

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: P995555

Luminaire Tested: 22D3X-LP-WD-60-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995555
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-60-L927.ies
Description: 2x2 D3X-LP AT 6000LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

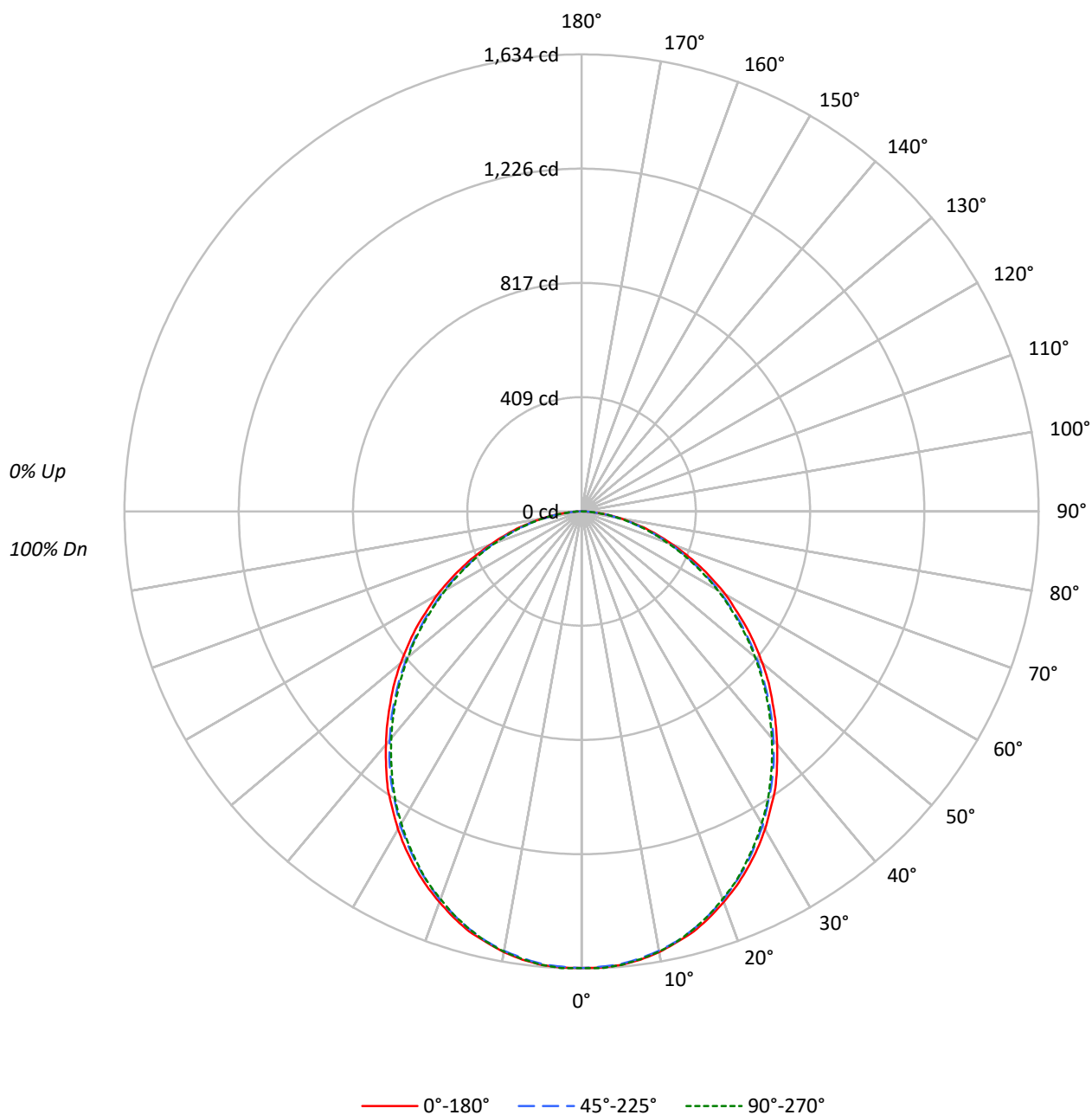
Lumens per Lamp: N/A
Luminaire Lumens: 4079.3 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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°	4393	4393	4393
5°	4397	4388	4397
10°	4372	4358	4367
15°	4330	4308	4308
20°	4256	4233	4223
25°	4176	4137	4123
30°	4077	4027	4001
35°	3969	3894	3867
40°	3821	3747	3718
45°	3675	3589	3558
50°	3533	3417	3390
55°	3372	3249	3204
60°	3203	3063	3019
65°	2982	2837	2805
70°	2725	2622	2559
75°	2485	2333	2350
80°	2142	2016	2041
85°	1658	1606	1507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	3.8
10°-20°	436.0	10.7
20°-30°	642.2	15.7
30°-40°	742.9	18.2
40°-50°	730.3	17.9
50°-60°	622.4	15.3
60°-70°	446.0	10.9
70°-80°	242.2	5.9
80°-90°	63.2	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°	1232.4	30.2
0°-40°	1975.2	48.4
0°-60°	3327.9	81.6
0°-90°	4079.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4079.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1632	1632	1632	1632	1632	
5°	1628	1624	1624	1624	1628	154
15°	1554	1548	1546	1545	1546	438
25°	1406	1400	1393	1390	1388	647
35°	1208	1198	1185	1179	1177	753
45°	966	959	943	935	935	746
55°	719	706	693	684	683	642
