

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: P995539

Luminaire Tested: 22D3X-LP-WD-50-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995539
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-50-L935.ies
Description: 2x2 D3X-LP AT 5000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

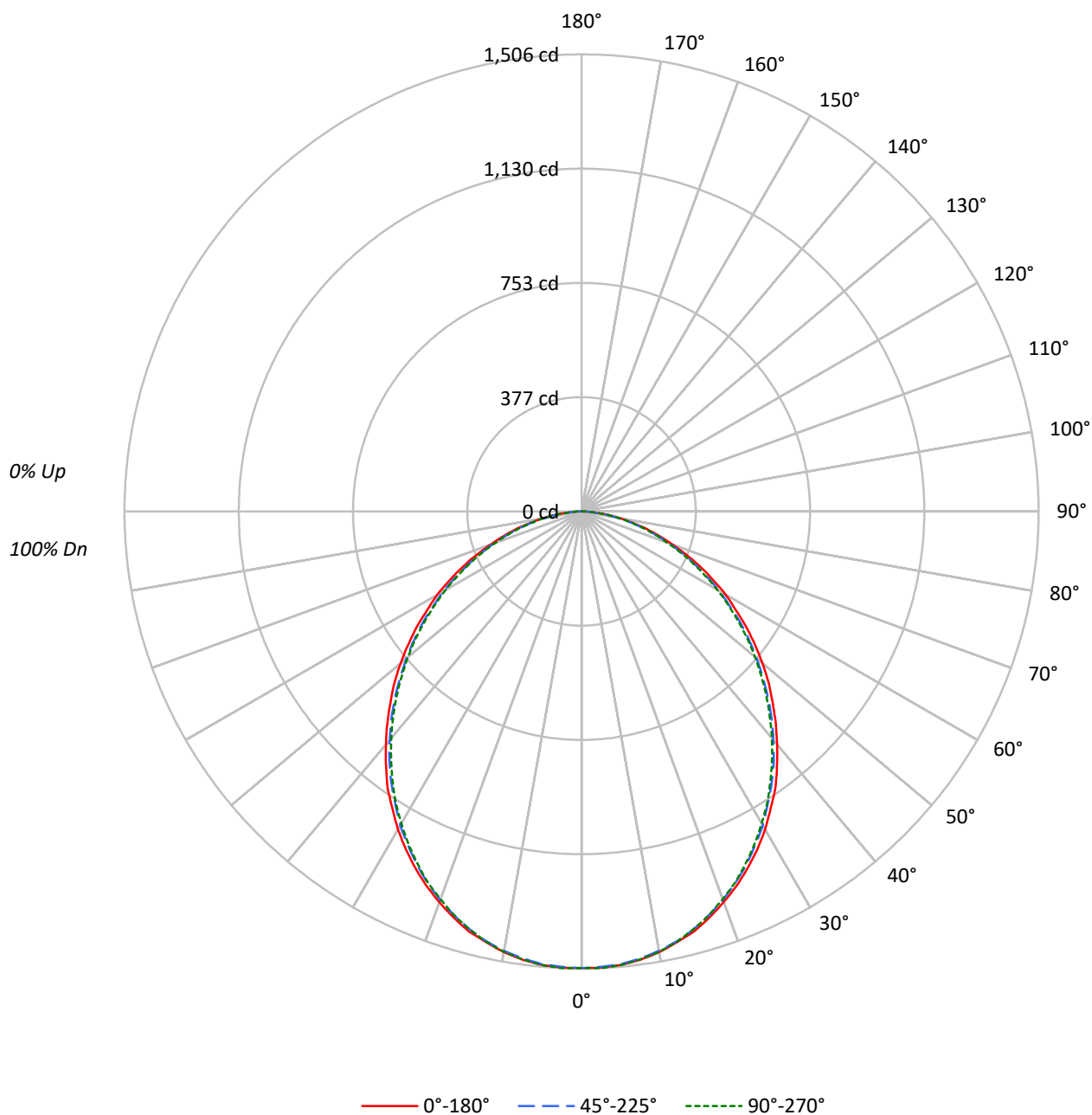
Lumens per Lamp: N/A
Luminaire Lumens: 3760.2 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
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: P995539

