

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: P995492

Luminaire Tested: 22D3X-LP-WD-25-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995492
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-L927.ies
Description: 2x2 D3X-LP AT 2500LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

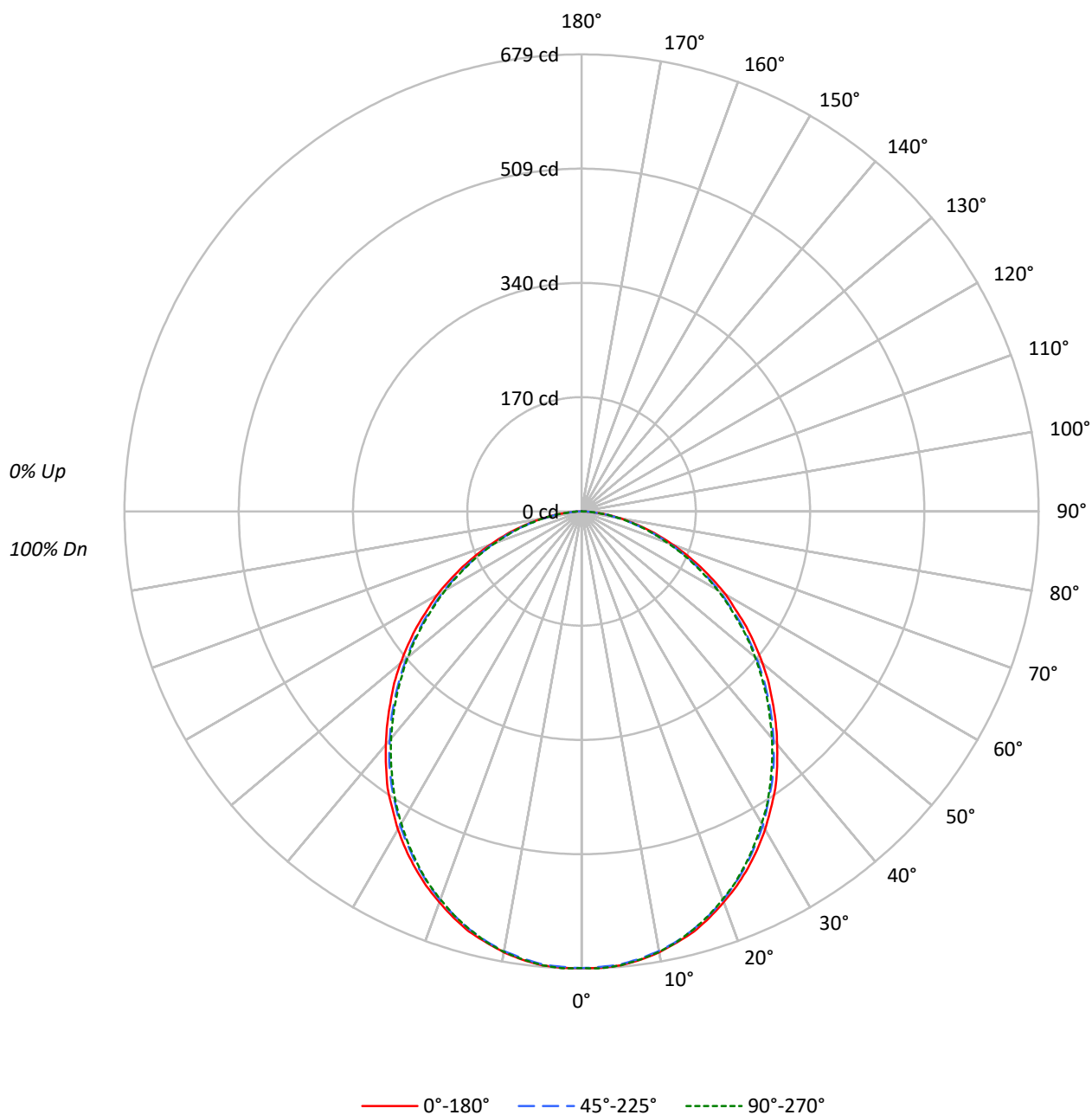
Lumens per Lamp: N/A
Luminaire Lumens: 1695.9 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P995492

