

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: P995530

Luminaire Tested: 22D3X-LP-WD-45-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995530
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-45-L935.ies
Description: 2x2 D3X-LP AT 4500LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

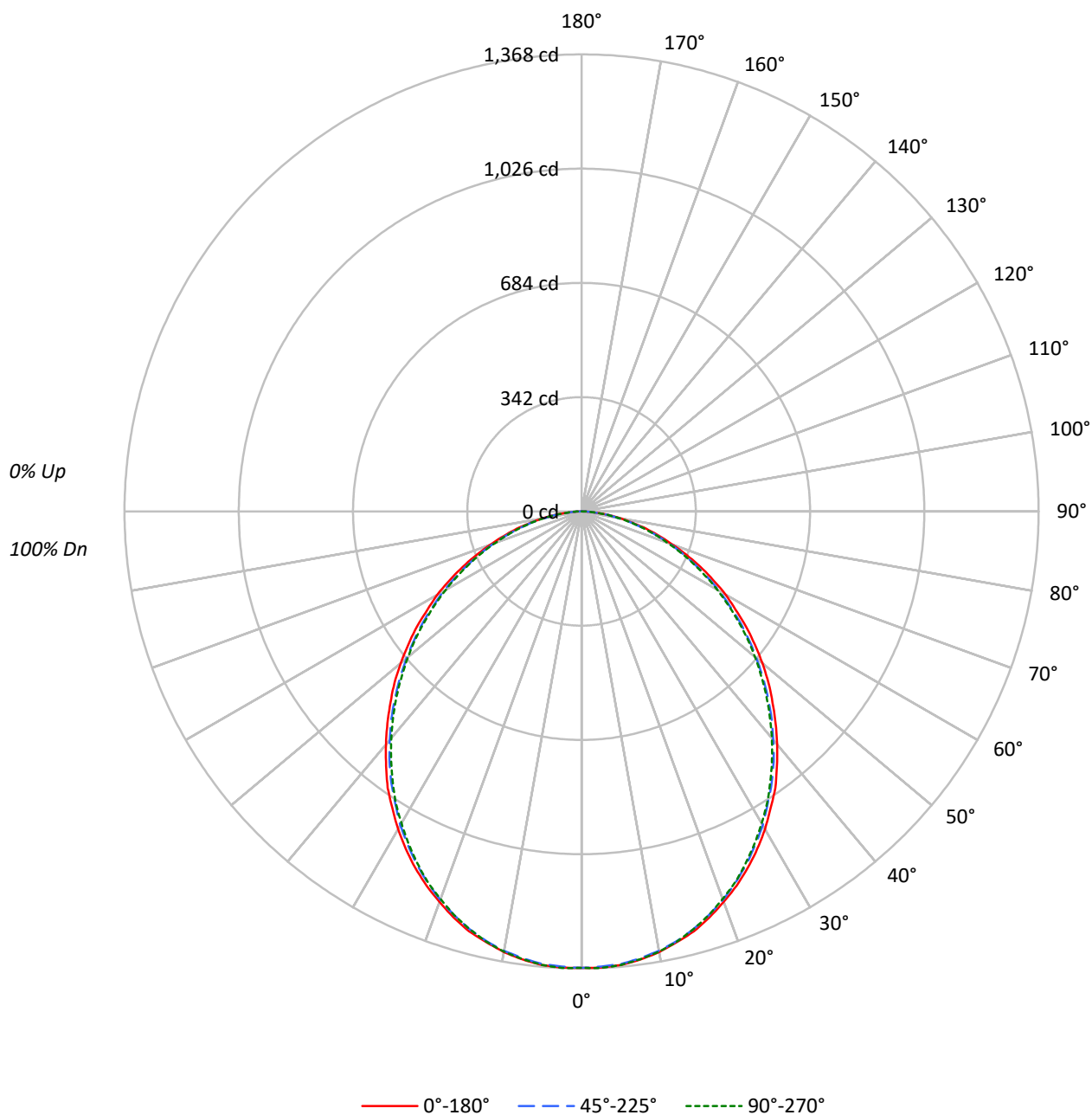
Lumens per Lamp: N/A
Luminaire Lumens: 3414.6 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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: P995530

