

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: P995575

Luminaire Tested: 22D3X-LP-WD-80-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995575
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-80-L935.ies
Description: 2x2 D3X-LP AT 8000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

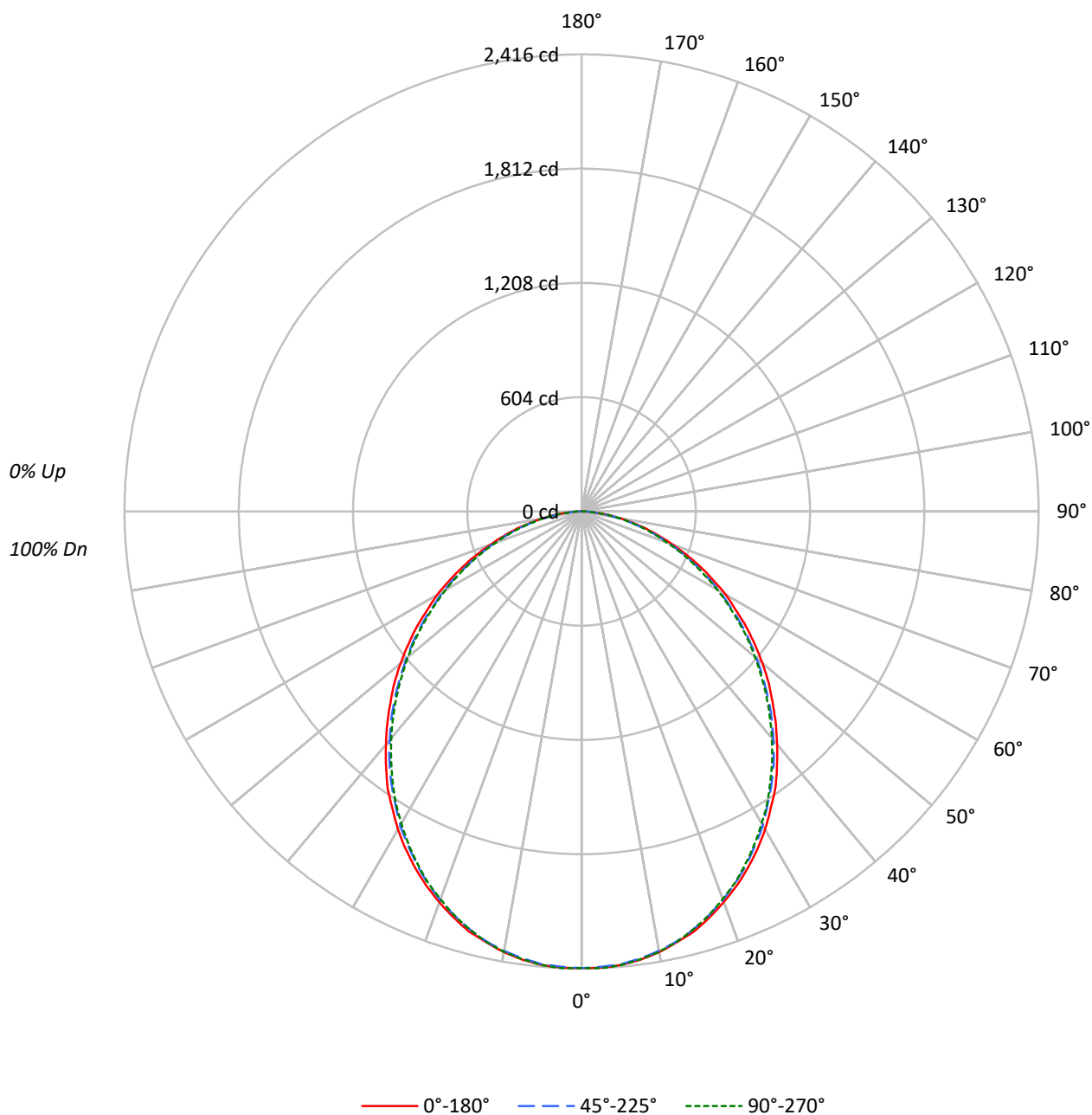
Lumens per Lamp: N/A
Luminaire Lumens: 6032.7 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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: P995575

CATALOG NUMBER: 22D3X-LP-WD-80-L935.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995575

