

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: P995513

Luminaire Tested: 22D3X-LP-WD-35-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995513
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-L940.ies
Description: 2x2 D3X-LP AT 3500LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

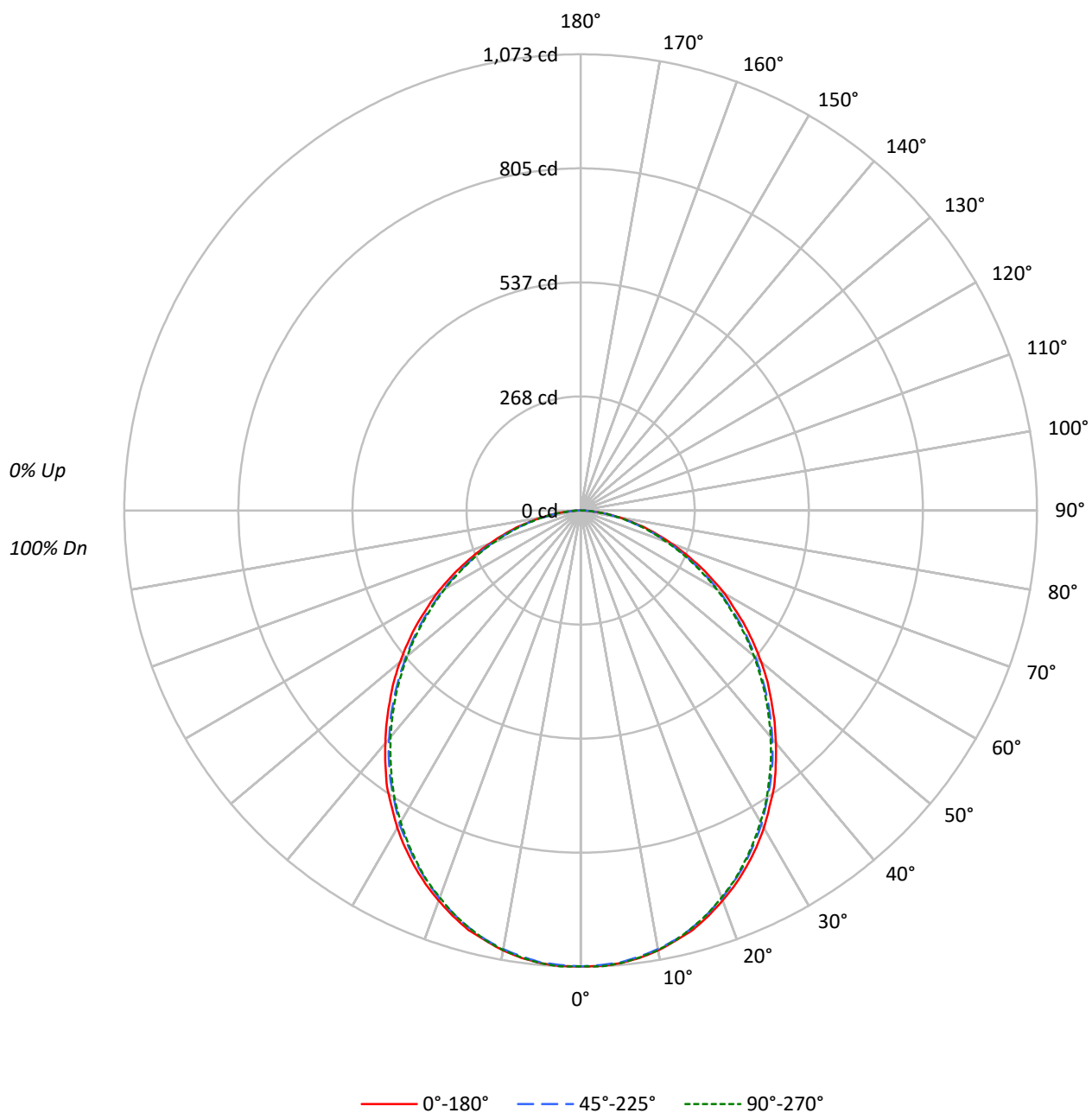
Lumens per Lamp: N/A
Luminaire Lumens: 2679.3 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P995513