CATALOG NUMBER: 22D3X-LP-WD-45-L935.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995530

CATALOG NUMBER: 22D3X-LP-WD-45-L935.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°	3677	3677	3677
5°	3680	3673	3680
10°	3659	3648	3656
15°	3625	3606	3606
20°	3562	3543	3535
25°	3496	3463	3451
30°	3413	3370	3349
35°	3322	3259	3237
40°	3198	3136	3112
45°	3076	3004	2978
50°	2957	2860	2838
55°	2822	2720	2682
60°	2681	2563	2527
65°	2496	2374	2348
70°	2281	2195	2142
75°	2080	1953	1967
80°	1793	1688	1708
85°	1386	1346	1260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3076 cd/sqm

TEST NUMBER: P995530

CATALOG NUMBER: 22D3X-LP-WD-45-L935.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.1	3.8
10°-20°	365.0	10.7
20°-30°	537.5	15.7
30°-40°	621.8	18.2
40°-50°	611.3	17.9
50°-60°	521.0	15.3
60°-70°	373.3	10.9
70°-80°	202.7	5.9
80°-90°	52.9	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°	1031.6	30.2
0°-40°	1653.4	48.4
0°-60°	2785.7	81.6
0°-90°	3414.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3414.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1366	1366	1366	1366	1366	
5°	1362	1360	1360	1360	1362	129
15°	1301	1296	1294	1293	1294	366
25°	1177	1172	1166	1164	1162	542
35°	1011	1003	992	987	985	631
45°	808	803	789	783	783	624
55°	602	591	580	573	572	537
65°	392	384	373	369	369	388
75°	200	193	188	185	189	211
85°	45	45	44	42	41	55
90°	0	0	0	0	0	

TEST NUMBER: P995530

CATALOG NUMBER: 22D3X-LP-WD-45-L935.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1366.4	1366.4	1366.4	1366.4	1366.4
2.5°	1366.4	1365.1	1363.7	1365.1	1367.8
5°	1362.4	1359.6	1359.6	1359.6	1362.4
7.5°	1352.8	1350.1	1348.7	1350.1	1351.5
10°	1339.2	1336.5	1335.1	1336.5	1337.9
12.5°	1320.2	1318.8	1317.4	1317.4	1318.8
15°	1301.1	1295.7	1294.3	1292.9	1294.3
17.5°	1273.9	1272.5	1267.1	1267.1	1267.1
20°	1243.9	1241.2	1237.1	1234.4	1234.4
22.5°	1212.6	1209.9	1203.1	1200.4	1201.8
25°	1177.3	1171.8	1166.4	1163.6	1162.3
27.5°	1139.2	1133.7	1125.5	1121.5	1121.5
30°	1098.3	1094.2	1084.7	1079.3	1077.9
32.5°	1053.4	1050.7	1037.1	1034.4	1034.4
35°	1011.2	1003.1	992.2	986.7	985.4
37.5°	960.9	955.4	944.5	937.7	936.4
40°	910.5	903.7	892.8	887.4	886.0
42.5°	860.1	853.3	842.5	835.7	834.3
45°	808.4	803.0	789.4	782.6	782.6
47.5°	759.4	748.5	736.3	730.9	729.5
50°	706.4	696.8	683.2	677.8	677.8
52.5°	653.3	646.5	631.5	628.8	626.1
55°	601.6	590.7	579.8	573.0	571.6
57.5°	545.8	536.2	525.3	519.9	519.9
60°	498.1	485.9	476.3	469.5	469.5
62.5°	443.7	432.8	423.3	419.2	417.8
65°	392.0	383.8	372.9	368.8	368.8
67.5°	340.2	333.4	323.9	319.8	321.2
70°	289.9	285.8	279.0	273.6	272.2
72.5°	243.6	238.2	231.4	230.0	230.0
75°	200.1	193.3	187.8	185.1	189.2
77.5°	155.2	151.1	148.3	147.0	148.3
80°	115.7	110.2	108.9	110.2	110.2
82.5°	80.3	77.6	76.2	76.2	76.2
85°	44.9	44.9	43.6	42.2	40.8
87.5°	17.7	17.7	19.1	19.1	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)