

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: P995493

Luminaire Tested: 22D3X-LP-WD-25-L930.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995493
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-L930.ies
Description: 2x2 D3X-LP AT 2500LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

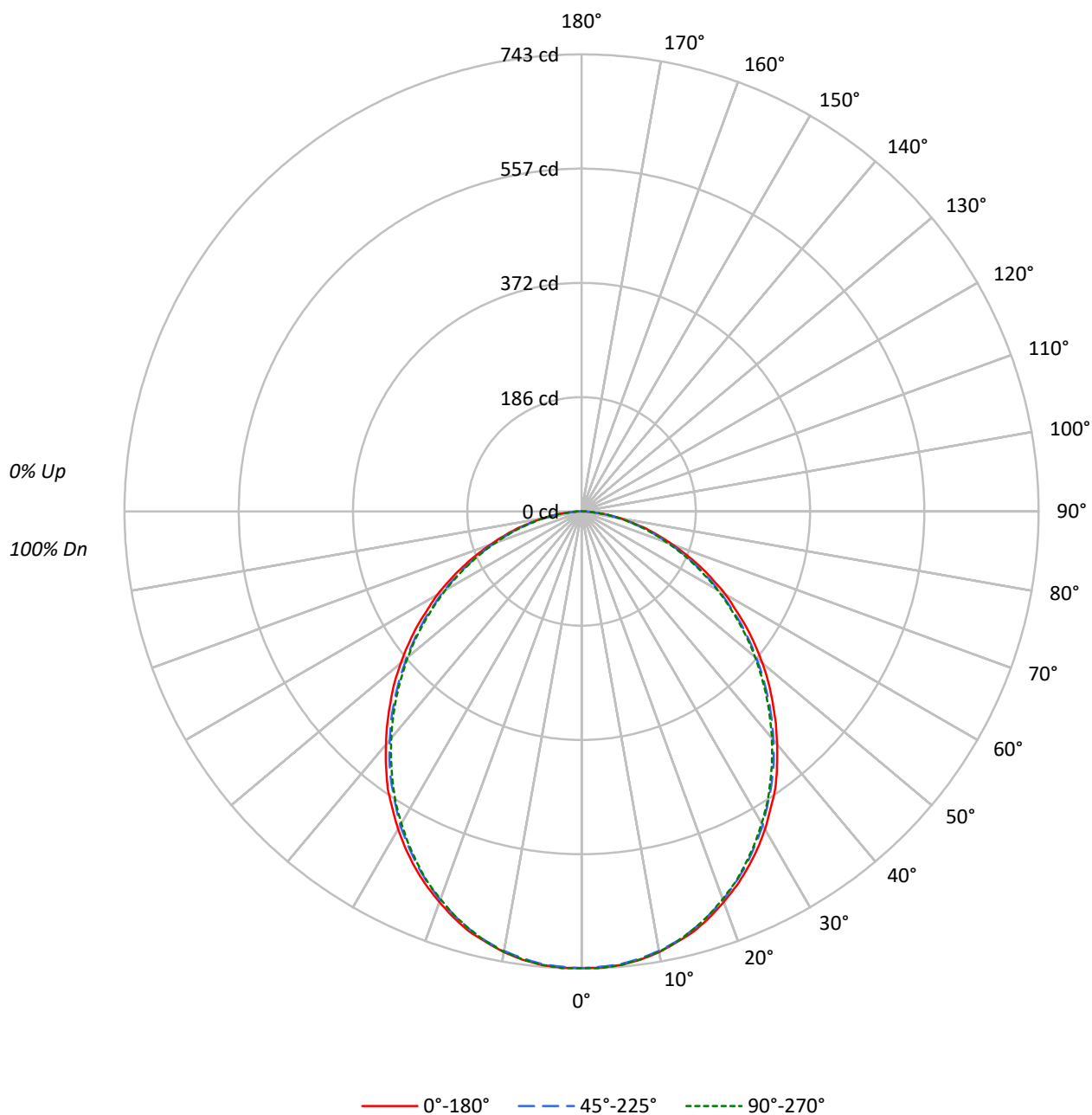
Lumens per Lamp: N/A
Luminaire Lumens: 1854.9 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P995493

