

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: P995548

Luminaire Tested: 22D3X-LP-WD-55-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995548
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-L935.ies
Description: 2x2 D3X-LP AT 5500LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

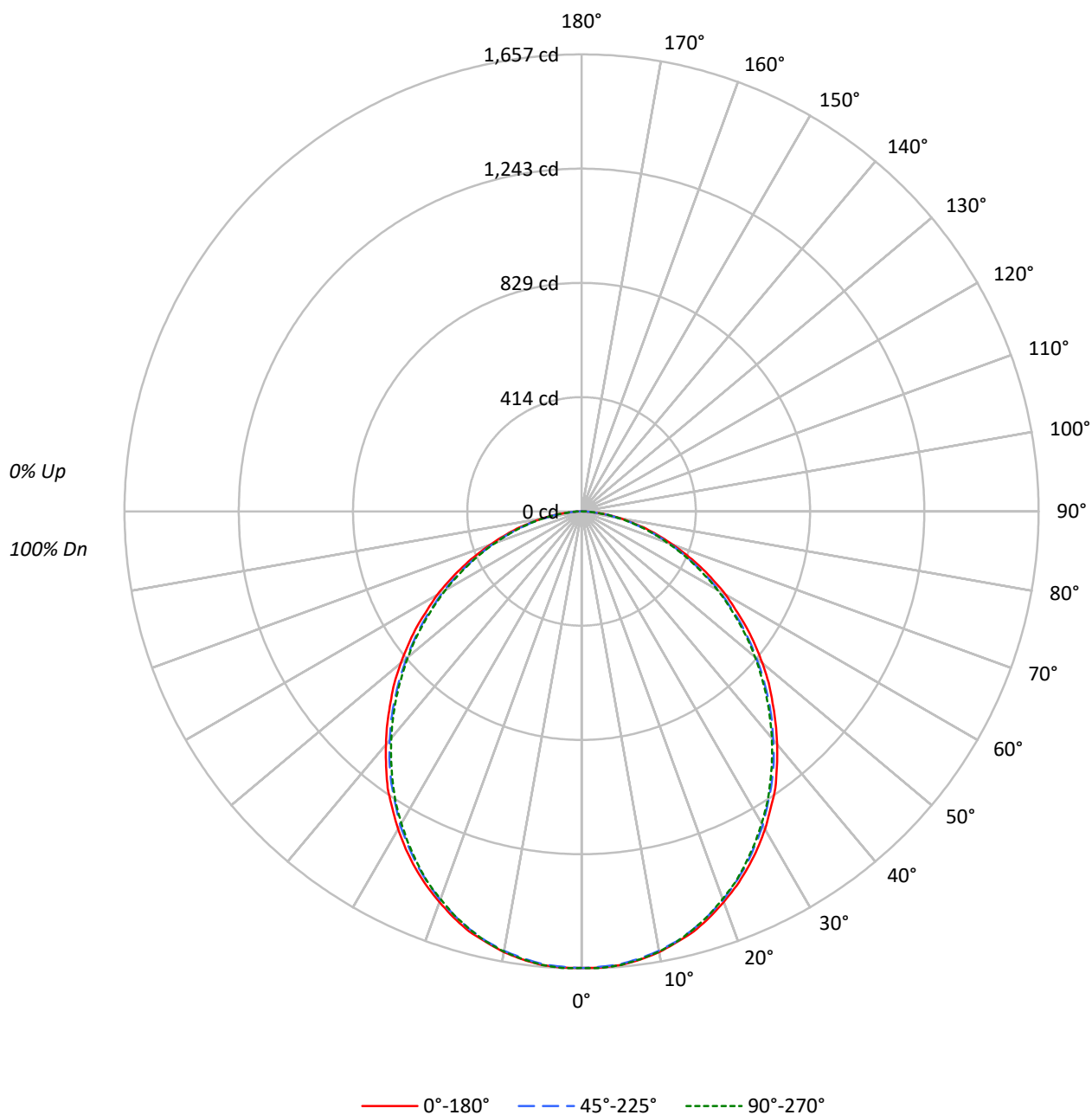
Lumens per Lamp: N/A
Luminaire Lumens: 4136.4 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4454	4454	4454
5°	4458	4449	4458
10°	4433	4420	4429
15°	4391	4368	4368
20°	4315	4292	4282
25°	4234	4195	4181
30°	4134	4083	4057
35°	4024	3948	3921
40°	3875	3799	3770
45°	3727	3639	3608
50°	3582	3465	3437
55°	3419	3295	3248
60°	3247	3105	3061
65°	3023	2876	2845
70°	2763	2659	2594
75°	2520	2365	2383
80°	2171	2044	2069
85°	1680	1630	1528

