°	182.5	181.5	180.4	180.4	181.5
7.5°	181.5	181.5	179.4	180.4	181.5
10°	179.4	179.4	179.4	180.4	180.4
12.5°	178.4	178.4	178.4	179.4	180.4
15°	176.3	176.3	176.3	178.4	179.4
17.5°	174.2	174.2	175.2	177.3	178.4
20°	171.1	172.1	173.1	176.3	177.3
22.5°	169.0	169.0	171.1	174.2	175.2
25°	164.8	165.8	167.9	172.1	173.1
27.5°	160.6	161.7	164.8	169.0	170.0
30°	157.5	158.5	161.7	165.8	166.9
32.5°	152.3	154.4	157.5	162.7	163.8
35°	148.1	149.1	153.3	158.5	159.6
37.5°	142.9	145.0	148.1	153.3	155.4
40°	137.7	139.8	143.9	149.1	150.2
42.5°	132.5	134.5	137.7	142.9	145.0
45°	127.2	129.3	132.5	137.7	138.7
47.5°	121.0	123.1	126.2	131.4	132.5
50°	114.7	116.8	119.9	124.1	126.2
52.5°	108.5	110.6	113.7	117.9	118.9
55°	102.2	103.3	106.4	110.6	112.6
57.5°	94.9	97.0	99.1	103.3	105.3
60°	87.6	88.7	91.8	96.0	98.0
62.5°	79.3	81.4	84.5	88.7	92.8
65°	72.0	74.1	76.1	83.4	87.6
67.5°	63.6	65.7	68.8	78.2	85.5
70°	55.3	57.4	62.6	76.1	80.3
72.5°	46.9	49.0	57.4	69.9	72.0
75°	38.6	41.7	54.2	60.5	61.5
77.5°	30.2	33.4	45.9	49.0	50.1
80°	22.9	28.2	36.5	39.6	39.6
82.5°	15.6	24.0	28.2	30.2	31.3
85°	9.4	16.7	20.9	22.9	22.9
87.5°	5.2	10.4	14.6	17.7	16.7
90°	1.0	2.1	2.1	1.0	1.0
92.5°	14.6	42.8	12.5	11.5	11.5
95°	26.1	205.5	145.0	25.0	25.0
97.5°	37.5	251.4	429.7	505.9	380.7
100°	50.1	298.3	456.8	565.3	597.6
102.5°	63.6	320.2	479.8	581.0	615.4
105°	79.3	328.5	511.1	602.9	635.2
107.5°	93.9	333.8	543.4	622.7	652.9
110°	108.5	335.8	565.3	645.6	671.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	123.1	337.9	557.0	672.7	692.6
115°	137.7	339.0	551.7	688.4	715.5
117.5°	151.2	341.1	547.6	672.7	717.6
120°	164.8	343.1	542.4	660.2	697.8
122.5°	178.4	345.2	536.1	650.8	687.3
125°	190.9	346.3	530.9	640.4	674.8
127.5°	203.4	348.4	523.6	630.0	662.3
130°	215.9	352.5	516.3	618.5	649.8
132.5°	225.3	355.7	509.0	608.1	638.3
135°	236.8	356.7	501.7	595.6	624.8
137.5°	248.2	356.7	492.3	583.0	610.2
140°	257.6	355.7	482.9	568.4	595.6
142.5°	266.0	353.6	471.4	553.8	578.9
145°	274.3	350.4	461.0	538.2	562.2
147.5°	282.7	347.3	452.7	521.5	543.4
150°	288.9	343.1	442.2	503.8	525.7
152.5°	294.1	337.9	430.8	487.1	502.7
155°	300.4	334.8	417.2	471.4	485.0
157.5°	305.6	330.6	401.6	454.7	467.3
160°	309.8	328.5	385.9	432.8	446.4
162.5°	312.9	325.4	368.2	410.9	421.4
165°	316.0	324.4	352.5	387.0	398.4
167.5°	317.1	322.3	340.0	361.9	371.3
170°	319.2	322.3	331.7	344.2	348.4
172.5°	320.2	322.3	326.5	332.7	334.8
175°	321.2	322.3	323.3	325.4	326.5
177.5°	321.2	322.3	322.3	322.3	322.3
180°	322.3	322.3	322.3	322.3	322.3

(END OF REPORT)