

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: P995573

Luminaire Tested: 22D3X-LP-WD-80-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 12/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-WD-80-L927.ies
Description: 2x2 D3X-LP AT 8000LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

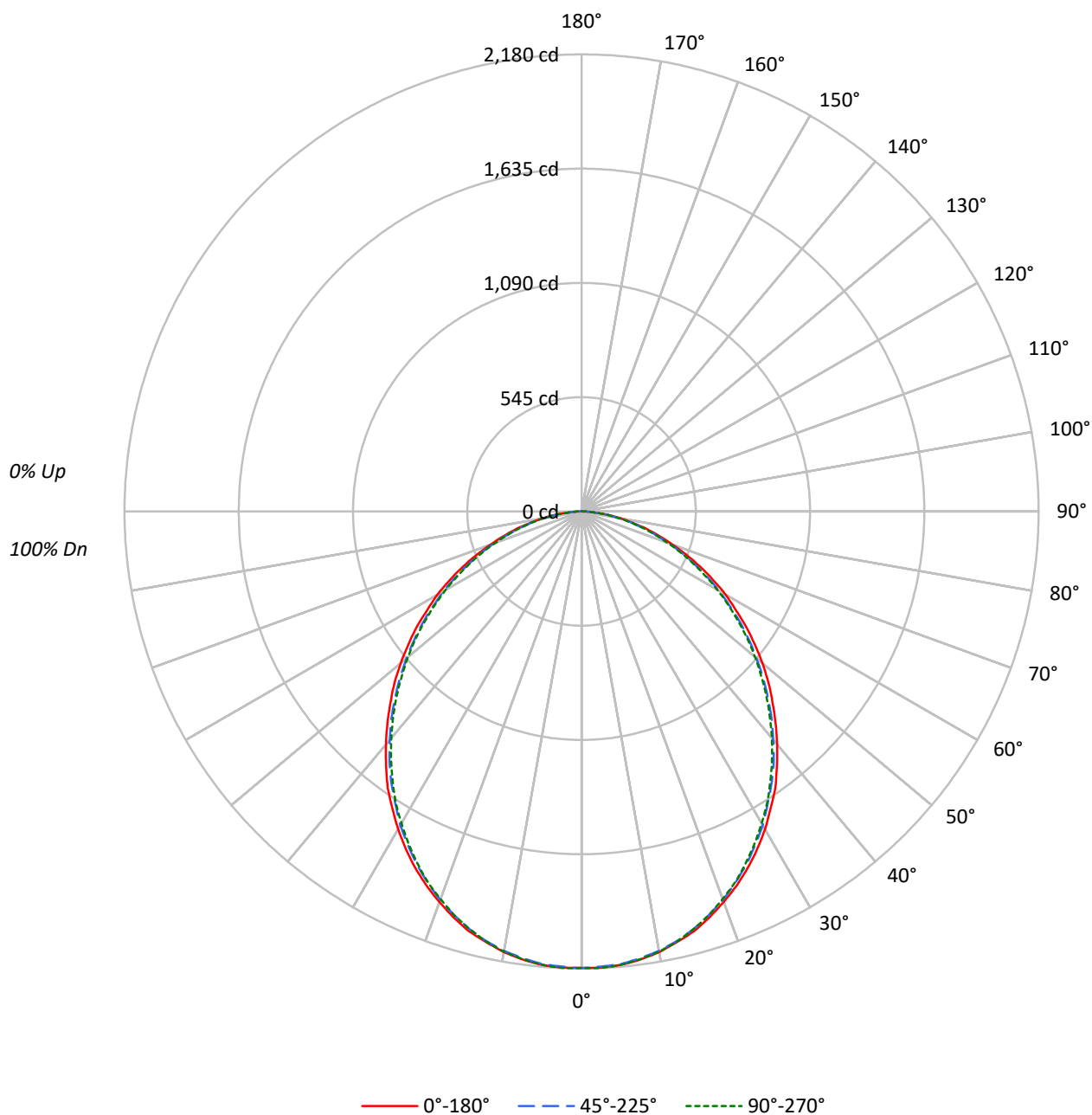
Lumens per Lamp: N/A
Luminaire Lumens: 5441.5 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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: P995573

