

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: P995534

Luminaire Tested: 22D3X-LP-WD-50-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995534
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-50-L835.ies
Description: 2x2 D3X-LP AT 5000LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

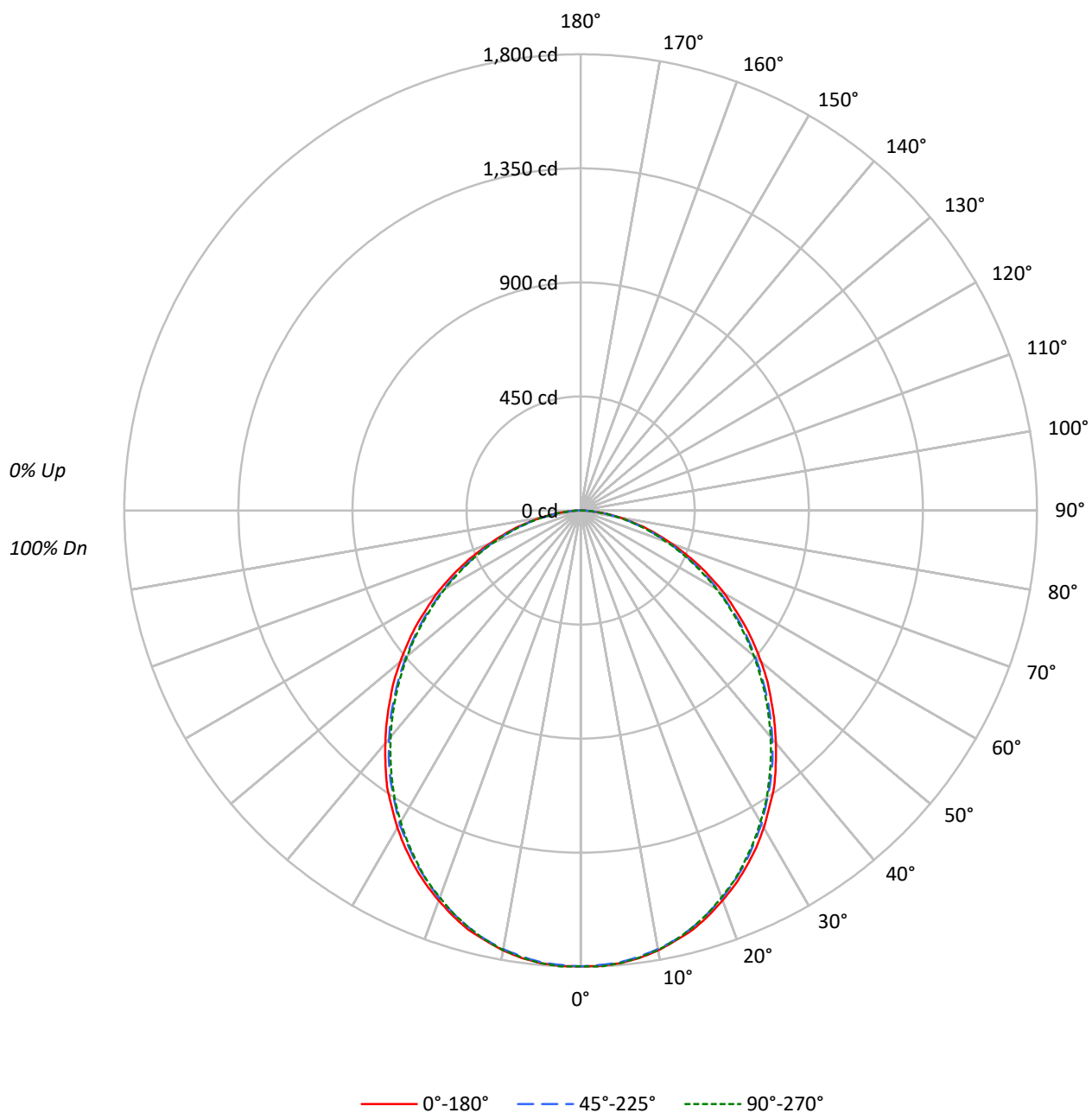
Lumens per Lamp: N/A
Luminaire Lumens: 4493.7 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
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		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°	4839	4839	4839
5°	4843	4833	4843
10°	4816	4801	4811
15°	4770	4745	4745
20°	4688	4662	4652
25°	4600	4558	4542
30°	4491	4436	4408
35°	4372	4289	4260
40°	4209	4128	4096
45°	4049	3953	3919
50°	3892	3764	3734
55°	3714	3580	3529
60°	3528	3374	3326
65°	3284	3125	3091
70°	3002	2889	2818
75°	2738	2570	2589
80°	2359	2221	2249
85°	1825	1769	1658

