

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: P995504

Luminaire Tested: 22D3X-LP-WD-30-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995504
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-30-L940.ies
Description: 2x2 D3X-LP AT 3000LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

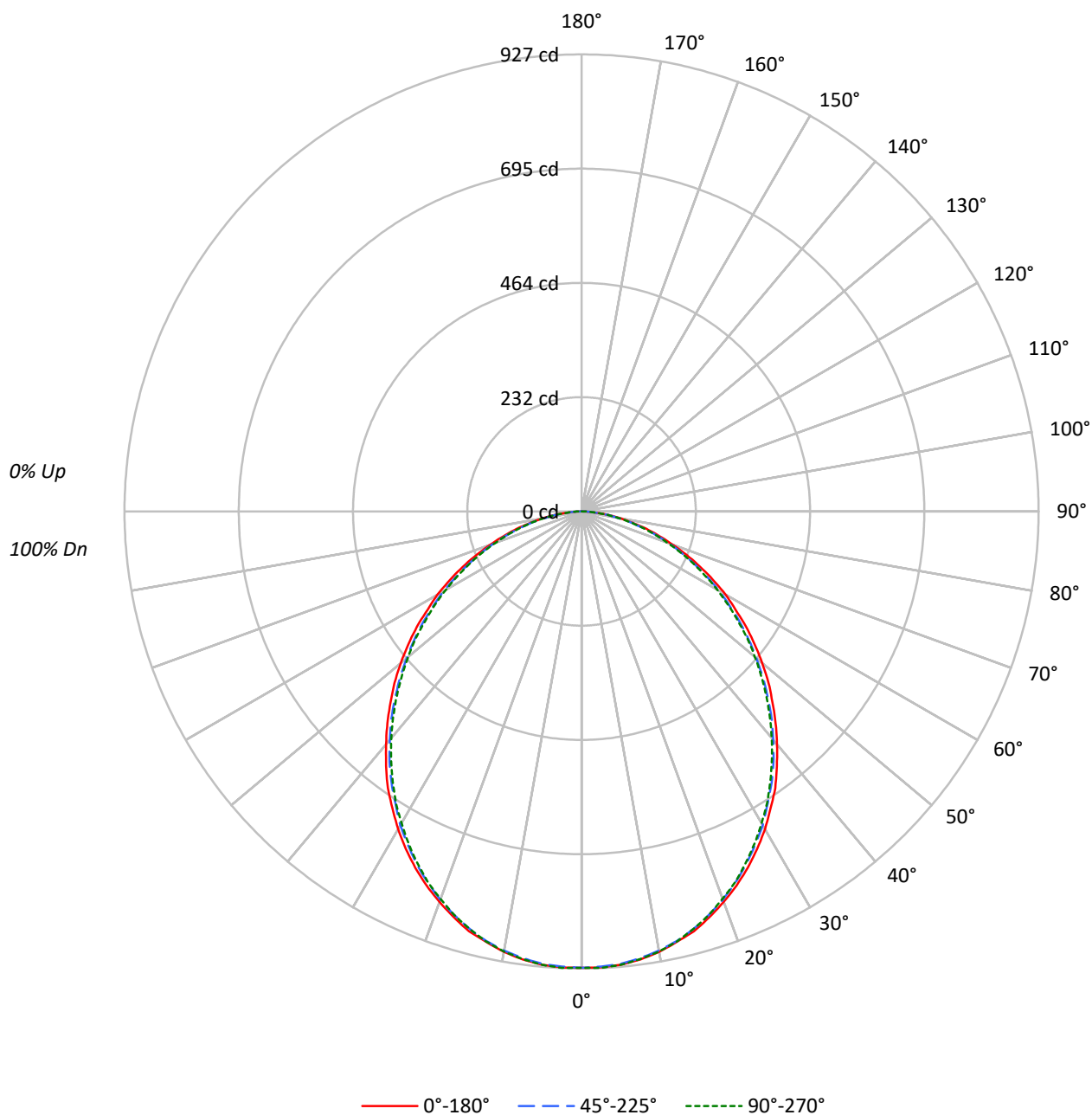
Lumens per Lamp: N/A
Luminaire Lumens: 2313.1 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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: P995504

