

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: P995487

Luminaire Tested: 22D3X-LP-WD-20-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995487
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-20-L950.ies
Description: 2x2 D3X-LP AT 2000LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

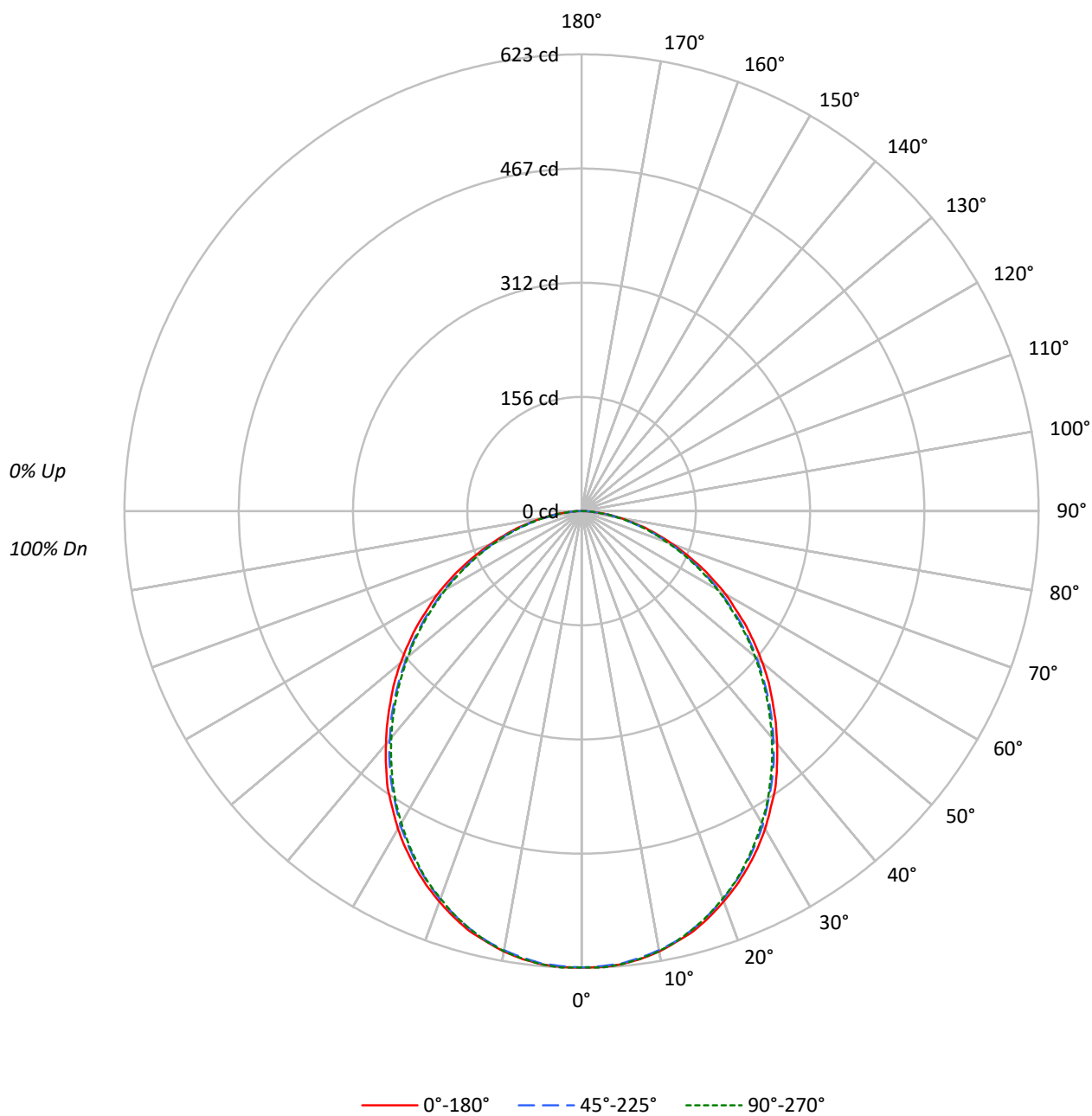
Lumens per Lamp: N/A
Luminaire Lumens: 1555.6 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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°	1675	1675	1675
5°	1677	1673	1677
10°	1667	1662	1665
15°	1651	1643	1643
20°	1623	1614	1611
25°	1592	1578	1572
30°	1555	1536	1526
35°	1513	1485	1475
40°	1457	1429	1418
45°	1402	1369	1357
50°	1347	1303	1293
55°	1286	1239	1222
60°	1221	1168	1151
65°	1137	1082	1070
70°	1039	1000	976
75°	947	890	896
80°	817	769	778
85°	633	611	574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1402 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	3.8
10°-20°	166.3	10.7
20°-30°	244.9	15.7
30°-40°	283.3	18.2
40°-50°	278.5	17.9
50°-60°	237.3	15.3
60°-70°	170.1	10.9
70°-80°	92.4	5.9
80°-90°	24.1	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°	470.0	30.2
0°-40°	753.2	48.4
0°-60°	1269.1	81.6
0°-90°	1555.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1555.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	621	619	619	619	621	59
15°	593	590	590	589	590	167
25°	536	534	531	530	530	247
35°	461	457	452	450	449	287
45°	368	366	360	356	356	285
55°	274	269	264	261	260	245
65°	179	175	170	168	168	177
75°	91	88	86	84	86	96
85°	20	20	20	19	19	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	622.5	622.5	622.5	622.5	622.5
2.5°	622.5	621.9	621.3	621.9	623.1
5°	620.7	619.4	619.4	619.4	620.7
7.5°	616.3	615.1	614.5	615.1	615.7
10°	610.1	608.9	608.3	608.9	609.5
12.5°	601.4	600.8	600.2	600.2	600.8
15°	592.7	590.3	589.6	589.0	589.6
17.5°	580.3	579.7	577.2	577.2	577.2
20°	566.7	565.5	563.6	562.4	562.4
22.5°	552.4	551.2	548.1	546.9	547.5
25°	536.3	533.8	531.4	530.1	529.5
27.5°	519.0	516.5	512.8	510.9	510.9
30°	500.4	498.5	494.2	491.7	491.1
32.5°	479.9	478.7	472.5	471.2	471.2
35°	460.7	457.0	452.0	449.5	448.9
37.5°	437.7	435.3	430.3	427.2	426.6
40°	414.8	411.7	406.7	404.3	403.6
42.5°	391.9	388.8	383.8	380.7	380.1
45°	368.3	365.8	359.6	356.5	356.5
47.5°	346.0	341.0	335.4	333.0	332.3
50°	321.8	317.5	311.3	308.8	308.8
52.5°	297.6	294.5	287.7	286.5	285.2
55°	274.1	269.1	264.1	261.0	260.4
57.5°	248.6	244.3	239.3	236.9	236.9
60°	226.9	221.4	217.0	213.9	213.9
62.5°	202.1	197.2	192.8	191.0	190.3
65°	178.6	174.8	169.9	168.0	168.0
67.5°	155.0	151.9	147.6	145.7	146.3
70°	132.1	130.2	127.1	124.6	124.0
72.5°	111.0	108.5	105.4	104.8	104.8
75°	91.1	88.0	85.6	84.3	86.2
77.5°	70.7	68.8	67.6	67.0	67.6
80°	52.7	50.2	49.6	50.2	50.2
82.5°	36.6	35.3	34.7	34.7	34.7
85°	20.5	20.5	19.8	19.2	18.6
87.5°	8.1	8.1	8.7	8.7	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)