CATALOG NUMBER: 22D3X-LP-WD-35-L940.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995513

CATALOG NUMBER: 22D3X-LP-WD-35-L940.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°	2885	2885	2885
5°	2888	2882	2888
10°	2871	2863	2869
15°	2844	2829	2829
20°	2795	2780	2774
25°	2743	2717	2708
30°	2678	2645	2628
35°	2607	2557	2540
40°	2510	2461	2442
45°	2414	2357	2337
50°	2320	2244	2226
55°	2214	2134	2104
60°	2104	2012	1983
65°	1959	1863	1843
70°	1790	1722	1681
75°	1632	1533	1543
80°	1407	1323	1340
85°	1087	1056	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2414 cd/sqm

TEST NUMBER: P995513

CATALOG NUMBER: 22D3X-LP-WD-35-L940.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	3.8
10°-20°	286.4	10.7
20°-30°	421.8	15.7
30°-40°	487.9	18.2
40°-50°	479.7	17.9
50°-60°	408.8	15.3
60°-70°	292.9	10.9
70°-80°	159.1	5.9
80°-90°	41.5	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°	809.4	30.2
0°-40°	1297.3	48.4
0°-60°	2185.8	81.6
0°-90°	2679.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2679.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1069	1067	1067	1067	1069	101
15°	1021	1017	1016	1014	1016	287
25°	924	920	915	913	912	425
35°	794	787	778	774	773	495
45°	634	630	619	614	614	490
55°	472	464	455	450	448	421
65°	308	301	293	289	289	305
75°	157	152	147	145	148	166
85°	35	35	34	33	32	43
90°	0	0	0	0	0	

TEST NUMBER: P995513

CATALOG NUMBER: 22D3X-LP-WD-35-L940.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1072.2	1072.2	1072.2	1072.2	1072.2
2.5°	1072.2	1071.1	1070.1	1071.1	1073.3
5°	1069.0	1066.8	1066.8	1066.8	1069.0
7.5°	1061.5	1059.4	1058.3	1059.4	1060.4
10°	1050.8	1048.7	1047.6	1048.7	1049.8
12.5°	1035.9	1034.8	1033.7	1033.7	1034.8
15°	1020.9	1016.7	1015.6	1014.5	1015.6
17.5°	999.6	998.5	994.2	994.2	994.2
20°	976.1	973.9	970.7	968.6	968.6
22.5°	951.5	949.4	944.0	941.9	943.0
25°	923.7	919.5	915.2	913.1	912.0
27.5°	893.8	889.6	883.2	880.0	880.0
30°	861.8	858.6	851.1	846.9	845.8
32.5°	826.6	824.4	813.8	811.6	811.6
35°	793.5	787.1	778.5	774.2	773.2
37.5°	753.9	749.7	741.1	735.8	734.7
40°	714.4	709.1	700.6	696.3	695.2
42.5°	674.9	669.6	661.0	655.7	654.6
45°	634.3	630.1	619.4	614.1	614.1
47.5°	595.9	587.4	577.7	573.5	572.4
50°	554.2	546.8	536.1	531.8	531.8
52.5°	512.6	507.3	495.5	493.4	491.2
55°	472.0	463.5	454.9	449.6	448.5
57.5°	428.2	420.8	412.2	407.9	407.9
60°	390.9	381.2	373.8	368.4	368.4
62.5°	348.1	339.6	332.1	328.9	327.9
65°	307.6	301.2	292.6	289.4	289.4
67.5°	267.0	261.6	254.2	251.0	252.0
70°	227.5	224.3	218.9	214.7	213.6
72.5°	191.2	186.9	181.5	180.5	180.5
75°	157.0	151.6	147.4	145.2	148.4
77.5°	121.7	118.5	116.4	115.3	116.4
80°	90.8	86.5	85.4	86.5	86.5
82.5°	63.0	60.9	59.8	59.8	59.8
85°	35.2	35.2	34.2	33.1	32.0
87.5°	13.9	13.9	15.0	15.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)