

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: P995511

Luminaire Tested: 22D3X-LP-WD-35-L930.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995511
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-35-L930.ies
Description: 2x2 D3X-LP AT 3500LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

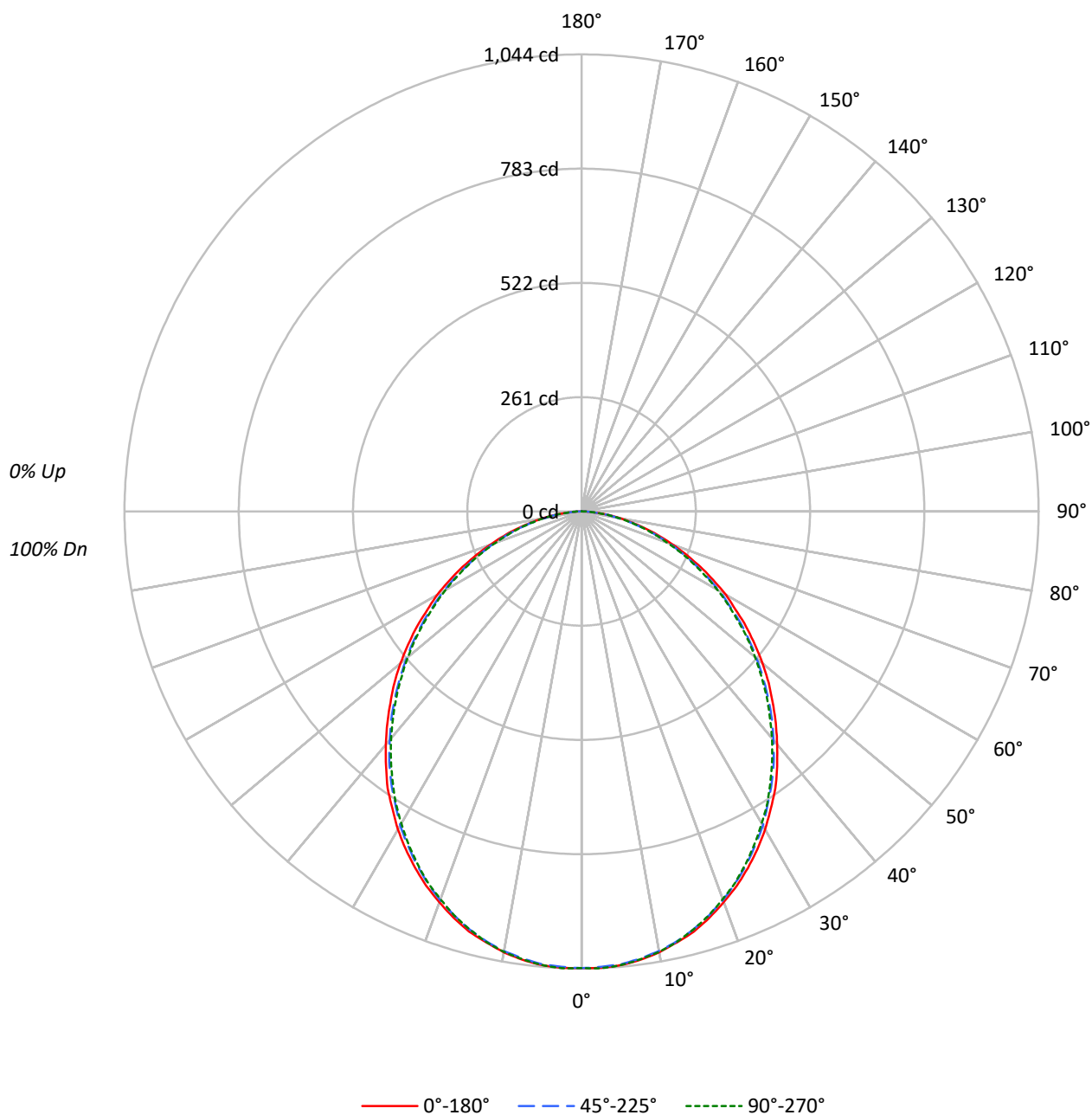
Lumens per Lamp: N/A
Luminaire Lumens: 2607.3 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P995511

