

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: P995550

Luminaire Tested: 22D3X-LP-WD-55-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995550
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-L950.ies
Description: 2x2 D3X-LP AT 5500LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

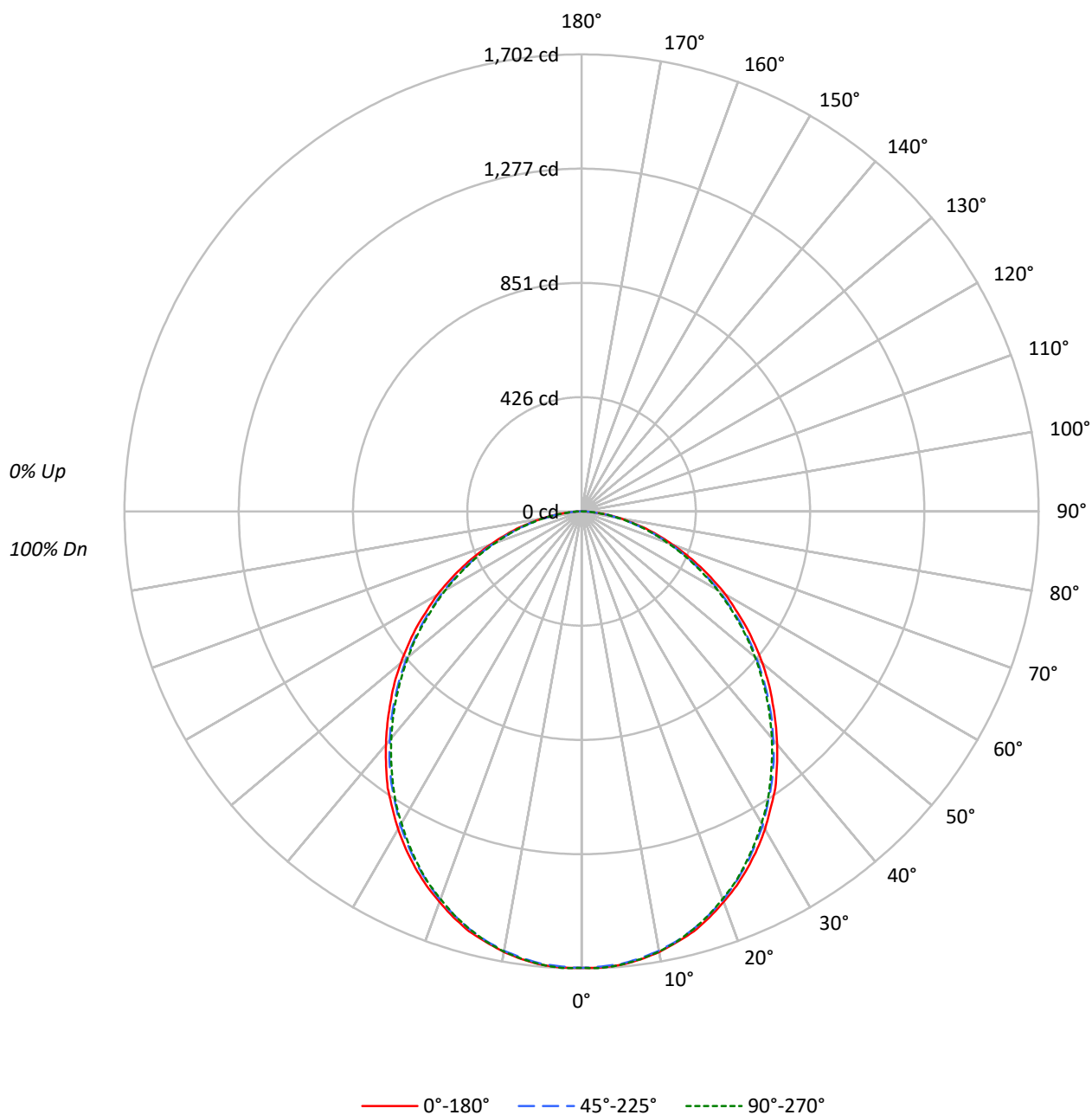
Lumens per Lamp: N/A
Luminaire Lumens: 4248.1 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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		
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°	4575	4575	4575
5°	4578	4569	4578
10°	4553	4539	4548
15°	4510	4486	4486
20°	4432	4407	4398
25°	4349	4309	4293
30°	4246	4193	4167
35°	4133	4055	4027
40°	3979	3902	3872
45°	3828	3737	3705
50°	3679	3558	3530
55°	3511	3384	3336
60°	3335	3189	3144
65°	3105	2954	2922
70°	2838	2731	2664
75°	2588	2430	2447
80°	2230	2100	2125
85°	1726	1673	1568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	3.8
10°-20°	454.0	10.7
20°-30°	668.7	15.7
30°-40°	773.6	18.2
40°-50°	760.5	17.9
50°-60°	648.1	15.3
60°-70°	464.4	10.9
70°-80°	252.2	5.9
80°-90°	65.8	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°	1283.4	30.2
0°-40°	2057.0	48.4
0°-60°	3465.6	81.6
0°-90°	4248.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4248.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1695	1692	1692	1692	1695	161
15°	1619	1612	1610	1608	1610	456
25°	1465	1458	1451	1448	1446	674
35°	1258	1248	1234	1228	1226	785
45°	1006	999	982	974	974	777
