

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: P275190

Luminaire Tested: **J3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275190
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3148.0 lumens
Efficiency: N/A
Efficacy: 145.7 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

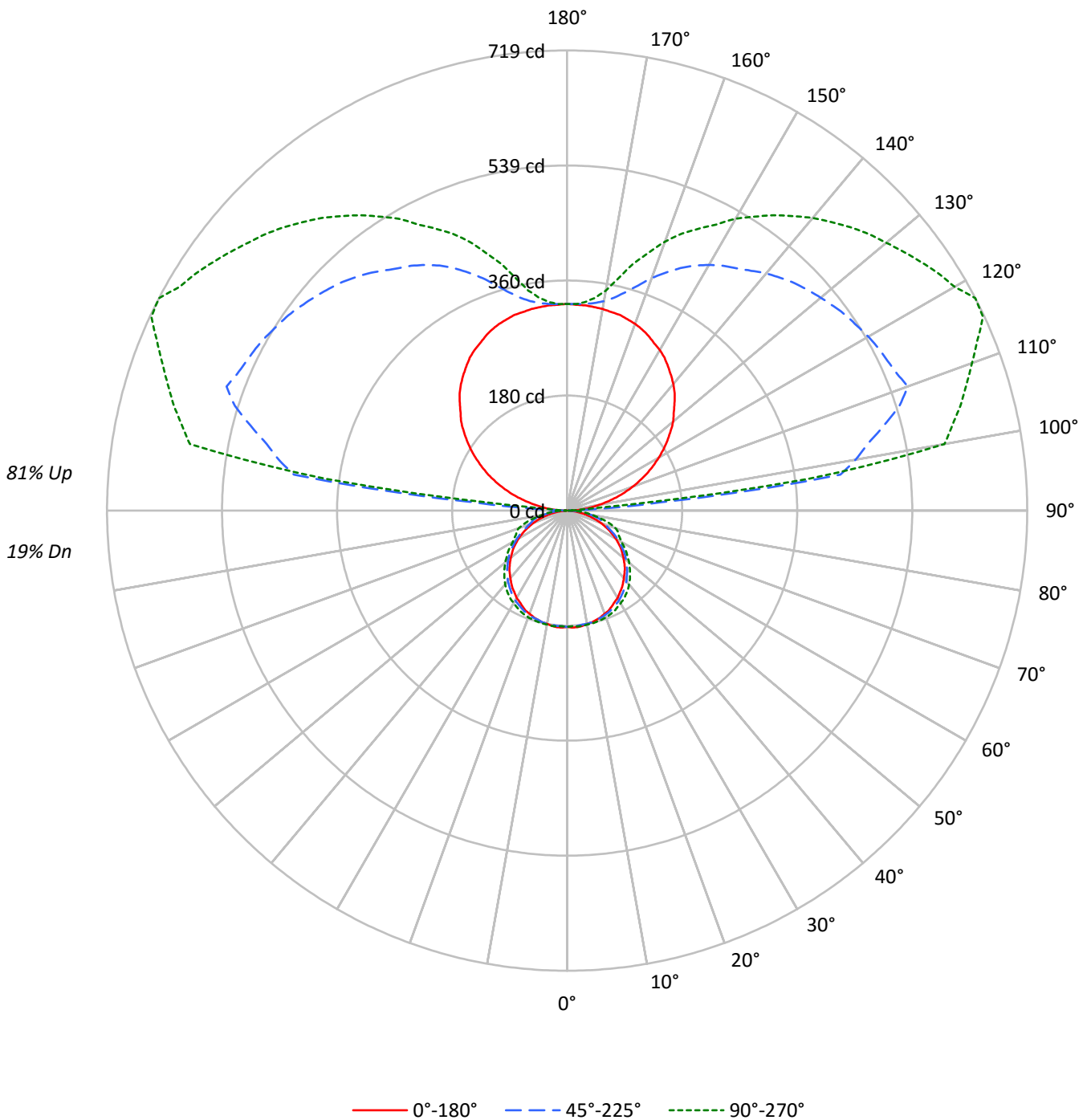
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1468	1468	1468
5°	1482	1465	1473
10°	1473	1473	1482
15°	1476	1476	1502
20°	1473	1491	1526
25°	1471	1498	1545
30°	1471	1510	1559
35°	1463	1514	1576
40°	1453	1520	1586
45°	1456	1515	1587
50°	1443	1510	1587
55°	1441	1500	1589
60°	1418	1485	1586
65°	1377	1457	1677
70°	1308	1480	1900
75°	1207	1694	1925
80°	1069	1702	1846
85°	871	1936	2130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.5
10°-20°	50.2	1.6
20°-30°	77.9	2.5
30°-40°	96.4	3.1
40°-50°	102.7	3.3
50°-60°	95.7	3.0
60°-70°	78.0	2.5
70°-80°	53.6	1.7
80°-90°	20.9	0.7
90°-100°	183.9	5.8
100°-110°	475.6	15.1
110°-120°	493.1	15.7
120°-130°	438.3	13.9
130°-140°	365.3	11.6
140°-150°	278.5	8.8
150°-160°	187.7	6.0
160°-170°	101.7	3.2
170°-180°	31.3	1.0
0°-30°	145.4	4.6
0°-40°	241.8	7.7
0°-60°	440.2	14.0
0°-90°	592.7	18.8
90°-120°	1152.6	36.6
90°-150°	2234.6	71.0
90°-180°	2555.0	81.2
0°-180°	3148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	182	182	182	182	182	
5°	183	182	181	181	182	17
15°	177	177	177	179	180	50
25°	165	166	168	172	174	76
35°	148	149	154	159	160	93
45°	128	130	133	138	139	98
55°	102	104	107	111	113	91
65°	72	74	76	84	88	71
75°	39	42	54	61	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	329	512	604	636	83
115°	138	340	553	690	717	136
125°	191	347	532	642	676	171
135°	237	357	503	597	626	183
145°	275	351	462	539	563	172
155°	301	335	418	472	486	139
165°	317	325	353	388	399	89
175°	322	323	324	326	327	31
180°	323	323	323	323	323	



