

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: P995547

Luminaire Tested: 22D3X-LP-WD-55-L930.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995547
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-55-L930.ies
Description: 2x2 D3X-LP AT 5500LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

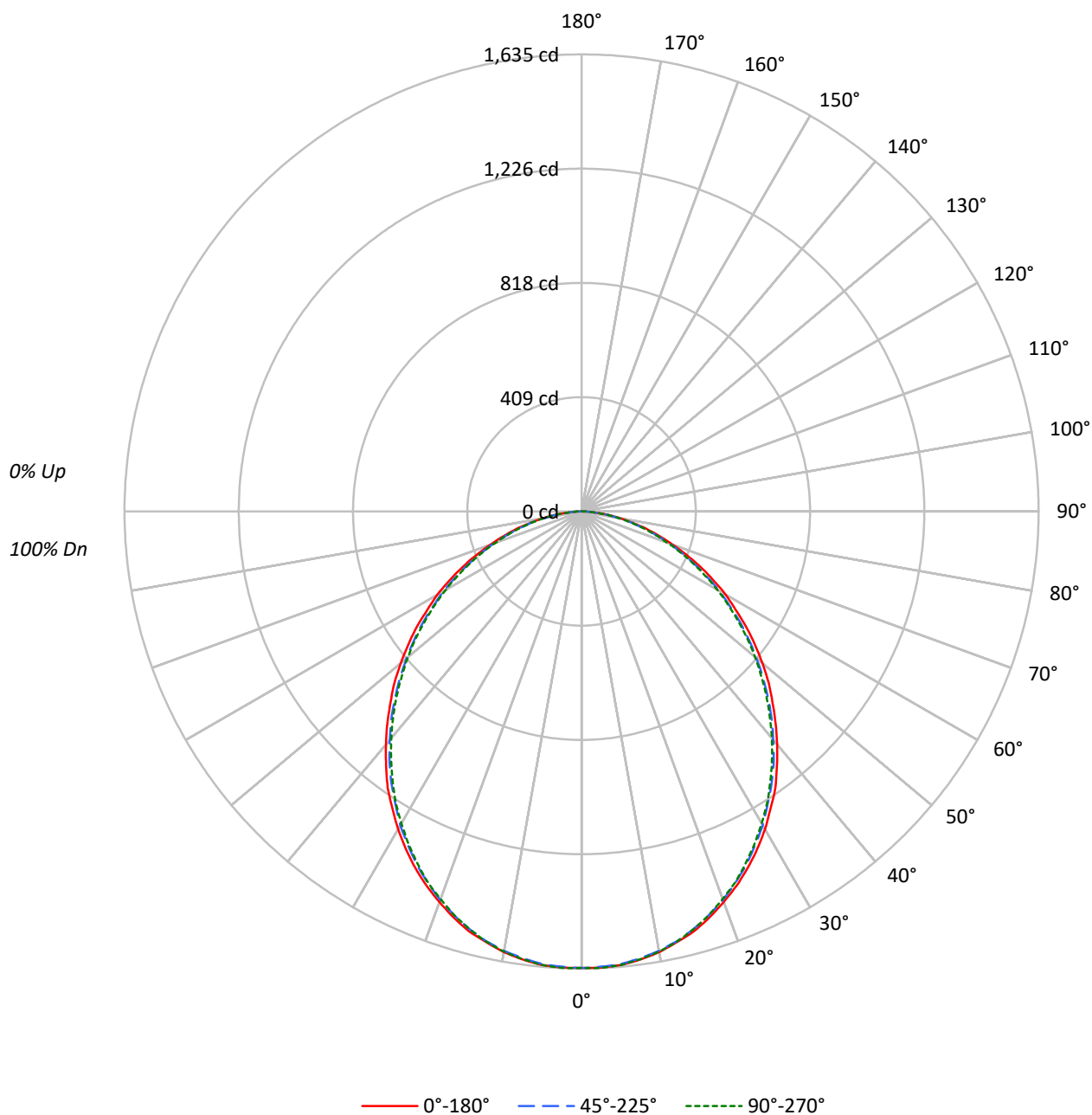
Lumens per Lamp: N/A
Luminaire Lumens: 4081.5 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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		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°	4395	4395	4395
5°	4399	4390	4399
10°	4374	4361	4370
15°	4333	4310	4310
20°	4258	4235	4225
25°	4178	4140	4125
30°	4079	4029	4003
35°	3971	3896	3869
40°	3823	3749	3720
45°	3677	3591	3560
50°	3535	3419	3392
55°	3373	3251	3206
60°	3204	3064	3020
65°	2983	2838	2807
70°	2726	2624	2560
75°	2486	2334	2351
80°	2143	2016	2042
85°	1658	1609	1507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	3.8
10°-20°	436.2	10.7
20°-30°	642.5	15.7
30°-40°	743.3	18.2
40°-50°	730.7	17.9
50°-60°	622.7	15.3
60°-70°	446.2	10.9
70°-80°	242.3	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°	1233.0	30.2
0°-40°	1976.3	48.4
0°-60°	3329.7	81.6
0°-90°	4081.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4081.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1633	1633	1633	1633	1633	
5°	1628	1625	1625	1625	1628	155
15°	1555	1549	1547	1546	1547	438
25°	1407	1401	1394	1391	1389	648
35°	1209	1199	1186	1179	1178	754
45°	966	960	944	935	935	746
