

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P601084

Luminaire Tested: 22D3X-LP-20-L935

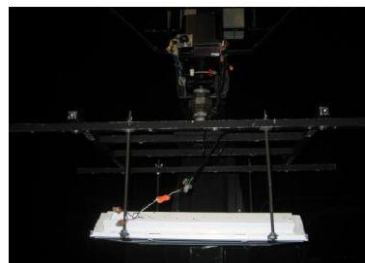
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22D3X-LP-20-L935  
Description: 2x2 D3X-LP AT 2000LM 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

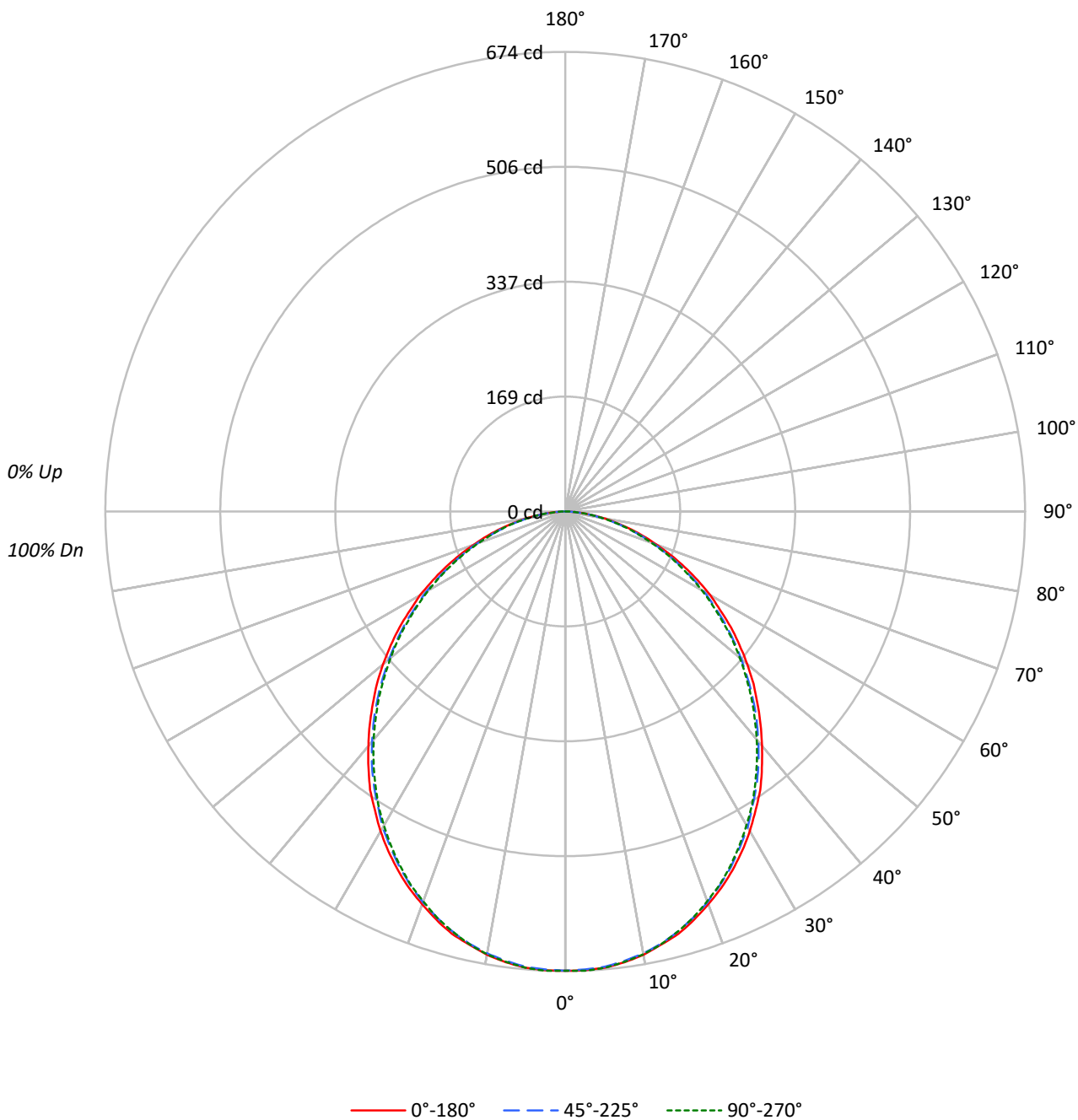
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1683.0 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 16.1  
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: 24 FT