CATALOG NUMBER: 22D3X-LP-WD-35-L930.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995511

CATALOG NUMBER: 22D3X-LP-WD-35-L930.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°	2808	2808	2808
5°	2810	2804	2810
10°	2794	2786	2792
15°	2768	2753	2753
20°	2720	2705	2699
25°	2669	2644	2635
30°	2606	2574	2558
35°	2536	2489	2472
40°	2442	2395	2376
45°	2349	2294	2274
50°	2258	2184	2166
55°	2155	2077	2048
60°	2047	1957	1929
65°	1906	1813	1793
70°	1742	1676	1635
75°	1589	1491	1502
80°	1368	1288	1305
85°	1059	1028	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2349 cd/sqm

TEST NUMBER: P995511

CATALOG NUMBER: 22D3X-LP-WD-35-L930.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	3.8
10°-20°	278.7	10.7
20°-30°	410.4	15.7
30°-40°	474.8	18.2
40°-50°	466.8	17.9
50°-60°	397.8	15.3
60°-70°	285.0	10.9
70°-80°	154.8	5.9
80°-90°	40.4	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°	787.7	30.2
0°-40°	1262.5	48.4
0°-60°	2127.1	81.6
0°-90°	2607.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2607.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1043	1043	1043	1043	1043	
5°	1040	1038	1038	1038	1040	99
15°	994	989	988	987	988	280
25°	899	895	891	888	888	414
35°	772	766	758	753	752	482
45°	617	613	603	598	598	477
55°	459	451	443	438	436	410
65°	299	293	285	282	282	296
75°	153	148	143	141	144	161
85°	34	34	33	32	31	42
90°	0	0	0	0	0	

TEST NUMBER: P995511

CATALOG NUMBER: 22D3X-LP-WD-35-L930.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1043.4	1043.4	1043.4	1043.4	1043.4
2.5°	1043.4	1042.3	1041.3	1042.3	1044.4
5°	1040.3	1038.2	1038.2	1038.2	1040.3
7.5°	1033.0	1030.9	1029.9	1030.9	1031.9
10°	1022.6	1020.5	1019.5	1020.5	1021.6
12.5°	1008.0	1007.0	1006.0	1006.0	1007.0
15°	993.5	989.3	988.3	987.3	988.3
17.5°	972.7	971.7	967.5	967.5	967.5
20°	949.8	947.8	944.7	942.6	942.6
22.5°	925.9	923.9	918.7	916.6	917.6
25°	898.9	894.8	890.6	888.5	887.5
27.5°	869.8	865.7	859.4	856.3	856.3
30°	838.7	835.5	828.3	824.1	823.1
32.5°	804.4	802.3	791.9	789.8	789.8
35°	772.1	765.9	757.6	753.4	752.4
37.5°	733.7	729.5	721.2	716.0	715.0
40°	695.2	690.0	681.7	677.6	676.5
42.5°	656.8	651.6	643.3	638.1	637.0
45°	617.3	613.1	602.7	597.6	597.6
47.5°	579.9	571.6	562.2	558.1	557.0
50°	539.4	532.1	521.7	517.5	517.5
52.5°	498.8	493.6	482.2	480.1	478.0
55°	459.3	451.0	442.7	437.5	436.5
57.5°	416.7	409.5	401.1	397.0	397.0
60°	380.4	371.0	363.7	358.5	358.5
62.5°	338.8	330.5	323.2	320.1	319.0
65°	299.3	293.1	284.7	281.6	281.6
67.5°	259.8	254.6	247.3	244.2	245.3
70°	221.4	218.2	213.0	208.9	207.8
72.5°	186.0	181.9	176.7	175.6	175.6
75°	152.8	147.6	143.4	141.3	144.5
77.5°	118.5	115.4	113.3	112.2	113.3
80°	88.3	84.2	83.1	84.2	84.2
82.5°	61.3	59.2	58.2	58.2	58.2
85°	34.3	34.3	33.3	32.2	31.2
87.5°	13.5	13.5	14.5	14.5	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)