55°	719	706	693	685	683	642
65°	468	459	446	441	441	464
75°	239	231	224	221	226	253
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°	1633.3	1633.3	1633.3	1633.3	1633.3
2.5°	1633.3	1631.7	1630.1	1631.7	1634.9
5°	1628.4	1625.2	1625.2	1625.2	1628.4
7.5°	1617.0	1613.8	1612.2	1613.8	1615.4
10°	1600.8	1597.5	1595.9	1597.5	1599.2
12.5°	1578.0	1576.4	1574.7	1574.7	1576.4
15°	1555.2	1548.7	1547.1	1545.5	1547.1
17.5°	1522.7	1521.1	1514.6	1514.6	1514.6
20°	1486.9	1483.6	1478.8	1475.5	1475.5
22.5°	1449.5	1446.2	1438.1	1434.8	1436.5
25°	1407.2	1400.7	1394.2	1390.9	1389.3
27.5°	1361.6	1355.1	1345.4	1340.5	1340.5
30°	1312.8	1308.0	1296.6	1290.1	1288.4
32.5°	1259.1	1255.9	1239.6	1236.4	1236.4
35°	1208.7	1199.0	1185.9	1179.4	1177.8
37.5°	1148.5	1142.0	1129.0	1120.9	1119.2
40°	1088.3	1080.2	1067.2	1060.7	1059.1
42.5°	1028.1	1020.0	1007.0	998.9	997.2
45°	966.3	959.8	943.5	935.4	935.4
47.5°	907.8	894.7	880.1	873.6	872.0
50°	844.3	832.9	816.7	810.2	810.2
52.5°	780.9	772.7	754.8	751.6	748.3
55°	719.0	706.0	693.0	684.9	683.3
57.5°	652.3	641.0	627.9	621.4	621.4
60°	595.4	580.8	569.4	561.2	561.2
62.5°	530.3	517.3	505.9	501.1	499.4
65°	468.5	458.8	445.7	440.9	440.9
67.5°	406.7	398.6	387.2	382.3	383.9
70°	346.5	341.6	333.5	327.0	325.4
72.5°	291.2	284.7	276.6	274.9	274.9
75°	239.1	231.0	224.5	221.2	226.1
77.5°	185.5	180.6	177.3	175.7	177.3
80°	138.3	131.8	130.1	131.8	131.8
82.5°	96.0	92.7	91.1	91.1	91.1
85°	53.7	53.7	52.1	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)