

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: P995564

Luminaire Tested: 22D3X-LP-WD-70-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995564
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-L927.ies
Description: 2x2 D3X-LP AT 7000LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

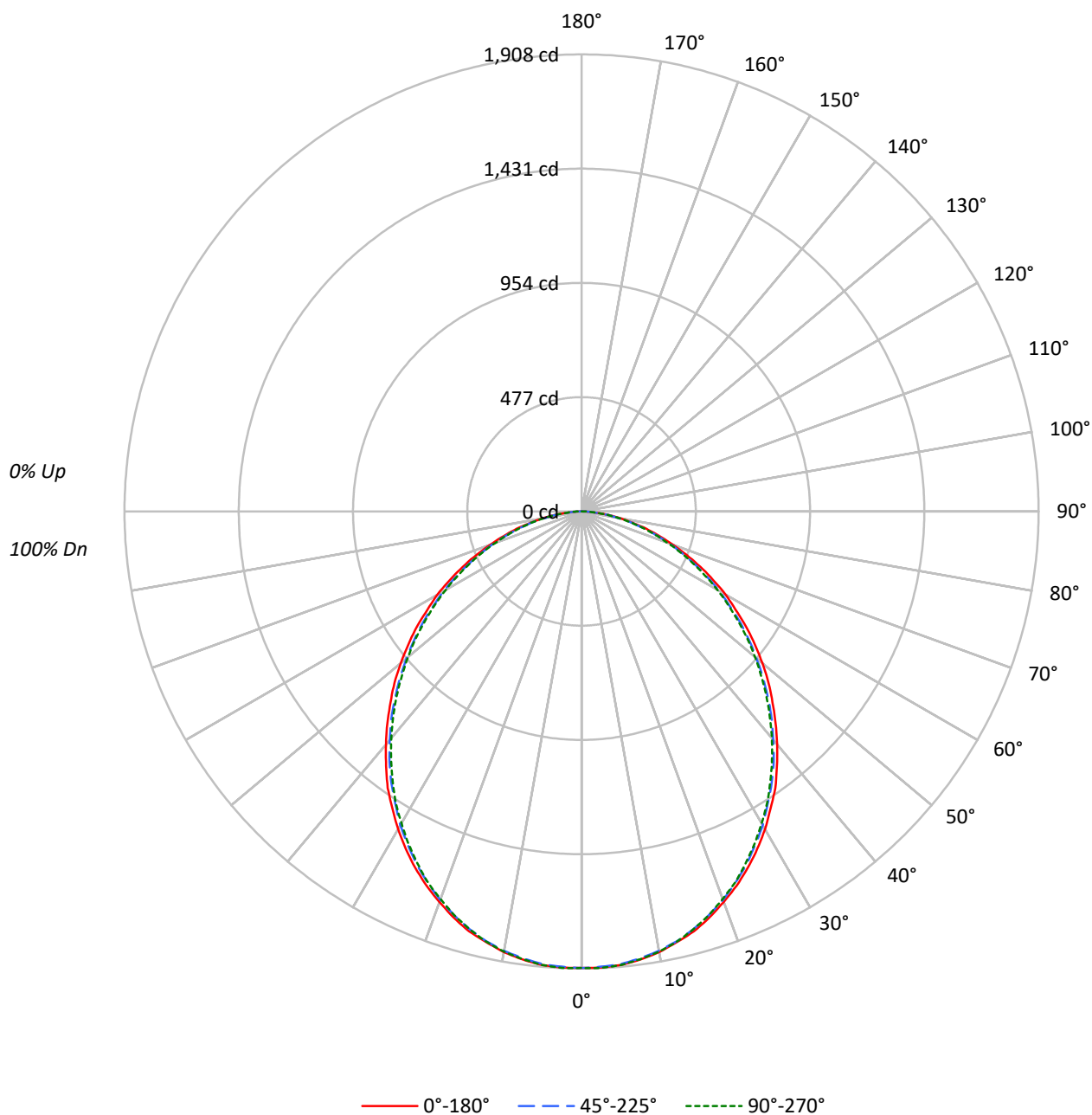
Lumens per Lamp: N/A
Luminaire Lumens: 4762.8 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P995564