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CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	181.8	181.8	181.8	181.8	181.8
2.5°	182.9	182.9	180.8	180.8	180.8
5°	182.9	181.8	180.8	180.8	181.8
7.5°	181.8	181.8	179.7	180.8	181.8
10°	179.7	179.7	179.7	180.8	180.8
12.5°	178.7	178.7	178.7	179.7	180.8
15°	176.6	176.6	176.6	178.7	179.7
17.5°	174.5	174.5	175.6	177.6	178.7
20°	171.4	172.4	173.5	176.6	177.6
22.5°	169.3	169.3	171.4	174.5	175.6
25°	165.1	166.2	168.2	172.4	173.5
27.5°	160.9	162.0	165.1	169.3	170.3
30°	157.8	158.8	162.0	166.2	167.2
32.5°	152.6	154.7	157.8	163.0	164.1
35°	148.4	149.4	153.6	158.8	159.9
37.5°	143.2	145.3	148.4	153.6	155.7
40°	137.9	140.0	144.2	149.4	150.5
42.5°	132.7	134.8	137.9	143.2	145.3
45°	127.5	129.6	132.7	137.9	139.0
47.5°	121.2	123.3	126.4	131.7	132.7
50°	114.9	117.0	120.2	124.4	126.4
52.5°	108.7	110.8	113.9	118.1	119.1
55°	102.4	103.5	106.6	110.8	112.9
57.5°	95.1	97.2	99.3	103.5	105.5
60°	87.8	88.8	92.0	96.1	98.2
62.5°	79.4	81.5	84.6	88.8	93.0
65°	72.1	74.2	76.3	83.6	87.8
67.5°	63.7	65.8	69.0	78.4	85.7
70°	55.4	57.5	62.7	76.3	80.5
72.5°	47.0	49.1	57.5	70.0	72.1
75°	38.7	41.8	54.3	60.6	61.7
77.5°	30.3	33.4	46.0	49.1	50.2
80°	23.0	28.2	36.6	39.7	39.7
82.5°	15.7	24.0	28.2	30.3	31.3
85°	9.4	16.7	20.9	23.0	23.0
87.5°	5.2	10.4	14.6	17.8	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	205.9	145.3	25.1	25.1
97.5°	37.6	251.8	430.5	506.8	381.4
100°	50.2	298.9	457.7	566.4	598.8
102.5°	63.7	320.8	480.7	582.1	616.5
105°	79.4	329.2	512.0	604.0	636.4
107.5°	94.0	334.4	544.4	623.9	654.2
110°	108.7	336.5	566.4	646.9	673.0



TEST NUMBER: P275190

CATALOG NUMBER: J3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	123.3	338.6	558.0	674.0	693.9
115°	137.9	339.6	552.8	689.7	716.9
117.5°	151.5	341.7	548.6	674.0	719.0
120°	165.1	343.8	543.4	661.5	699.1
122.5°	178.7	345.9	537.1	652.1	688.7
125°	191.2	346.9	531.9	641.6	676.1
127.5°	203.8	349.0	524.6	631.2	663.6
130°	216.3	353.2	517.3	619.7	651.0
132.5°	225.7	356.3	510.0	609.2	639.5
135°	237.2	357.4	502.6	596.7	626.0
137.5°	248.7	357.4	493.2	584.2	611.3
140°	258.1	356.3	483.8	569.5	596.7
142.5°	266.5	354.3	472.3	554.9	580.0
145°	274.8	351.1	461.9	539.2	563.3
147.5°	283.2	348.0	453.5	522.5	544.4
150°	289.5	343.8	443.1	504.7	526.7
152.5°	294.7	338.6	431.6	488.0	503.7
155°	301.0	335.4	418.0	472.3	485.9
157.5°	306.2	331.3	402.3	455.6	468.2
160°	310.4	329.2	386.6	433.7	447.3
162.5°	313.5	326.0	368.9	411.7	422.2
165°	316.6	325.0	353.2	387.7	399.2
167.5°	317.7	322.9	340.7	362.6	372.0
170°	319.8	322.9	332.3	344.8	349.0
172.5°	320.8	322.9	327.1	333.4	335.4
175°	321.9	322.9	323.9	326.0	327.1
177.5°	321.9	322.9	322.9	322.9	322.9
180°	322.9	322.9	322.9	322.9	322.9

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