

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: P995496

Luminaire Tested: 22D3X-LP-WD-25-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995496
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-25-L950.ies
Description: 2x2 D3X-LP AT 2500LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

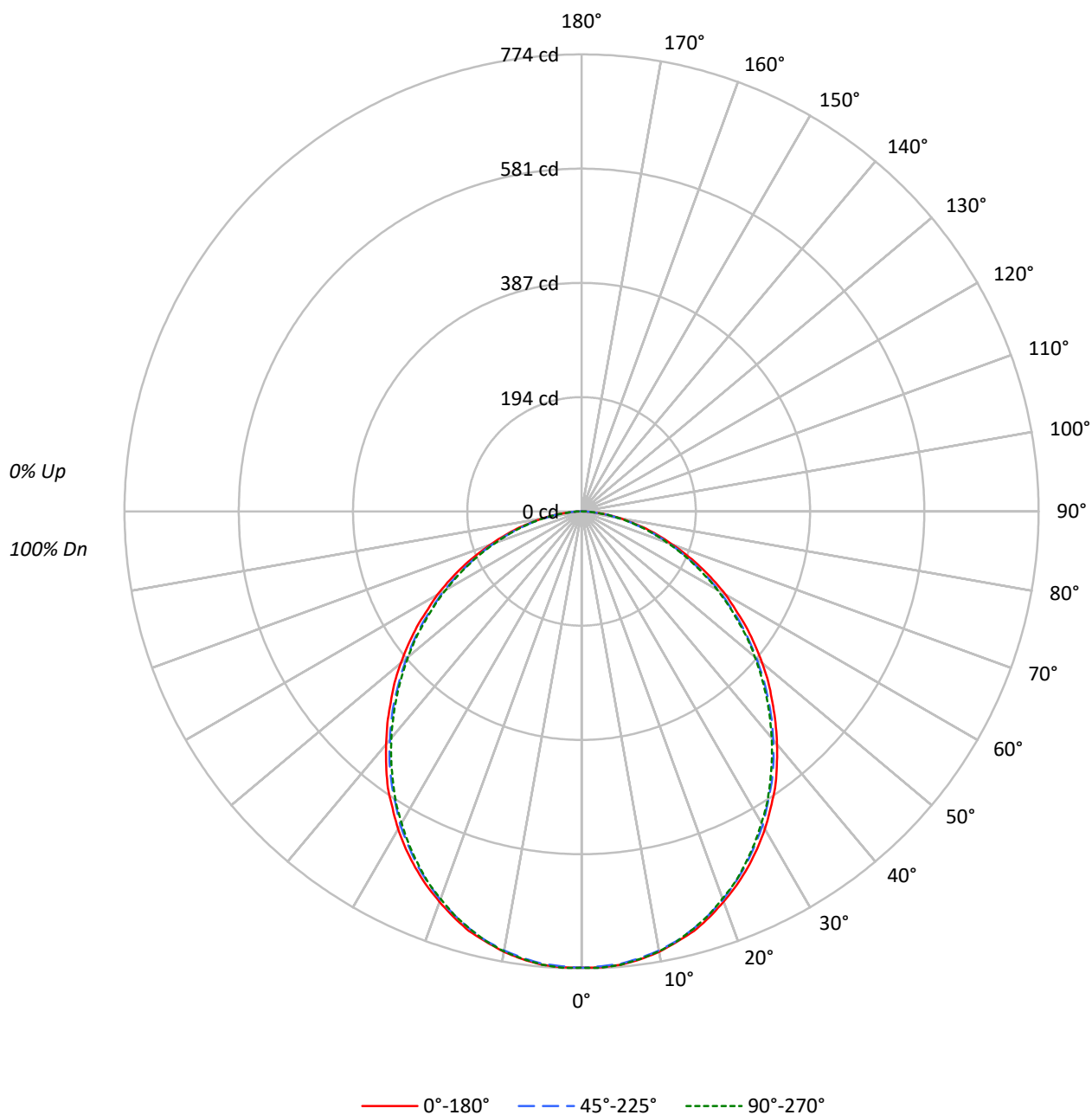
Lumens per Lamp: N/A
Luminaire Lumens: 1930.9 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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: P995496

