

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: P995577

Luminaire Tested: 22D3X-LP-WD-80-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995577
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-L950.ies
Description: 2x2 D3X-LP AT 8000LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

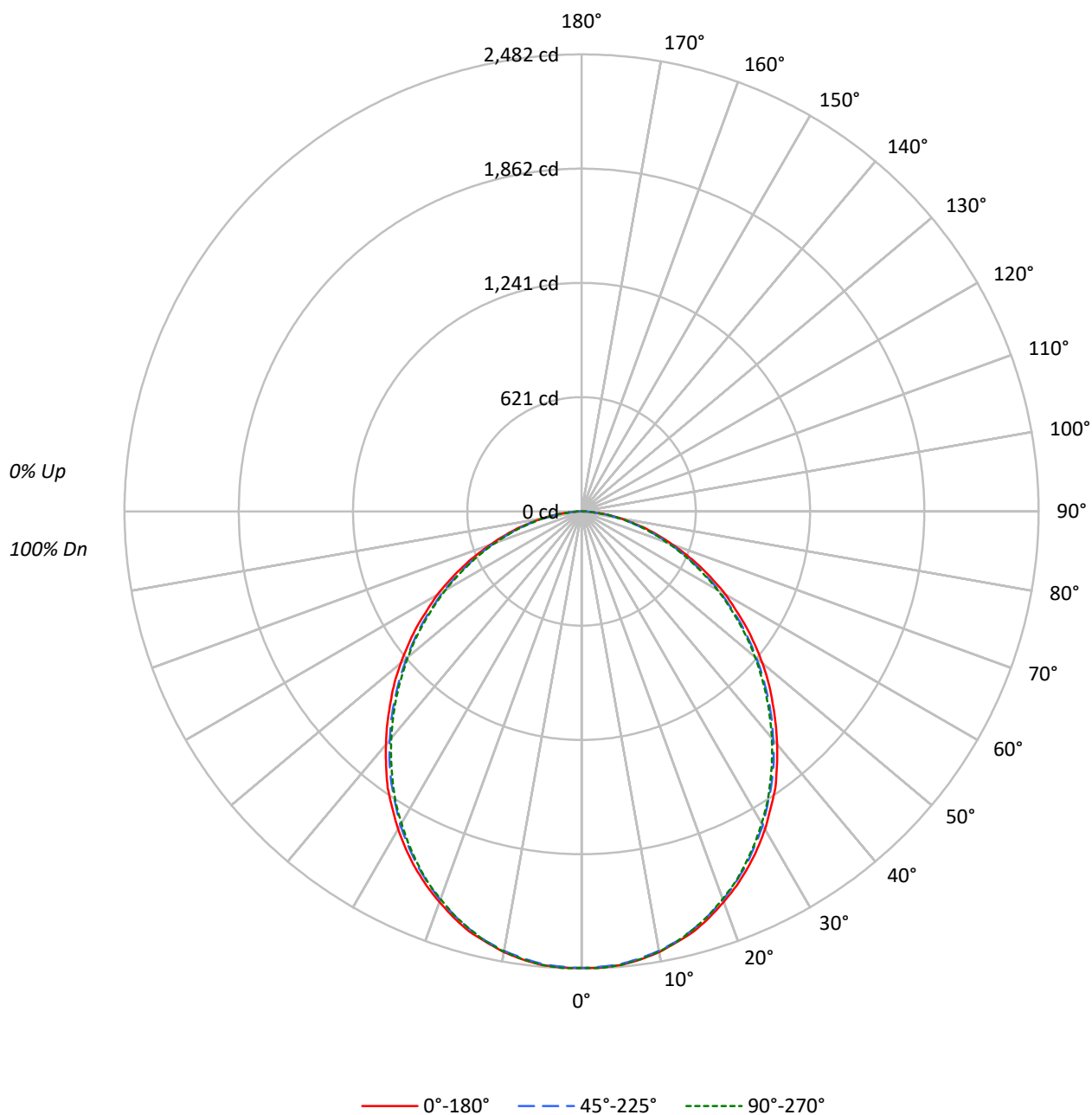
Lumens per Lamp: N/A
Luminaire Lumens: 6195.6 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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		
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°	6672	6672	6672
5°	6677	6664	6677
10°	6640	6619	6633
15°	6577	6542	6542
20°	6464	6428	6414
25°	6342	6284	6262
30°	6192	6115	6077
35°	6027	5914	5873
40°	5804	5691	5647
45°	5582	5451	5404
50°	5365	5190	5148
55°	5121	4936	4866
60°	4864	4652	4585
65°	4528	4308	4261
70°	4139	3983	3886
75°	3774	3543	3569
80°	3253	3062	3099
85°	2516	2439	2288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	3.8
10°-20°	662.2	10.7
20°-30°	975.3	15.7
30°-40°	1128.2	18.2
40°-50°	1109.2	17.9
50°-60°	945.3	15.3
60°-70°	677.3	10.9
70°-80°	367.9	5.9
80°-90°	96.0	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°	1871.7	30.2
0°-40°	3000.0	48.4
0°-60°	5054.4	81.6
0°-90°	6195.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6195.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2479	2479	2479	2479	2479	
5°	2472	2467	2467	2467	2472	235
15°	2361	2351	2348	2346	2348	664
25°	2136	2126	2116	2111	2109	983
35°	1835	1820	1800	1790	1788	1144
45°	1467	1457	1432	1420	1420	1133
55°	1092	1072	1052	1040	1037	975
