

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: P995572

Luminaire Tested: 22D3X-LP-WD-80-L850.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995572
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-L850.ies
Description: 2x2 D3X-LP AT 8000LM 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

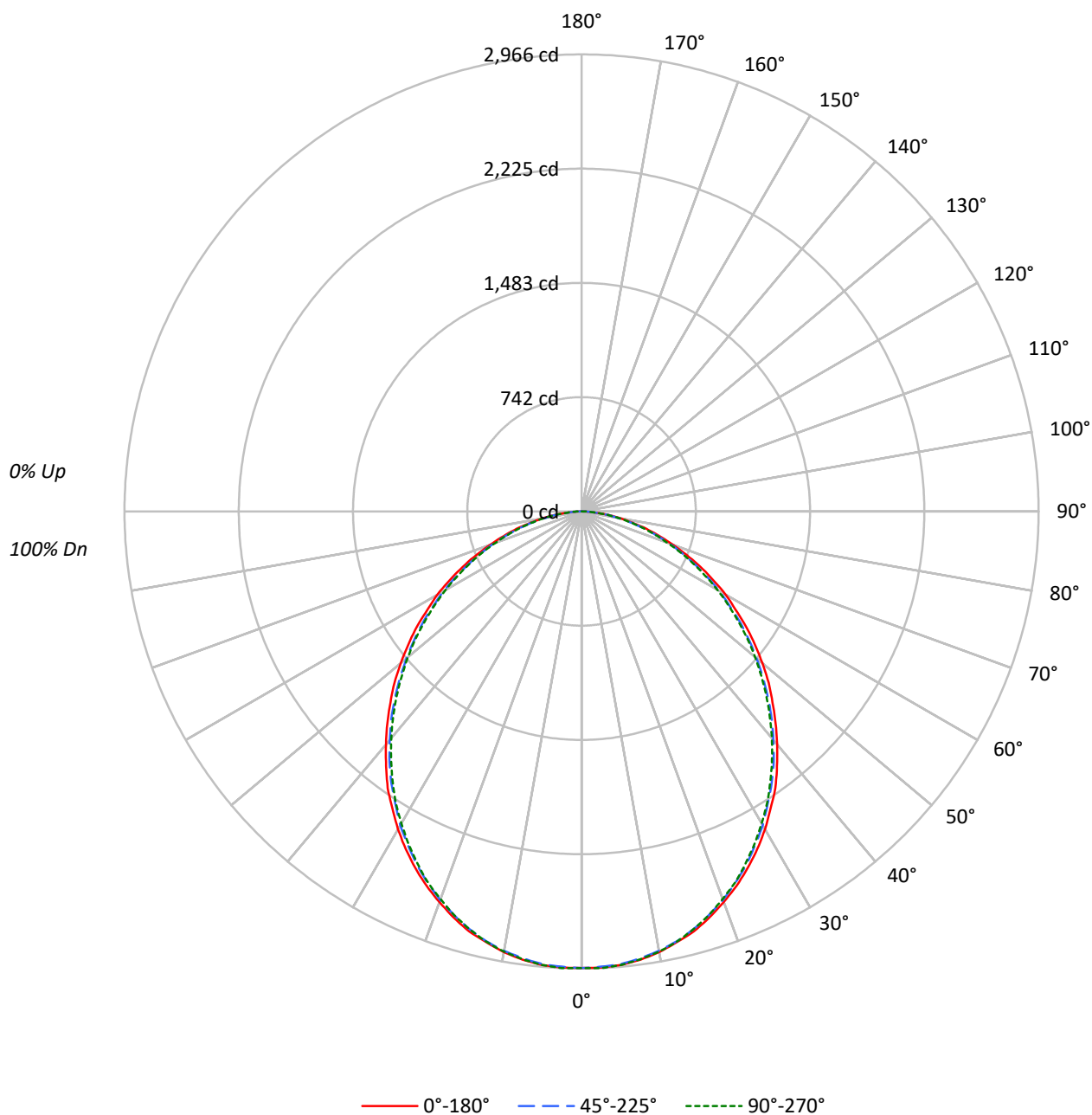
Lumens per Lamp: N/A
Luminaire Lumens: 7404.6 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P995572

CATALOG NUMBER: 22D3X-LP-WD-80-L850.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995572

