

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: P995503

Luminaire Tested: 22D3X-LP-WD-30-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995503
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-30-L935.ies
Description: 2x2 D3X-LP AT 3000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

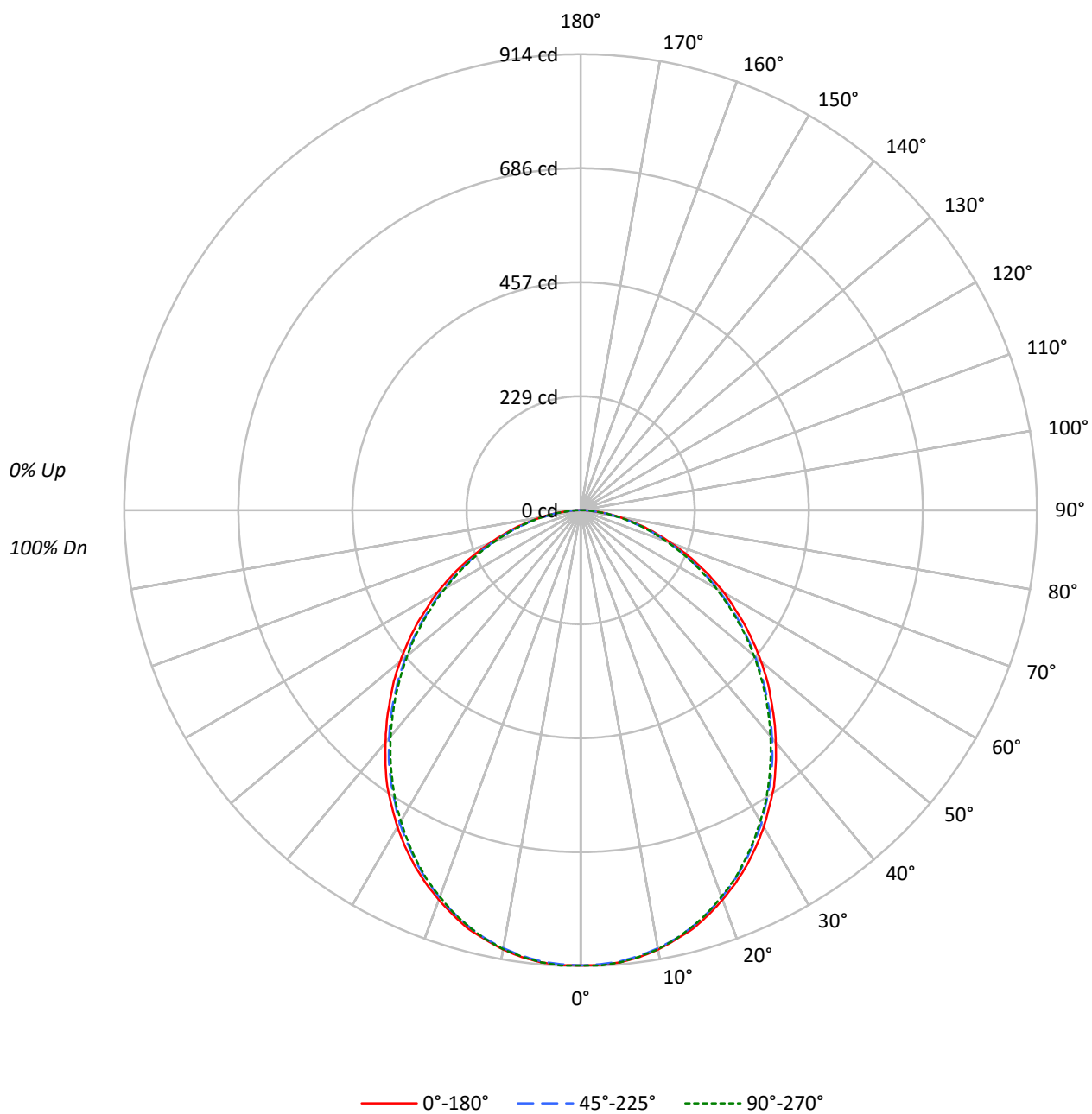
Lumens per Lamp: N/A
Luminaire Lumens: 2280.6 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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