CATALOG NUMBER: 22D3X-LP-WD-70-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°	5129	5129	5129
5°	5133	5123	5133
10°	5104	5089	5099
15°	5056	5030	5030
20°	4969	4942	4931
25°	4876	4831	4814
30°	4760	4701	4672
35°	4634	4546	4515
40°	4461	4375	4341
45°	4291	4190	4154
50°	4125	3990	3958
55°	3937	3794	3741
60°	3739	3576	3525
65°	3481	3312	3276
70°	3182	3062	2987
75°	2902	2724	2744
80°	2501	2354	2383
85°	1933	1874	1760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4291 cd/sqm

TEST NUMBER: P995564

CATALOG NUMBER: 22D3X-LP-WD-70-L927.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	3.8
10°-20°	509.1	10.7
20°-30°	749.8	15.7
30°-40°	867.3	18.2
40°-50°	852.7	17.9
50°-60°	726.7	15.3
60°-70°	520.7	10.9
70°-80°	282.8	5.9
80°-90°	73.8	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°	1438.9	30.2
0°-40°	2306.2	48.4
0°-60°	3885.6	81.6
0°-90°	4762.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4762.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1906	1906	1906	1906	1906	
5°	1900	1896	1896	1896	1900	180
15°	1815	1807	1805	1804	1805	511
25°	1642	1634	1627	1623	1621	756
35°	1410	1399	1384	1376	1374	880
45°	1128	1120	1101	1092	1092	871
55°	839	824	809	799	797	749
65°	547	535	520	514	514	542
75°	279	270	262	258	264	295
85°	63	63	61	59	57	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1906.0	1906.0	1906.0	1906.0	1906.0
2.5°	1906.0	1904.1	1902.2	1904.1	1907.9
5°	1900.3	1896.5	1896.5	1896.5	1900.3
7.5°	1887.0	1883.2	1881.3	1883.2	1885.1
10°	1868.0	1864.2	1862.3	1864.2	1866.1
12.5°	1841.4	1839.5	1837.6	1837.6	1839.5
15°	1814.8	1807.3	1805.4	1803.5	1805.4
17.5°	1776.9	1775.0	1767.4	1767.4	1767.4
20°	1735.1	1731.3	1725.6	1721.8	1721.8
22.5°	1691.5	1687.7	1678.2	1674.4	1676.3
25°	1642.1	1634.5	1626.9	1623.1	1621.2
27.5°	1588.9	1581.3	1570.0	1564.3	1564.3
30°	1532.0	1526.3	1513.0	1505.4	1503.5
32.5°	1469.3	1465.5	1446.6	1442.8	1442.8
35°	1410.5	1399.1	1383.9	1376.3	1374.4
37.5°	1340.3	1332.7	1317.5	1308.0	1306.1
40°	1270.0	1260.5	1245.3	1237.7	1235.8
42.5°	1199.8	1190.3	1175.1	1165.6	1163.7
45°	1127.6	1120.0	1101.1	1091.6	1091.6
47.5°	1059.3	1044.1	1027.0	1019.4	1017.5
50°	985.3	972.0	953.0	945.4	945.4
52.5°	911.2	901.7	880.8	877.0	873.3
55°	839.1	823.9	808.7	799.2	797.3
57.5°	761.2	748.0	732.8	725.2	725.2
60°	694.8	677.7	664.4	654.9	654.9
62.5°	618.9	603.7	590.4	584.7	582.8
65°	546.7	535.3	520.2	514.5	514.5
67.5°	474.6	465.1	451.8	446.1	448.0
70°	404.4	398.7	389.2	381.6	379.7
72.5°	339.8	332.2	322.7	320.8	320.8
75°	279.1	269.6	262.0	258.2	263.9
77.5°	216.4	210.7	206.9	205.0	206.9
80°	161.4	153.8	151.9	153.8	153.8
82.5°	112.0	108.2	106.3	106.3	106.3
85°	62.6	62.6	60.7	58.8	57.0
87.5°	24.7	24.7	26.6	26.6	28.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)