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3727 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	3.8
10°-20°	442.1	10.7
20°-30°	651.2	15.7
30°-40°	753.3	18.2
40°-50°	740.5	17.9
50°-60°	631.1	15.3
60°-70°	452.2	10.9
70°-80°	245.6	5.9
80°-90°	64.1	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°	1249.6	30.2
0°-40°	2002.9	48.4
0°-60°	3374.5	81.6
0°-90°	4136.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4136.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1655	1655	1655	1655	1655	
5°	1650	1647	1647	1647	1650	157
15°	1576	1570	1568	1566	1568	444
25°	1426	1420	1413	1410	1408	656
35°	1225	1215	1202	1195	1194	764
45°	979	973	956	948	948	756
55°	729	716	702	694	692	651
65°	475	465	452	447	447	470
75°	242	234	228	224	229	256
85°	54	54	53	51	50	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1655.3	1655.3	1655.3	1655.3	1655.3
2.5°	1655.3	1653.6	1652.0	1653.6	1656.9
5°	1650.3	1647.0	1647.0	1647.0	1650.3
7.5°	1638.8	1635.5	1633.9	1635.5	1637.1
10°	1622.3	1619.0	1617.4	1619.0	1620.7
12.5°	1599.2	1597.6	1595.9	1595.9	1597.6
15°	1576.1	1569.6	1567.9	1566.3	1567.9
17.5°	1543.2	1541.5	1534.9	1534.9	1534.9
20°	1506.9	1503.6	1498.7	1495.4	1495.4
22.5°	1469.0	1465.7	1457.4	1454.1	1455.8
25°	1426.1	1419.5	1412.9	1409.6	1408.0
27.5°	1380.0	1373.4	1363.5	1358.5	1358.5
30°	1330.5	1325.5	1314.0	1307.4	1305.8
32.5°	1276.1	1272.8	1256.3	1253.0	1253.0
35°	1225.0	1215.1	1201.9	1195.3	1193.7
37.5°	1164.0	1157.4	1144.2	1135.9	1134.3
40°	1103.0	1094.7	1081.5	1074.9	1073.3
42.5°	1042.0	1033.7	1020.5	1012.3	1010.6
45°	979.3	972.7	956.2	948.0	948.0
47.5°	920.0	906.8	891.9	885.3	883.7
50°	855.7	844.1	827.6	821.0	821.0
52.5°	791.4	783.1	765.0	761.7	758.4
55°	728.7	715.5	702.3	694.1	692.4
57.5°	661.1	649.6	636.4	629.8	629.8
60°	603.4	588.6	577.0	568.8	568.8
62.5°	537.5	524.3	512.7	507.8	506.1
65°	474.8	464.9	451.7	446.8	446.8
67.5°	412.2	403.9	392.4	387.4	389.1
70°	351.2	346.2	338.0	331.4	329.7
72.5°	295.1	288.5	280.3	278.6	278.6
75°	242.4	234.1	227.5	224.2	229.2
77.5°	188.0	183.0	179.7	178.1	179.7
80°	140.1	133.5	131.9	133.5	133.5
82.5°	97.3	94.0	92.3	92.3	92.3
85°	54.4	54.4	52.8	51.1	49.5
87.5°	21.4	21.4	23.1	23.1	24.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)