TEST NUMBER: P995503

CATALOG NUMBER: 22D3X-LP-WD-30-L935.ies

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°	2456	2456	2456
5°	2458	2453	2458
10°	2444	2437	2442
15°	2421	2408	2408
20°	2379	2366	2361
25°	2335	2313	2305
30°	2279	2251	2237
35°	2219	2177	2162
40°	2136	2095	2079
45°	2055	2006	1989
50°	1975	1910	1895
55°	1885	1817	1791
60°	1791	1713	1688
65°	1667	1586	1568
70°	1523	1466	1430
75°	1389	1304	1314
80°	1198	1127	1141
85°	926	898	843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2055 cd/sqm

TEST NUMBER: P995503

CATALOG NUMBER: 22D3X-LP-WD-30-L935.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	3.8
10°-20°	243.8	10.7
20°-30°	359.0	15.7
30°-40°	415.3	18.2
40°-50°	408.3	17.9
50°-60°	348.0	15.3
60°-70°	249.3	10.9
70°-80°	135.4	5.9
80°-90°	35.3	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°	689.0	30.2
0°-40°	1104.3	48.4
0°-60°	1860.5	81.6
0°-90°	2280.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2280.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	910	908	908	908	910	86
15°	869	865	864	864	864	245
25°	786	783	779	777	776	362
35°	675	670	663	659	658	421
45°	540	536	527	523	523	417
55°	402	394	387	383	382	359
65°	262	256	249	246	246	259
75°	134	129	125	124	126	141
85°	30	30	29	28	27	36
90°	0	0	0	0	0	

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CATALOG NUMBER: 22D3X-LP-WD-30-L935.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	912.6	912.6	912.6	912.6	912.6
2.5°	912.6	911.7	910.8	911.7	913.5
5°	909.9	908.1	908.1	908.1	909.9
7.5°	903.5	901.7	900.8	901.7	902.6
10°	894.5	892.6	891.7	892.6	893.6
12.5°	881.7	880.8	879.9	879.9	880.8
15°	869.0	865.4	864.5	863.6	864.5
17.5°	850.8	849.9	846.3	846.3	846.3
20°	830.8	829.0	826.3	824.5	824.5
22.5°	809.9	808.1	803.6	801.7	802.6
25°	786.3	782.7	779.0	777.2	776.3
27.5°	760.8	757.2	751.7	749.0	749.0
30°	733.6	730.8	724.5	720.8	719.9
32.5°	703.6	701.8	692.7	690.8	690.8
35°	675.4	669.9	662.7	659.0	658.1
37.5°	641.8	638.1	630.8	626.3	625.4
40°	608.1	603.6	596.3	592.7	591.8
42.5°	574.5	569.9	562.7	558.1	557.2
45°	539.9	536.3	527.2	522.7	522.7
47.5°	507.2	500.0	491.8	488.1	487.2
50°	471.8	465.4	456.3	452.7	452.7
52.5°	436.3	431.8	421.8	420.0	418.1
55°	401.8	394.5	387.2	382.7	381.8
57.5°	364.5	358.1	350.9	347.2	347.2
60°	332.7	324.5	318.2	313.6	313.6
62.5°	296.3	289.1	282.7	280.0	279.1
65°	261.8	256.3	249.1	246.3	246.3
67.5°	227.3	222.7	216.3	213.6	214.5
70°	193.6	190.9	186.3	182.7	181.8
72.5°	162.7	159.1	154.5	153.6	153.6
75°	133.6	129.1	125.4	123.6	126.4
77.5°	103.6	100.9	99.1	98.2	99.1
80°	77.3	73.6	72.7	73.6	73.6
82.5°	53.6	51.8	50.9	50.9	50.9
85°	30.0	30.0	29.1	28.2	27.3
87.5°	11.8	11.8	12.7	12.7	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)