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4049 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	3.8
10°-20°	480.3	10.7
20°-30°	707.4	15.7
30°-40°	818.3	18.2
40°-50°	804.5	17.9
50°-60°	685.6	15.3
60°-70°	491.3	10.9
70°-80°	266.8	5.9
80°-90°	69.6	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°	1357.6	30.2
0°-40°	2175.9	48.4
0°-60°	3666.0	81.6
0°-90°	4493.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4493.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1798	1798	1798	1798	1798	
5°	1793	1789	1789	1789	1793	170
15°	1712	1705	1703	1702	1703	482
25°	1549	1542	1535	1531	1530	713
35°	1331	1320	1306	1298	1297	830
45°	1064	1057	1039	1030	1030	822
55°	792	777	763	754	752	707
65°	516	505	491	485	485	511
75°	263	254	247	244	249	278
85°	59	59	57	56	54	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1798.3	1798.3	1798.3	1798.3	1798.3
2.5°	1798.3	1796.5	1794.7	1796.5	1800.1
5°	1792.9	1789.3	1789.3	1789.3	1792.9
7.5°	1780.4	1776.8	1775.0	1776.8	1778.6
10°	1762.4	1758.9	1757.1	1758.9	1760.7
12.5°	1737.4	1735.6	1733.8	1733.8	1735.6
15°	1712.3	1705.1	1703.3	1701.5	1703.3
17.5°	1676.5	1674.7	1667.5	1667.5	1667.5
20°	1637.1	1633.5	1628.1	1624.5	1624.5
22.5°	1595.9	1592.3	1583.3	1579.8	1581.5
25°	1549.3	1542.1	1535.0	1531.4	1529.6
27.5°	1499.2	1492.0	1481.2	1475.9	1475.9
30°	1445.4	1440.0	1427.5	1420.3	1418.6
32.5°	1386.3	1382.7	1364.8	1361.2	1361.2
35°	1330.8	1320.0	1305.7	1298.5	1296.8
37.5°	1264.5	1257.4	1243.0	1234.1	1232.3
40°	1198.2	1189.3	1175.0	1167.8	1166.0
42.5°	1132.0	1123.0	1108.7	1099.7	1097.9
45°	1063.9	1056.8	1038.8	1029.9	1029.9
47.5°	999.4	985.1	969.0	961.8	960.0
50°	929.6	917.0	899.1	892.0	892.0
52.5°	859.7	850.8	831.1	827.5	823.9
55°	791.7	777.3	763.0	754.1	752.3
57.5°	718.2	705.7	691.4	684.2	684.2
60°	655.5	639.4	626.9	617.9	617.9
62.5°	583.9	569.6	557.0	551.7	549.9
65°	515.8	505.1	490.8	485.4	485.4
67.5°	447.8	438.8	426.3	420.9	422.7
70°	381.5	376.1	367.2	360.0	358.2
72.5°	320.6	313.4	304.5	302.7	302.7
75°	263.3	254.3	247.2	243.6	249.0
77.5°	204.2	198.8	195.2	193.4	195.2
80°	152.2	145.1	143.3	145.1	145.1
82.5°	105.7	102.1	100.3	100.3	100.3
85°	59.1	59.1	57.3	55.5	53.7
87.5°	23.3	23.3	25.1	25.1	26.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)