CATALOG NUMBER: 22D3X-LP-WD-30-L940.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°	2491	2491	2491
5°	2493	2488	2493
10°	2479	2471	2476
15°	2455	2443	2443
20°	2413	2400	2395
25°	2368	2346	2338
30°	2312	2283	2269
35°	2250	2208	2193
40°	2167	2125	2108
45°	2084	2035	2017
50°	2003	1937	1922
55°	1912	1843	1817
60°	1816	1737	1712
65°	1691	1608	1591
70°	1545	1487	1451
75°	1409	1323	1333
80°	1215	1144	1158
85°	939	911	855

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2084 cd/sqm

TEST NUMBER: P995504

CATALOG NUMBER: 22D3X-LP-WD-30-L940.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	3.8
10°-20°	247.2	10.7
20°-30°	364.1	15.7
30°-40°	421.2	18.2
40°-50°	414.1	17.9
50°-60°	352.9	15.3
60°-70°	252.9	10.9
70°-80°	137.3	5.9
80°-90°	35.8	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°	698.8	30.2
0°-40°	1120.0	48.4
0°-60°	1887.0	81.6
0°-90°	2313.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2313.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	923	921	921	921	923	88
15°	881	878	877	876	877	248
25°	798	794	790	788	787	367
35°	685	680	672	668	668	427
45°	548	544	535	530	530	423
55°	408	400	393	388	387	364
65°	266	260	253	250	250	263
75°	136	131	127	125	128	143
85°	30	30	30	29	28	37
90°	0	0	0	0	0	

TEST NUMBER: P995504

CATALOG NUMBER: 22D3X-LP-WD-30-L940.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	925.6	925.6	925.6	925.6	925.6
2.5°	925.6	924.7	923.8	924.7	926.6
5°	922.9	921.0	921.0	921.0	922.9
7.5°	916.4	914.6	913.7	914.6	915.5
10°	907.2	905.4	904.4	905.4	906.3
12.5°	894.3	893.4	892.5	892.5	893.4
15°	881.4	877.7	876.8	875.9	876.8
17.5°	862.9	862.0	858.3	858.3	858.3
20°	842.7	840.8	838.1	836.2	836.2
22.5°	821.5	819.6	815.0	813.2	814.1
25°	797.5	793.8	790.1	788.3	787.3
27.5°	771.7	768.0	762.5	759.7	759.7
30°	744.0	741.3	734.8	731.1	730.2
32.5°	713.6	711.7	702.5	700.7	700.7
35°	685.0	679.5	672.1	668.4	667.5
37.5°	650.9	647.2	639.8	635.2	634.3
40°	616.8	612.2	604.8	601.1	600.2
42.5°	582.7	578.1	570.7	566.1	565.2
45°	547.6	544.0	534.7	530.1	530.1
47.5°	514.4	507.1	498.8	495.1	494.2
50°	478.5	472.0	462.8	459.1	459.1
52.5°	442.5	437.9	427.8	425.9	424.1
55°	407.5	400.1	392.8	388.1	387.2
57.5°	369.7	363.2	355.9	352.2	352.2
60°	337.4	329.1	322.7	318.1	318.1
62.5°	300.6	293.2	286.7	284.0	283.0
65°	265.5	260.0	252.6	249.8	249.8
67.5°	230.5	225.9	219.4	216.7	217.6
70°	196.4	193.6	189.0	185.3	184.4
72.5°	165.0	161.3	156.7	155.8	155.8
75°	135.5	130.9	127.2	125.4	128.2
77.5°	105.1	102.3	100.5	99.6	100.5
80°	78.4	74.7	73.8	74.7	74.7
82.5°	54.4	52.6	51.6	51.6	51.6
85°	30.4	30.4	29.5	28.6	27.7
87.5°	12.0	12.0	12.9	12.9	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)