CATALOG NUMBER: 22D3X-LP-WD-50-L935.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°	4049	4049	4049
5°	4052	4044	4052
10°	4030	4018	4026
15°	3992	3971	3971
20°	3923	3901	3893
25°	3849	3814	3800
30°	3758	3712	3688
35°	3658	3589	3565
40°	3522	3454	3427
45°	3388	3308	3280
50°	3256	3150	3125
55°	3108	2996	2953
60°	2952	2823	2783
65°	2748	2615	2586
70°	2511	2417	2358
75°	2290	2150	2166
80°	1974	1858	1881
85°	1528	1482	1389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3388 cd/sqm

TEST NUMBER: P995539

CATALOG NUMBER: 22D3X-LP-WD-50-L935.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	3.8
10°-20°	401.9	10.7
20°-30°	591.9	15.7
30°-40°	684.7	18.2
40°-50°	673.2	17.9
50°-60°	573.7	15.3
60°-70°	411.1	10.9
70°-80°	223.3	5.9
80°-90°	58.3	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°	1136.0	30.2
0°-40°	1820.7	48.4
0°-60°	3067.6	81.6
0°-90°	3760.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3760.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1505	1505	1505	1505	1505	
5°	1500	1497	1497	1497	1500	142
15°	1433	1427	1425	1424	1425	403
25°	1296	1290	1284	1281	1280	597
35°	1114	1105	1093	1087	1085	694
45°	890	884	869	862	862	688
55°	662	650	638	631	630	591
65°	432	423	411	406	406	428
75°	220	213	207	204	208	233
85°	50	50	48	46	45	60
90°	0	0	0	0	0	

TEST NUMBER: P995539

CATALOG NUMBER: 22D3X-LP-WD-50-L935.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1504.7	1504.7	1504.7	1504.7	1504.7
2.5°	1504.7	1503.2	1501.7	1503.2	1506.2
5°	1500.2	1497.2	1497.2	1497.2	1500.2
7.5°	1489.8	1486.8	1485.3	1486.8	1488.3
10°	1474.8	1471.8	1470.3	1471.8	1473.3
12.5°	1453.8	1452.3	1450.8	1450.8	1452.3
15°	1432.8	1426.8	1425.3	1423.8	1425.3
17.5°	1402.8	1401.3	1395.3	1395.3	1395.3
20°	1369.9	1366.9	1362.4	1359.4	1359.4
22.5°	1335.4	1332.4	1324.9	1321.9	1323.4
25°	1296.4	1290.4	1284.4	1281.4	1279.9
27.5°	1254.4	1248.5	1239.5	1235.0	1235.0
30°	1209.5	1205.0	1194.5	1188.5	1187.0
32.5°	1160.0	1157.0	1142.0	1139.0	1139.0
35°	1113.6	1104.6	1092.6	1086.6	1085.1
37.5°	1058.1	1052.1	1040.1	1032.6	1031.1
40°	1002.7	995.2	983.2	977.2	975.7
42.5°	947.2	939.7	927.7	920.2	918.7
45°	890.3	884.3	869.3	861.8	861.8
47.5°	836.3	824.3	810.8	804.8	803.3
50°	777.8	767.4	752.4	746.4	746.4
52.5°	719.4	711.9	695.4	692.4	689.4
55°	662.4	650.5	638.5	631.0	629.5
57.5°	601.0	590.5	578.5	572.5	572.5
60°	548.5	535.1	524.6	517.1	517.1
62.5°	488.6	476.6	466.1	461.6	460.1
65°	431.6	422.6	410.7	406.2	406.2
67.5°	374.7	367.2	356.7	352.2	353.7
70°	319.2	314.7	307.2	301.2	299.7
72.5°	268.3	262.3	254.8	253.3	253.3
75°	220.3	212.8	206.8	203.8	208.3
77.5°	170.9	166.4	163.4	161.9	163.4
80°	127.4	121.4	119.9	121.4	121.4
82.5°	88.4	85.4	83.9	83.9	83.9
85°	49.5	49.5	48.0	46.5	45.0
87.5°	19.5	19.5	21.0	21.0	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)