CATALOG NUMBER: 22D3X-LP-WD-80-L850.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°	7974	7974	7974
5°	7980	7964	7980
10°	7935	7911	7927
15°	7860	7819	7819
20°	7725	7682	7665
25°	7580	7510	7483
30°	7401	7309	7263
35°	7204	7068	7020
40°	6936	6801	6749
45°	6672	6514	6458
50°	6412	6203	6153
55°	6120	5899	5816
60°	5814	5560	5480
65°	5412	5149	5093
70°	4946	4760	4644
75°	4510	4235	4265
80°	3888	3659	3705
85°	3007	2915	2732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6672 cd/sqm

TEST NUMBER: P995572

CATALOG NUMBER: 22D3X-LP-WD-80-L850.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.9	3.8
10°-20°	791.4	10.7
20°-30°	1165.6	15.7
30°-40°	1348.4	18.2
40°-50°	1325.7	17.9
50°-60°	1129.7	15.3
60°-70°	809.5	10.9
70°-80°	439.7	5.9
80°-90°	114.7	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°	2237.0	30.2
0°-40°	3585.4	48.4
0°-60°	6040.8	81.6
0°-90°	7404.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7404.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2963	2963	2963	2963	2963	
5°	2954	2948	2948	2948	2954	280
15°	2822	2810	2807	2804	2807	794
25°	2553	2541	2529	2523	2520	1175
35°	2193	2175	2152	2140	2137	1367
45°	1753	1741	1712	1697	1697	1354
55°	1304	1281	1257	1242	1240	1165
65°	850	832	809	800	800	842
75°	434	419	407	401	410	458
85°	97	97	94	92	88	118
90°	0	0	0	0	0	

TEST NUMBER: P995572

CATALOG NUMBER: 22D3X-LP-WD-80-L850.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2963.1	2963.1	2963.1	2963.1	2963.1
2.5°	2963.1	2960.2	2957.2	2960.2	2966.1
5°	2954.3	2948.4	2948.4	2948.4	2954.3
7.5°	2933.6	2927.7	2924.8	2927.7	2930.7
10°	2904.1	2898.2	2895.2	2898.2	2901.1
12.5°	2862.8	2859.8	2856.9	2856.9	2859.8
15°	2821.5	2809.7	2806.7	2803.8	2806.7
17.5°	2762.4	2759.5	2747.7	2747.7	2747.7
20°	2697.5	2691.6	2682.7	2676.8	2676.8
22.5°	2629.6	2623.7	2609.0	2603.1	2606.0
25°	2552.9	2541.1	2529.3	2523.4	2520.4
27.5°	2470.3	2458.4	2440.7	2431.9	2431.9
30°	2381.7	2372.9	2352.2	2340.4	2337.4
32.5°	2284.3	2278.4	2248.9	2243.0	2243.0
35°	2192.8	2175.1	2151.5	2139.7	2136.8
37.5°	2083.6	2071.8	2048.2	2033.5	2030.5
40°	1974.4	1959.7	1936.1	1924.3	1921.3
42.5°	1865.2	1850.5	1826.9	1812.1	1809.2
45°	1753.1	1741.3	1711.8	1697.0	1697.0
47.5°	1646.8	1623.2	1596.7	1584.9	1581.9
50°	1531.7	1511.1	1481.6	1469.8	1469.8
52.5°	1416.6	1401.9	1369.4	1363.5	1357.6
55°	1304.5	1280.9	1257.3	1242.5	1239.6
57.5°	1183.5	1162.8	1139.2	1127.4	1127.4
60°	1080.2	1053.6	1033.0	1018.2	1018.2
62.5°	962.1	938.5	917.9	909.0	906.1
65°	850.0	832.3	808.7	799.8	799.8
67.5°	737.8	723.1	702.4	693.6	696.5
70°	628.6	619.8	605.0	593.2	590.3
72.5°	528.3	516.5	501.7	498.8	498.8
75°	433.8	419.1	407.3	401.4	410.2
77.5°	336.5	327.6	321.7	318.7	321.7
80°	250.9	239.1	236.1	239.1	239.1
82.5°	174.1	168.2	165.3	165.3	165.3
85°	97.4	97.4	94.4	91.5	88.5
87.5°	38.4	38.4	41.3	41.3	44.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)