TEST NUMBER: P601084  
CATALOG NUMBER: 22D3X-LP-20-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P601084  
 CATALOG NUMBER: 22D3X-LP-20-L935

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1812	1812	1812
5°	1814	1810	1814
10°	1804	1798	1802
15°	1787	1777	1777
20°	1756	1746	1742
25°	1723	1707	1701
30°	1682	1661	1651
35°	1637	1606	1596
40°	1577	1546	1534
45°	1517	1481	1468
50°	1458	1410	1399
55°	1391	1341	1322
60°	1321	1264	1245
65°	1230	1170	1158
70°	1124	1082	1056
75°	1025	963	969
80°	883	832	841
85°	682	664	621

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1517 cd/sqm



TEST NUMBER: P601084  
 CATALOG NUMBER: 22D3X-LP-20-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.6	3.8
10°-20°	179.9	10.7
20°-30°	264.9	15.7
30°-40°	306.5	18.2
40°-50°	301.3	17.9
50°-60°	256.8	15.3
60°-70°	184.0	10.9
70°-80°	99.9	5.9
80°-90°	26.1	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	508.4	30.2
0°-40°	814.9	48.4
0°-60°	1373.0	81.6
0°-90°	1683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	674	674	674	674	674	
5°	672	670	670	670	672	64
15°	641	639	638	637	638	181
25°	580	578	575	574	573	267
35°	498	494	489	486	486	311
45°	398	396	389	386	386	308
55°	296	291	286	282	282	265
65°	193	189	184	182	182	191
75°	99	95	93	91	93	104
85°	22	22	22	21	20	27
90°	0	0	0	0	0	



TEST NUMBER: P601084  
 CATALOG NUMBER: 22D3X-LP-20-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	673.5	673.5	673.5	673.5	673.5
2.5°	673.5	672.8	672.2	672.8	674.2
5°	671.5	670.1	670.1	670.1	671.5
7.5°	666.8	665.4	664.8	665.4	666.1
10°	660.1	658.7	658.1	658.7	659.4
12.5°	650.7	650.0	649.3	649.3	650.0
15°	641.3	638.6	637.9	637.3	637.9
17.5°	627.9	627.2	624.5	624.5	624.5
20°	613.1	611.8	609.8	608.4	608.4
22.5°	597.7	596.4	593.0	591.7	592.3
25°	580.3	577.6	574.9	573.5	572.9
27.5°	561.5	558.8	554.8	552.7	552.7
30°	541.3	539.3	534.6	532.0	531.3
32.5°	519.2	517.9	511.2	509.8	509.8
35°	498.4	494.4	489.0	486.3	485.7
37.5°	473.6	470.9	465.5	462.2	461.5
40°	448.8	445.4	440.1	437.4	436.7
42.5°	424.0	420.6	415.2	411.9	411.2
45°	398.5	395.8	389.1	385.7	385.7
47.5°	374.3	368.9	362.9	360.2	359.6
50°	348.2	343.5	336.7	334.1	334.1
52.5°	322.0	318.6	311.3	309.9	308.6
55°	296.5	291.1	285.8	282.4	281.7
57.5°	269.0	264.3	258.9	256.2	256.2
60°	245.5	239.5	234.8	231.4	231.4
62.5°	218.7	213.3	208.6	206.6	205.9
65°	193.2	189.2	183.8	181.8	181.8
67.5°	167.7	164.3	159.7	157.6	158.3
70°	142.9	140.9	137.5	134.8	134.2
72.5°	120.1	117.4	114.0	113.4	113.4
75°	98.6	95.3	92.6	91.2	93.2
77.5°	76.5	74.5	73.1	72.4	73.1
80°	57.0	54.3	53.7	54.3	54.3
82.5°	39.6	38.2	37.6	37.6	37.6
85°	22.1	22.1	21.5	20.8	20.1
87.5°	8.7	8.7	9.4	9.4	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)