

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: P995568

Luminaire Tested: 22D3X-LP-WD-70-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995568
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-70-L950.ies
Description: 2x2 D3X-LP AT 7000LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

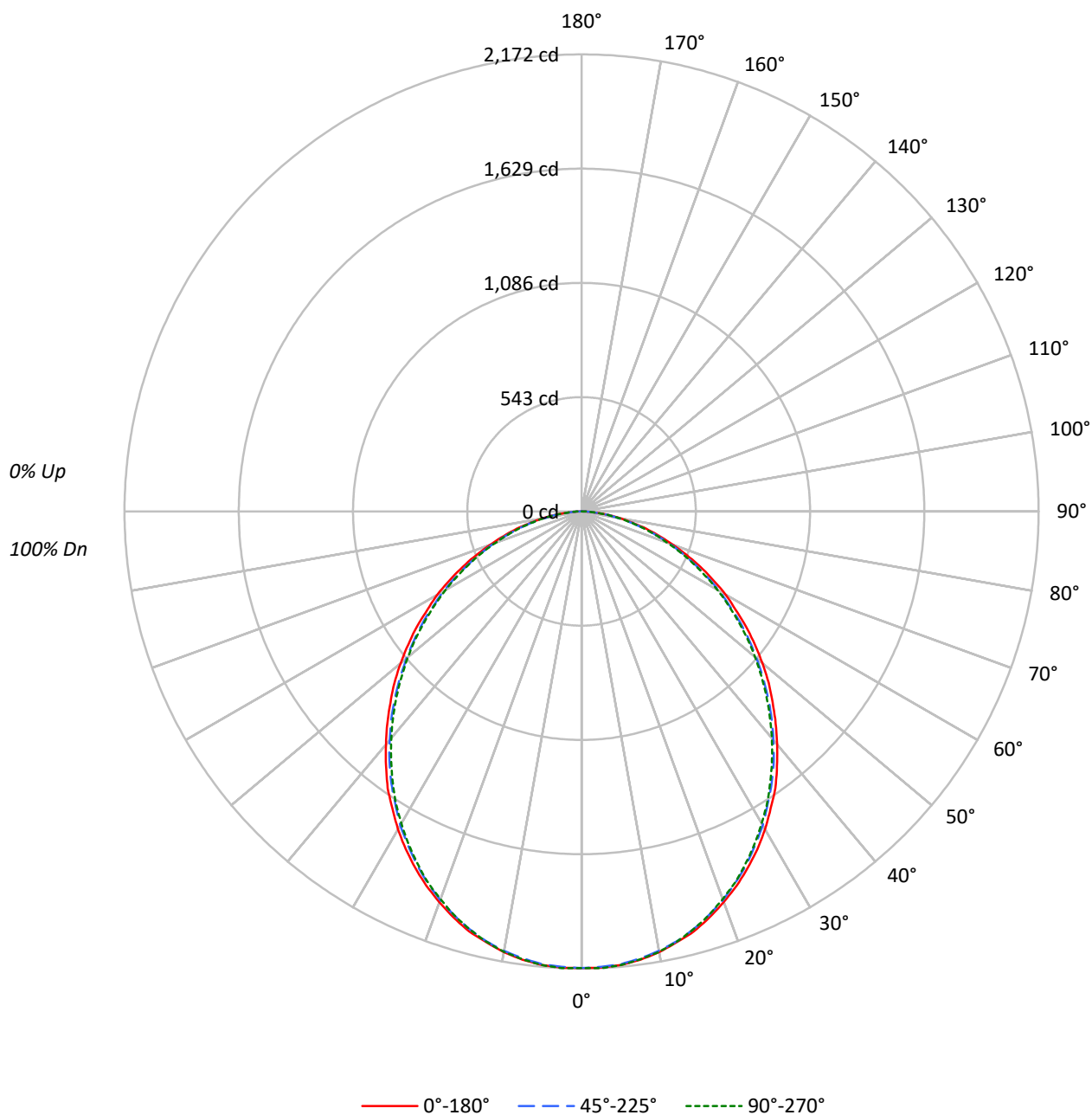
Lumens per Lamp: N/A
Luminaire Lumens: 5422.8 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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: 24 FT