CATALOG NUMBER: 22D3X-LP-WD-25-L927.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°	1826	1826	1826
5°	1828	1824	1828
10°	1817	1812	1815
15°	1800	1791	1791
20°	1769	1759	1756
25°	1736	1720	1714
30°	1695	1674	1663
35°	1650	1619	1608
40°	1588	1558	1546
45°	1528	1492	1479
50°	1469	1420	1409
55°	1402	1351	1332
60°	1331	1273	1255
65°	1240	1179	1167
70°	1133	1090	1064
75°	1033	970	977
80°	891	838	849
85°	689	667	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1528 cd/sqm

TEST NUMBER: P995492

CATALOG NUMBER: 22D3X-LP-WD-25-L927.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	3.8
10°-20°	181.3	10.7
20°-30°	267.0	15.7
30°-40°	308.8	18.2
40°-50°	303.6	17.9
50°-60°	258.7	15.3
60°-70°	185.4	10.9
70°-80°	100.7	5.9
80°-90°	26.3	1.6
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°	512.3	30.2
0°-40°	821.2	48.4
0°-60°	1383.5	81.6
0°-90°	1695.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1695.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	677	675	675	675	677	64
15°	646	644	643	642	643	182
25°	585	582	579	578	577	269
35°	502	498	493	490	489	313
45°	402	399	392	389	389	310
55°	299	293	288	285	284	267
65°	195	191	185	183	183	193
75°	99	96	93	92	94	105
85°	22	22	22	21	20	27
90°	0	0	0	0	0	

TEST NUMBER: P995492

CATALOG NUMBER: 22D3X-LP-WD-25-L927.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	678.6	678.6	678.6	678.6	678.6
2.5°	678.6	678.0	677.3	678.0	679.3
5°	676.6	675.3	675.3	675.3	676.6
7.5°	671.9	670.5	669.8	670.5	671.2
10°	665.1	663.8	663.1	663.8	664.4
12.5°	655.7	655.0	654.3	654.3	655.0
15°	646.2	643.5	642.8	642.1	642.8
17.5°	632.7	632.0	629.3	629.3	629.3
20°	617.8	616.5	614.4	613.1	613.1
22.5°	602.3	600.9	597.5	596.2	596.8
25°	584.7	582.0	579.3	577.9	577.2
27.5°	565.8	563.1	559.0	557.0	557.0
30°	545.5	543.5	538.7	536.0	535.3
32.5°	523.2	521.8	515.1	513.7	513.7
35°	502.2	498.2	492.8	490.1	489.4
37.5°	477.2	474.5	469.1	465.7	465.0
40°	452.2	448.8	443.4	440.7	440.0
42.5°	427.2	423.8	418.4	415.0	414.3
45°	401.5	398.8	392.0	388.7	388.7
47.5°	377.2	371.8	365.7	363.0	362.3
50°	350.8	346.1	339.3	336.6	336.6
52.5°	324.4	321.1	313.6	312.3	310.9
55°	298.8	293.4	287.9	284.6	283.9
57.5°	271.0	266.3	260.9	258.2	258.2
60°	247.4	241.3	236.6	233.2	233.2
62.5°	220.4	214.9	210.2	208.2	207.5
65°	194.7	190.6	185.2	183.2	183.2
67.5°	169.0	165.6	160.9	158.8	159.5
70°	144.0	141.9	138.6	135.9	135.2
72.5°	121.0	118.3	114.9	114.2	114.2
75°	99.4	96.0	93.3	91.9	94.0
77.5°	77.1	75.0	73.7	73.0	73.7
80°	57.5	54.8	54.1	54.8	54.8
82.5°	39.9	38.5	37.9	37.9	37.9
85°	22.3	22.3	21.6	21.0	20.3
87.5°	8.8	8.8	9.5	9.5	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)