65°	711	696	677	669	669	704
75°	363	351	341	336	343	383
85°	82	82	79	77	74	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2479.3	2479.3	2479.3	2479.3	2479.3
2.5°	2479.3	2476.8	2474.4	2476.8	2481.8
5°	2471.9	2467.0	2467.0	2467.0	2471.9
7.5°	2454.6	2449.7	2447.2	2449.7	2452.2
10°	2429.9	2425.0	2422.5	2425.0	2427.5
12.5°	2395.4	2392.9	2390.4	2390.4	2392.9
15°	2360.8	2350.9	2348.4	2346.0	2348.4
17.5°	2311.4	2308.9	2299.0	2299.0	2299.0
20°	2257.1	2252.1	2244.7	2239.8	2239.8
22.5°	2200.3	2195.3	2183.0	2178.0	2180.5
25°	2136.1	2126.2	2116.3	2111.4	2108.9
27.5°	2066.9	2057.0	2042.2	2034.8	2034.8
30°	1992.8	1985.4	1968.1	1958.3	1955.8
32.5°	1911.3	1906.4	1881.7	1876.8	1876.8
35°	1834.8	1820.0	1800.2	1790.3	1787.9
37.5°	1743.4	1733.5	1713.8	1701.4	1699.0
40°	1652.1	1639.7	1620.0	1610.1	1607.6
42.5°	1560.7	1548.3	1528.6	1516.2	1513.8
45°	1466.8	1457.0	1432.3	1419.9	1419.9
47.5°	1377.9	1358.2	1336.0	1326.1	1323.6
50°	1281.6	1264.4	1239.7	1229.8	1229.8
52.5°	1185.3	1173.0	1145.8	1140.9	1135.9
55°	1091.5	1071.7	1052.0	1039.6	1037.2
57.5°	990.2	973.0	953.2	943.3	943.3
60°	903.8	881.6	864.3	852.0	852.0
62.5°	805.0	785.3	768.0	760.6	758.1
65°	711.2	696.4	676.6	669.2	669.2
67.5°	617.4	605.0	587.7	580.3	582.8
70°	526.0	518.6	506.2	496.4	493.9
72.5°	442.0	432.2	419.8	417.3	417.3
75°	363.0	350.7	340.8	335.8	343.3
77.5°	281.5	274.1	269.2	266.7	269.2
80°	209.9	200.0	197.6	200.0	200.0
82.5°	145.7	140.8	138.3	138.3	138.3
85°	81.5	81.5	79.0	76.6	74.1
87.5°	32.1	32.1	34.6	34.6	37.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)