CATALOG NUMBER: 22D3X-LP-WD-80-L927.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995573

CATALOG NUMBER: 22D3X-LP-WD-80-L927.ies

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5860	5860	5860
5°	5864	5853	5864
10°	5832	5814	5826
15°	5776	5746	5746
20°	5677	5646	5633
25°	5570	5519	5499
30°	5439	5371	5337
35°	5294	5194	5159
40°	5097	4998	4960
45°	4903	4787	4746
50°	4712	4558	4522
55°	4497	4335	4274
60°	4272	4085	4027
65°	3977	3784	3743
70°	3635	3498	3413
75°	3315	3112	3135
80°	2858	2689	2723
85°	2211	2143	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4903 cd/sqm

TEST NUMBER: P995573

CATALOG NUMBER: 22D3X-LP-WD-80-L927.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.7	3.8
10°-20°	581.6	10.7
20°-30°	856.6	15.7
30°-40°	990.9	18.2
40°-50°	974.2	17.9
50°-60°	830.2	15.3
60°-70°	594.9	10.9
70°-80°	323.1	5.9
80°-90°	84.3	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°	1643.9	30.2
0°-40°	2634.8	48.4
0°-60°	4439.2	81.6
0°-90°	5441.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5441.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2178	2178	2178	2178	2178	
5°	2171	2167	2167	2167	2171	206
15°	2073	2065	2063	2060	2063	584
25°	1876	1867	1859	1854	1852	864
35°	1612	1598	1581	1572	1570	1005
45°	1288	1280	1258	1247	1247	995
55°	959	941	924	913	911	856
65°	625	612	594	588	588	619
75°	319	308	299	295	302	337
85°	72	72	69	67	65	87
90°	0	0	0	0	0	

TEST NUMBER: P995573

CATALOG NUMBER: 22D3X-LP-WD-80-L927.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2177.6	2177.6	2177.6	2177.6	2177.6
2.5°	2177.6	2175.4	2173.2	2175.4	2179.7
5°	2171.0	2166.7	2166.7	2166.7	2171.0
7.5°	2155.9	2151.5	2149.4	2151.5	2153.7
10°	2134.2	2129.8	2127.7	2129.8	2132.0
12.5°	2103.8	2101.6	2099.5	2099.5	2101.6
15°	2073.4	2064.8	2062.6	2060.4	2062.6
17.5°	2030.1	2027.9	2019.2	2019.2	2019.2
20°	1982.4	1978.0	1971.5	1967.2	1967.2
22.5°	1932.5	1928.1	1917.3	1912.9	1915.1
25°	1876.1	1867.4	1858.7	1854.4	1852.2
27.5°	1815.3	1806.7	1793.7	1787.2	1787.2
30°	1750.3	1743.8	1728.6	1719.9	1717.7
32.5°	1678.7	1674.4	1652.7	1648.3	1648.3
35°	1611.5	1598.5	1581.1	1572.4	1570.3
37.5°	1531.2	1522.6	1505.2	1494.4	1492.2
40°	1451.0	1440.1	1422.8	1414.1	1411.9
42.5°	1370.7	1359.9	1342.5	1331.7	1329.5
45°	1288.3	1279.6	1257.9	1247.1	1247.1
47.5°	1210.2	1192.9	1173.4	1164.7	1162.5
50°	1125.6	1110.5	1088.8	1080.1	1080.1
52.5°	1041.1	1030.2	1006.4	1002.0	997.7
55°	958.6	941.3	923.9	913.1	910.9
57.5°	869.7	854.5	837.2	828.5	828.5
60°	793.8	774.3	759.1	748.3	748.3
62.5°	707.1	689.7	674.5	668.0	665.8
65°	624.6	611.6	594.3	587.8	587.8
67.5°	542.2	531.4	516.2	509.7	511.9
70°	462.0	455.5	444.6	435.9	433.8
72.5°	388.2	379.6	368.7	366.5	366.5
75°	318.8	308.0	299.3	295.0	301.5
77.5°	247.3	240.7	236.4	234.2	236.4
80°	184.4	175.7	173.5	175.7	175.7
82.5°	128.0	123.6	121.5	121.5	121.5
85°	71.6	71.6	69.4	67.2	65.1
87.5°	28.2	28.2	30.4	30.4	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)