

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: P995494

Luminaire Tested: 22D3X-LP-WD-25-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995494
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-25-L935.ies
Description: 2x2 D3X-LP AT 2500LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

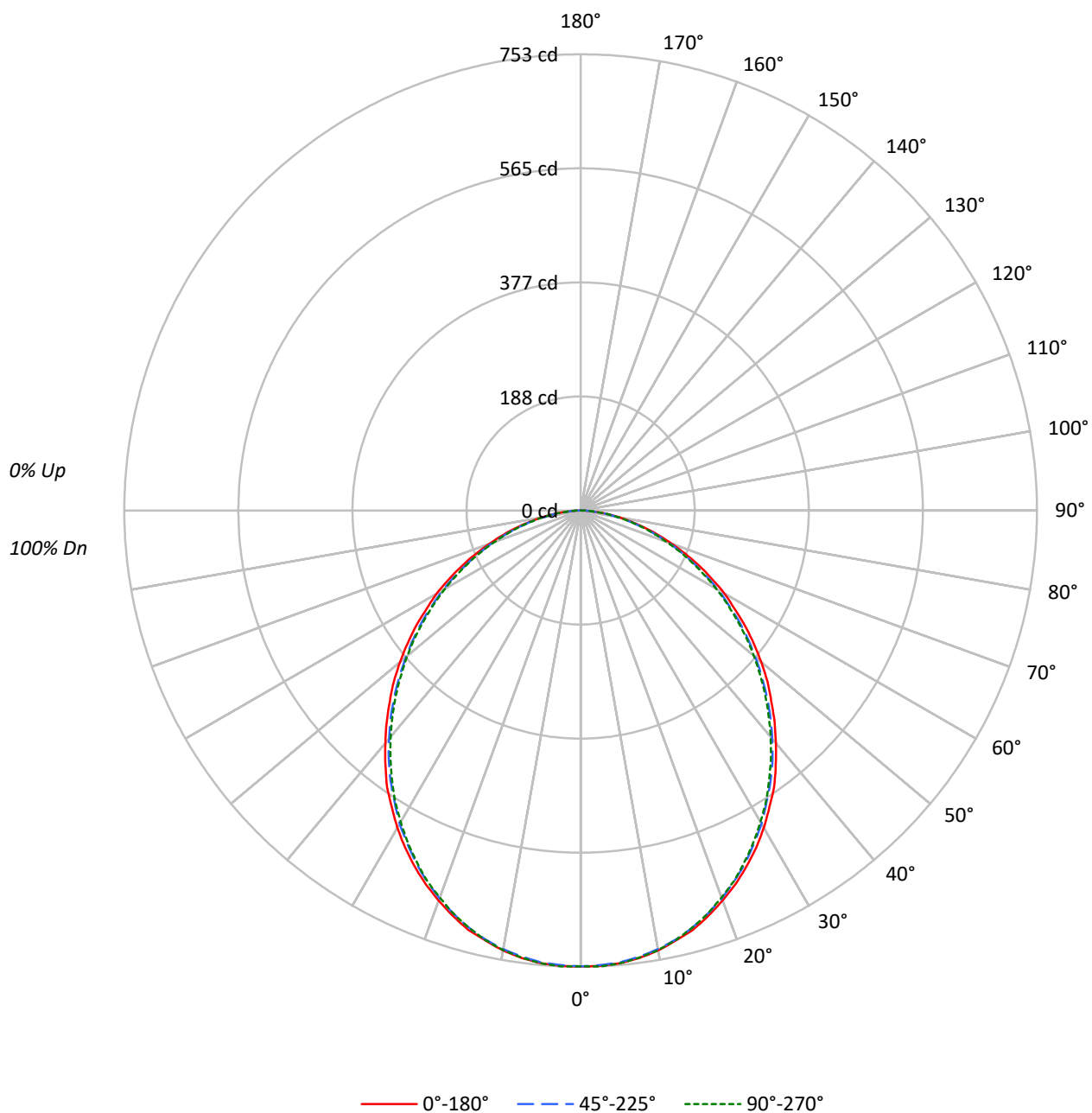
Lumens per Lamp: N/A
Luminaire Lumens: 1880.1 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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°	2025	2025	2025
5°	2026	2022	2026
10°	2015	2009	2013
15°	1996	1986	1986
20°	1961	1951	1946
25°	1925	1907	1900
30°	1879	1856	1844
35°	1829	1795	1782
40°	1761	1727	1714
45°	1694	1654	1640
50°	1628	1575	1562
55°	1554	1498	1476
60°	1476	1412	1391
65°	1374	1307	1293
70°	1256	1209	1179
75°	1146	1075	1083
80°	987	928	941
85°	763	741	695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	3.8
10°-20°	201.0	10.7
20°-30°	296.0	15.7
30°-40°	342.4	18.2
40°-50°	336.6	17.9
50°-60°	286.9	15.3
60°-70°	205.5	10.9
70°-80°	111.6	5.9
80°-90°	29.1	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°	568.0	30.2
0°-40°	910.4	48.4
0°-60°	1533.8	81.6
0°-90°	1880.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1880.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	750	749	749	749	750	71
15°	716	713	713	712	713	202
25°	648	645	642	641	640	298
35°	557	552	546	543	542	347
45°	445	442	435	431	431	344
55°	331	325	319	316	315	296
65°	216	211	205	203	203	214
75°	110	106	103	102	104	116
85°	25	25	24	23	22	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.4	752.4	752.4	752.4	752.4
2.5°	752.4	751.6	750.9	751.6	753.1
5°	750.1	748.6	748.6	748.6	750.1
7.5°	744.9	743.4	742.6	743.4	744.1
10°	737.4	735.9	735.1	735.9	736.6
12.5°	726.9	726.1	725.4	725.4	726.1
15°	716.4	713.4	712.7	711.9	712.7
17.5°	701.4	700.7	697.7	697.7	697.7
20°	684.9	683.4	681.2	679.7	679.7
22.5°	667.7	666.2	662.4	660.9	661.7
25°	648.2	645.2	642.2	640.7	640.0
27.5°	627.2	624.2	619.7	617.5	617.5
30°	604.7	602.5	597.2	594.3	593.5
32.5°	580.0	578.5	571.0	569.5	569.5
35°	556.8	552.3	546.3	543.3	542.5
37.5°	529.1	526.1	520.1	516.3	515.6
40°	501.3	497.6	491.6	488.6	487.8
42.5°	473.6	469.9	463.9	460.1	459.4
45°	445.1	442.1	434.6	430.9	430.9
47.5°	418.1	412.2	405.4	402.4	401.7
50°	388.9	383.7	376.2	373.2	373.2
52.5°	359.7	356.0	347.7	346.2	344.7
55°	331.2	325.2	319.2	315.5	314.7
57.5°	300.5	295.3	289.3	286.3	286.3
60°	274.3	267.5	262.3	258.5	258.5
62.5°	244.3	238.3	233.1	230.8	230.1
65°	215.8	211.3	205.3	203.1	203.1
67.5°	187.3	183.6	178.4	176.1	176.9
70°	159.6	157.4	153.6	150.6	149.9
72.5°	134.1	131.1	127.4	126.6	126.6
75°	110.2	106.4	103.4	101.9	104.2
77.5°	85.4	83.2	81.7	80.9	81.7
80°	63.7	60.7	59.9	60.7	60.7
82.5°	44.2	42.7	42.0	42.0	42.0
85°	24.7	24.7	24.0	23.2	22.5
87.5°	9.7	9.7	10.5	10.5	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)