65°	468	458	446	441	441	464
75°	239	231	224	221	226	252
85°	54	54	52	50	49	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1632.4	1632.4	1632.4	1632.4	1632.4
2.5°	1632.4	1630.8	1629.2	1630.8	1634.1
5°	1627.6	1624.3	1624.3	1624.3	1627.6
7.5°	1616.2	1612.9	1611.3	1612.9	1614.5
10°	1599.9	1596.7	1595.0	1596.7	1598.3
12.5°	1577.2	1575.5	1573.9	1573.9	1575.5
15°	1554.4	1547.9	1546.3	1544.6	1546.3
17.5°	1521.9	1520.2	1513.7	1513.7	1513.7
20°	1486.1	1482.8	1478.0	1474.7	1474.7
22.5°	1448.7	1445.5	1437.3	1434.1	1435.7
25°	1406.4	1399.9	1393.4	1390.2	1388.5
27.5°	1360.9	1354.4	1344.6	1339.8	1339.8
30°	1312.1	1307.2	1295.9	1289.4	1287.7
32.5°	1258.5	1255.2	1239.0	1235.7	1235.7
35°	1208.1	1198.3	1185.3	1178.8	1177.2
37.5°	1147.9	1141.4	1128.4	1120.3	1118.6
40°	1087.7	1079.6	1066.6	1060.1	1058.5
42.5°	1027.6	1019.5	1006.4	998.3	996.7
45°	965.8	959.3	943.0	934.9	934.9
47.5°	907.3	894.3	879.6	873.1	871.5
50°	843.9	832.5	816.2	809.7	809.7
52.5°	780.4	772.3	754.4	751.2	747.9
55°	718.7	705.7	692.6	684.5	682.9
57.5°	652.0	640.6	627.6	621.1	621.1
60°	595.1	580.5	569.1	560.9	560.9
62.5°	530.1	517.0	505.7	500.8	499.2
65°	468.3	458.5	445.5	440.6	440.6
67.5°	406.5	398.4	387.0	382.1	383.7
70°	346.3	341.4	333.3	326.8	325.2
72.5°	291.0	284.5	276.4	274.8	274.8
75°	239.0	230.9	224.4	221.1	226.0
77.5°	185.4	180.5	177.2	175.6	177.2
80°	138.2	131.7	130.1	131.7	131.7
82.5°	95.9	92.7	91.1	91.1	91.1
85°	53.7	53.7	52.0	50.4	48.8
87.5°	21.1	21.1	22.8	22.8	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)