TEST NUMBER: P995568

CATALOG NUMBER: 22D3X-LP-WD-70-L950.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995568

CATALOG NUMBER: 22D3X-LP-WD-70-L950.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°	5840	5840	5840
5°	5844	5833	5844
10°	5812	5794	5806
15°	5757	5726	5726
20°	5657	5627	5614
25°	5551	5500	5481
30°	5420	5353	5319
35°	5276	5176	5141
40°	5080	4981	4943
45°	4886	4771	4730
50°	4696	4542	4506
55°	4482	4320	4259
60°	4258	4071	4013
65°	3964	3771	3730
70°	3622	3486	3401
75°	3303	3101	3123
80°	2847	2679	2713
85°	2201	2137	2001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4886 cd/sqm

TEST NUMBER: P995568

CATALOG NUMBER: 22D3X-LP-WD-70-L950.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	3.8
10°-20°	579.6	10.7
20°-30°	853.7	15.7
30°-40°	987.5	18.2
40°-50°	970.8	17.9
50°-60°	827.4	15.3
60°-70°	592.8	10.9
70°-80°	322.0	5.9
80°-90°	84.0	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°	1638.3	30.2
0°-40°	2625.8	48.4
0°-60°	4424.0	81.6
0°-90°	5422.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5422.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2170	2170	2170	2170	2170	
5°	2164	2159	2159	2159	2164	205
15°	2066	2058	2056	2053	2056	582
25°	1870	1861	1852	1848	1846	861
35°	1606	1593	1576	1567	1565	1002
45°	1284	1275	1254	1243	1243	992
55°	955	938	921	910	908	853
65°	622	610	592	586	586	617
75°	318	307	298	294	300	336
85°	71	71	69	67	65	87
90°	0	0	0	0	0	

TEST NUMBER: P995568

CATALOG NUMBER: 22D3X-LP-WD-70-L950.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2170.1	2170.1	2170.1	2170.1	2170.1
2.5°	2170.1	2167.9	2165.8	2167.9	2172.3
5°	2163.6	2159.3	2159.3	2159.3	2163.6
7.5°	2148.5	2144.2	2142.0	2144.2	2146.3
10°	2126.9	2122.5	2120.4	2122.5	2124.7
12.5°	2096.6	2094.4	2092.3	2092.3	2094.4
15°	2066.3	2057.7	2055.5	2053.4	2055.5
17.5°	2023.1	2021.0	2012.3	2012.3	2012.3
20°	1975.6	1971.2	1964.8	1960.4	1960.4
22.5°	1925.9	1921.5	1910.7	1906.4	1908.6
25°	1869.7	1861.0	1852.4	1848.0	1845.9
27.5°	1809.1	1800.5	1787.5	1781.0	1781.0
30°	1744.3	1737.8	1722.7	1714.0	1711.9
32.5°	1673.0	1668.6	1647.0	1642.7	1642.7
35°	1606.0	1593.0	1575.7	1567.1	1564.9
37.5°	1526.0	1517.3	1500.0	1489.2	1487.1
40°	1446.0	1435.2	1417.9	1409.3	1407.1
42.5°	1366.0	1355.2	1337.9	1327.1	1325.0
45°	1283.9	1275.3	1253.6	1242.8	1242.8
47.5°	1206.1	1188.8	1169.3	1160.7	1158.5
50°	1121.8	1106.7	1085.0	1076.4	1076.4
52.5°	1037.5	1026.7	1002.9	998.6	994.3
55°	955.4	938.1	920.8	910.0	907.8
57.5°	866.7	851.6	834.3	825.7	825.7
60°	791.1	771.6	756.5	745.7	745.7
62.5°	704.6	687.3	672.2	665.7	663.6
65°	622.5	609.5	592.2	585.8	585.8
67.5°	540.4	529.6	514.4	507.9	510.1
70°	460.4	453.9	443.1	434.5	432.3
72.5°	386.9	378.3	367.4	365.3	365.3
75°	317.7	306.9	298.3	294.0	300.4
77.5°	246.4	239.9	235.6	233.4	235.6
80°	183.7	175.1	172.9	175.1	175.1
82.5°	127.5	123.2	121.0	121.0	121.0
85°	71.3	71.3	69.2	67.0	64.8
87.5°	28.1	28.1	30.3	30.3	32.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)