CATALOG NUMBER: 22D3X-LP-WD-25-L950.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995496

CATALOG NUMBER: 22D3X-LP-WD-25-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°	2079	2079	2079
5°	2081	2077	2081
10°	2069	2063	2067
15°	2050	2039	2039
20°	2014	2003	1999
25°	1977	1958	1951
30°	1930	1906	1894
35°	1878	1843	1830
40°	1809	1774	1760
45°	1740	1699	1684
50°	1672	1617	1605
55°	1596	1538	1516
60°	1516	1450	1429
65°	1411	1343	1328
70°	1290	1242	1211
75°	1176	1104	1112
80°	1013	955	965
85°	784	760	713

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1740 cd/sqm

TEST NUMBER: P995496

CATALOG NUMBER: 22D3X-LP-WD-25-L950.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	3.8
10°-20°	206.4	10.7
20°-30°	304.0	15.7
30°-40°	351.6	18.2
40°-50°	345.7	17.9
50°-60°	294.6	15.3
60°-70°	211.1	10.9
70°-80°	114.6	5.9
80°-90°	29.9	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°	583.3	30.2
0°-40°	935.0	48.4
0°-60°	1575.2	81.6
0°-90°	1930.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1930.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	770	769	769	769	770	73
15°	736	733	732	731	732	207
25°	666	663	660	658	657	306
35°	572	567	561	558	557	357
45°	457	454	446	442	442	353
55°	340	334	328	324	323	304
65°	222	217	211	209	209	220
75°	113	109	106	105	107	119
85°	25	25	25	24	23	31
90°	0	0	0	0	0	

TEST NUMBER: P995496

CATALOG NUMBER: 22D3X-LP-WD-25-L950.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	772.7	772.7	772.7	772.7	772.7
2.5°	772.7	771.9	771.1	771.9	773.5
5°	770.4	768.8	768.8	768.8	770.4
7.5°	765.0	763.4	762.7	763.4	764.2
10°	757.3	755.8	755.0	755.8	756.5
12.5°	746.5	745.7	745.0	745.0	745.7
15°	735.7	732.7	731.9	731.1	731.9
17.5°	720.4	719.6	716.5	716.5	716.5
20°	703.4	701.9	699.6	698.0	698.0
22.5°	685.7	684.2	680.3	678.8	679.6
25°	665.7	662.6	659.6	658.0	657.2
27.5°	644.2	641.1	636.5	634.2	634.2
30°	621.1	618.8	613.4	610.3	609.5
32.5°	595.7	594.1	586.4	584.9	584.9
35°	571.8	567.2	561.0	558.0	557.2
37.5°	543.3	540.3	534.1	530.3	529.5
40°	514.9	511.0	504.9	501.8	501.0
42.5°	486.4	482.5	476.4	472.5	471.8
45°	457.1	454.1	446.4	442.5	442.5
47.5°	429.4	423.3	416.4	413.3	412.5
50°	399.4	394.0	386.3	383.3	383.3
52.5°	369.4	365.6	357.1	355.6	354.0
55°	340.2	334.0	327.9	324.0	323.2
57.5°	308.6	303.2	297.1	294.0	294.0
60°	281.7	274.7	269.4	265.5	265.5
62.5°	250.9	244.7	239.3	237.0	236.3
65°	221.6	217.0	210.9	208.6	208.6
67.5°	192.4	188.6	183.2	180.9	181.6
70°	163.9	161.6	157.8	154.7	153.9
72.5°	137.8	134.7	130.8	130.1	130.1
75°	113.1	109.3	106.2	104.7	107.0
77.5°	87.7	85.4	83.9	83.1	83.9
80°	65.4	62.3	61.6	62.3	62.3
82.5°	45.4	43.9	43.1	43.1	43.1
85°	25.4	25.4	24.6	23.9	23.1
87.5°	10.0	10.0	10.8	10.8	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)