CATALOG NUMBER: 22D3X-LP-WD-80-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		
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6496	6496	6496
5°	6502	6489	6502
10°	6465	6445	6459
15°	6404	6371	6371
20°	6294	6259	6245
25°	6176	6119	6097
30°	6029	5955	5917
35°	5869	5758	5719
40°	5651	5541	5499
45°	5436	5307	5262
50°	5224	5053	5013
55°	4986	4806	4738
60°	4737	4529	4465
65°	4409	4195	4149
70°	4030	3878	3784
75°	3675	3450	3475
80°	3168	2982	3019
85°	2448	2374	2226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5436 cd/sqm

TEST NUMBER: P995575

CATALOG NUMBER: 22D3X-LP-WD-80-L935.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	3.8
10°-20°	644.8	10.7
20°-30°	949.7	15.7
30°-40°	1098.6	18.2
40°-50°	1080.0	17.9
50°-60°	920.4	15.3
60°-70°	659.5	10.9
70°-80°	358.2	5.9
80°-90°	93.5	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°	1822.5	30.2
0°-40°	2921.1	48.4
0°-60°	4921.6	81.6
0°-90°	6032.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6032.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2414	2414	2414	2414	2414	
5°	2407	2402	2402	2402	2407	228
15°	2299	2289	2287	2284	2287	647
25°	2080	2070	2061	2056	2054	957
35°	1787	1772	1753	1743	1741	1114
45°	1428	1419	1395	1383	1383	1103
55°	1063	1044	1024	1012	1010	949
65°	692	678	659	652	652	686
75°	354	341	332	327	334	373
85°	79	79	77	74	72	96
90°	0	0	0	0	0	

TEST NUMBER: P995575

CATALOG NUMBER: 22D3X-LP-WD-80-L935.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2414.1	2414.1	2414.1	2414.1	2414.1
2.5°	2414.1	2411.7	2409.3	2411.7	2416.5
5°	2406.9	2402.1	2402.1	2402.1	2406.9
7.5°	2390.1	2385.3	2382.9	2385.3	2387.7
10°	2366.0	2361.2	2358.8	2361.2	2363.6
12.5°	2332.4	2330.0	2327.6	2327.6	2330.0
15°	2298.7	2289.1	2286.7	2284.3	2286.7
17.5°	2250.6	2248.2	2238.6	2238.6	2238.6
20°	2197.7	2192.9	2185.7	2180.9	2180.9
22.5°	2142.4	2137.6	2125.6	2120.8	2123.2
25°	2079.9	2070.3	2060.7	2055.9	2053.5
27.5°	2012.6	2003.0	1988.5	1981.3	1981.3
30°	1940.4	1933.2	1916.4	1906.8	1904.4
32.5°	1861.1	1856.3	1832.2	1827.4	1827.4
35°	1786.6	1772.1	1752.9	1743.3	1740.9
37.5°	1697.6	1688.0	1668.7	1656.7	1654.3
40°	1608.6	1596.6	1577.4	1567.7	1565.3
42.5°	1519.7	1507.6	1488.4	1476.4	1474.0
45°	1428.3	1418.7	1394.6	1382.6	1382.6
47.5°	1341.7	1322.5	1300.8	1291.2	1288.8
50°	1247.9	1231.1	1207.1	1197.5	1197.5
52.5°	1154.2	1142.1	1115.7	1110.9	1106.1
55°	1062.8	1043.6	1024.3	1012.3	1009.9
57.5°	964.2	947.4	928.1	918.5	918.5
60°	880.1	858.4	841.6	829.6	829.6
62.5°	783.9	764.6	747.8	740.6	738.2
65°	692.5	678.1	658.8	651.6	651.6
67.5°	601.1	589.1	572.3	565.1	567.5
70°	512.2	504.9	492.9	483.3	480.9
72.5°	430.4	420.8	408.8	406.4	406.4
75°	353.5	341.4	331.8	327.0	334.2
77.5°	274.1	266.9	262.1	259.7	262.1
80°	204.4	194.8	192.4	194.8	194.8
82.5°	141.9	137.1	134.7	134.7	134.7
85°	79.3	79.3	76.9	74.5	72.1
87.5°	31.3	31.3	33.7	33.7	36.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)