55°	748	735	721	713	711	668
65°	488	478	464	459	459	483
75°	249	240	234	230	235	263
85°	56	56	54	52	51	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1700.0	1698.3	1696.6	1698.3	1701.7
5°	1694.9	1691.5	1691.5	1691.5	1694.9
7.5°	1683.0	1679.7	1678.0	1679.7	1681.4
10°	1666.1	1662.7	1661.0	1662.7	1664.4
12.5°	1642.4	1640.7	1639.0	1639.0	1640.7
15°	1618.7	1611.9	1610.2	1608.5	1610.2
17.5°	1584.8	1583.1	1576.4	1576.4	1576.4
20°	1547.6	1544.2	1539.1	1535.7	1535.7
22.5°	1508.6	1505.3	1496.8	1493.4	1495.1
25°	1464.6	1457.8	1451.1	1447.7	1446.0
27.5°	1417.2	1410.4	1400.3	1395.2	1395.2
30°	1366.4	1361.3	1349.5	1342.7	1341.0
32.5°	1310.5	1307.2	1290.2	1286.8	1286.8
35°	1258.1	1247.9	1234.3	1227.6	1225.9
37.5°	1195.4	1188.6	1175.1	1166.6	1164.9
40°	1132.8	1124.3	1110.7	1104.0	1102.3
42.5°	1070.1	1061.6	1048.1	1039.6	1037.9
45°	1005.8	999.0	982.1	973.6	973.6
47.5°	944.8	931.3	916.0	909.3	907.6
50°	878.8	866.9	850.0	843.2	843.2
52.5°	812.7	804.3	785.6	782.3	778.9
55°	748.4	734.9	721.3	712.8	711.1
57.5°	679.0	667.1	653.6	646.8	646.8
60°	619.7	604.5	592.6	584.2	584.2
62.5°	552.0	538.4	526.6	521.5	519.8
65°	487.6	477.5	463.9	458.9	458.9
67.5°	423.3	414.8	403.0	397.9	399.6
70°	360.7	355.6	347.1	340.3	338.6
72.5°	303.1	296.3	287.8	286.2	286.2
75°	248.9	240.4	233.7	230.3	235.4
77.5°	193.0	187.9	184.6	182.9	184.6
80°	143.9	137.1	135.5	137.1	137.1
82.5°	99.9	96.5	94.8	94.8	94.8
85°	55.9	55.9	54.2	52.5	50.8
87.5°	22.0	22.0	23.7	23.7	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)