CATALOG NUMBER: 22D3X-LP-WD-25-L930.ies

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					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°	1998	1998	1998
5°	1999	1995	1999
10°	1988	1982	1986
15°	1969	1959	1959
20°	1935	1924	1920
25°	1899	1881	1875
30°	1854	1831	1819
35°	1804	1771	1759
40°	1737	1704	1691
45°	1671	1632	1618
50°	1606	1554	1541
55°	1533	1478	1457
60°	1456	1393	1373
65°	1356	1290	1276
70°	1239	1193	1164
75°	1130	1061	1069
80°	973	916	928
85°	753	732	685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1671 cd/sqm

TEST NUMBER: P995493

CATALOG NUMBER: 22D3X-LP-WD-25-L930.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	3.8
10°-20°	198.3	10.7
20°-30°	292.0	15.7
30°-40°	337.8	18.2
40°-50°	332.1	17.9
50°-60°	283.0	15.3
60°-70°	202.8	10.9
70°-80°	110.1	5.9
80°-90°	28.7	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°	560.4	30.2
0°-40°	898.2	48.4
0°-60°	1513.3	81.6
0°-90°	1854.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1854.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	740	739	739	739	740	70
15°	707	704	703	702	703	199
25°	640	637	634	632	631	294
35°	549	545	539	536	535	343
45°	439	436	429	425	425	339
55°	327	321	315	311	310	292
65°	213	208	203	200	200	211
75°	109	105	102	100	103	115
85°	24	24	24	23	22	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.3	742.3	742.3	742.3	742.3
2.5°	742.3	741.5	740.8	741.5	743.0
5°	740.1	738.6	738.6	738.6	740.1
7.5°	734.9	733.4	732.7	733.4	734.2
10°	727.5	726.0	725.3	726.0	726.8
12.5°	717.1	716.4	715.7	715.7	716.4
15°	706.8	703.8	703.1	702.4	703.1
17.5°	692.0	691.3	688.3	688.3	688.3
20°	675.7	674.3	672.0	670.6	670.6
22.5°	658.7	657.3	653.6	652.1	652.8
25°	639.5	636.6	633.6	632.1	631.4
27.5°	618.8	615.9	611.4	609.2	609.2
30°	596.6	594.4	589.2	586.3	585.5
32.5°	572.2	570.8	563.4	561.9	561.9
35°	549.3	544.9	539.0	536.0	535.3
37.5°	522.0	519.0	513.1	509.4	508.7
40°	494.6	490.9	485.0	482.0	481.3
42.5°	467.3	463.6	457.6	453.9	453.2
45°	439.2	436.2	428.8	425.1	425.1
47.5°	412.5	406.6	400.0	397.0	396.3
50°	383.7	378.5	371.1	368.2	368.2
52.5°	354.9	351.2	343.0	341.6	340.1
55°	326.8	320.9	315.0	311.3	310.5
57.5°	296.5	291.3	285.4	282.4	282.4
60°	270.6	263.9	258.8	255.1	255.1
62.5°	241.0	235.1	229.9	227.7	227.0
65°	212.9	208.5	202.6	200.4	200.4
67.5°	184.8	181.1	176.0	173.7	174.5
70°	157.5	155.3	151.6	148.6	147.9
72.5°	132.3	129.4	125.7	124.9	124.9
75°	108.7	105.0	102.0	100.5	102.8
77.5°	84.3	82.1	80.6	79.8	80.6
80°	62.8	59.9	59.1	59.9	59.9
82.5°	43.6	42.1	41.4	41.4	41.4
85°	24.4	24.4	23.7	22.9	22.2
87.5°	9.6	9.6	10.4	10.4	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)