

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: P995497

Luminaire Tested: 22D3X-LP-WD-30-L830.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995497
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-L830.ies
Description: 2x2 D3X-LP AT 3000LM 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

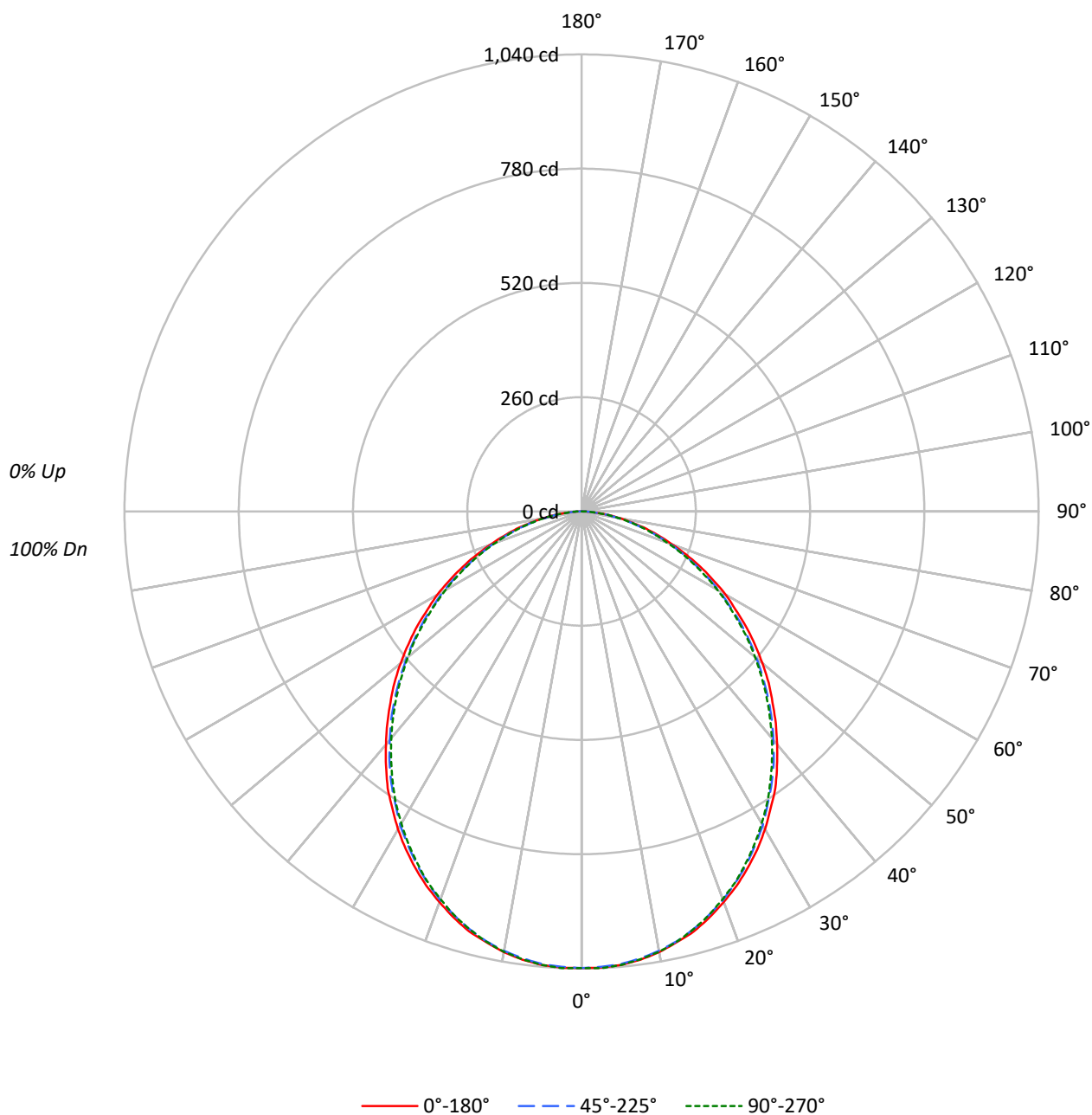
Lumens per Lamp: N/A
Luminaire Lumens: 2596.5 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P995497

CATALOG NUMBER: 22D3X-LP-WD-30-L830.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°	2796	2796	2796
5°	2798	2793	2798
10°	2783	2774	2780
15°	2756	2742	2742
20°	2709	2694	2688
25°	2658	2633	2624
30°	2595	2563	2547
35°	2526	2479	2462
40°	2432	2385	2367
45°	2339	2285	2265
50°	2249	2175	2158
55°	2146	2069	2039
60°	2039	1949	1921
65°	1898	1806	1786
70°	1734	1670	1629
75°	1581	1485	1496
80°	1364	1283	1299
85°	1056	1022	957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2339 cd/sqm

TEST NUMBER: P995497

CATALOG NUMBER: 22D3X-LP-WD-30-L830.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	3.8
10°-20°	277.5	10.7
20°-30°	408.7	15.7
30°-40°	472.8	18.2
40°-50°	464.9	17.9
50°-60°	396.2	15.3
60°-70°	283.9	10.9
70°-80°	154.2	5.9
80°-90°	40.2	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°	784.4	30.2
0°-40°	1257.3	48.4
0°-60°	2118.3	81.6
0°-90°	2596.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2596.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1036	1034	1034	1034	1036	98
15°	989	985	984	983	984	278
25°	895	891	887	885	884	412
35°	769	763	754	750	749	480
45°	615	611	600	595	595	475
55°	457	449	441	436	435	408
65°	298	292	284	280	280	295
75°	152	147	143	141	144	161
85°	34	34	33	32	31	42
90°	0	0	0	0	0	

TEST NUMBER: P995497

CATALOG NUMBER: 22D3X-LP-WD-30-L830.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1039.1	1039.1	1039.1	1039.1	1039.1
2.5°	1039.1	1038.0	1037.0	1038.0	1040.1
5°	1035.9	1033.9	1033.9	1033.9	1035.9
7.5°	1028.7	1026.6	1025.6	1026.6	1027.7
10°	1018.4	1016.3	1015.3	1016.3	1017.3
12.5°	1003.9	1002.8	1001.8	1001.8	1002.8
15°	989.4	985.2	984.2	983.2	984.2
17.5°	968.7	967.6	963.5	963.5	963.5
20°	945.9	943.8	940.7	938.7	938.7
22.5°	922.1	920.0	914.9	912.8	913.8
25°	895.2	891.1	886.9	884.9	883.8
27.5°	866.2	862.1	855.9	852.8	852.8
30°	835.2	832.1	824.8	820.7	819.7
32.5°	801.0	799.0	788.6	786.5	786.5
35°	768.9	762.7	754.5	750.3	749.3
37.5°	730.7	726.5	718.2	713.1	712.0
40°	692.4	687.2	678.9	674.8	673.7
42.5°	654.1	648.9	640.6	635.4	634.4
45°	614.7	610.6	600.3	595.1	595.1
47.5°	577.5	569.2	559.9	555.7	554.7
50°	537.1	529.9	519.5	515.4	515.4
52.5°	496.8	491.6	480.2	478.1	476.1
55°	457.4	449.2	440.9	435.7	434.7
57.5°	415.0	407.8	399.5	395.3	395.3
60°	378.8	369.5	362.2	357.0	357.0
62.5°	337.4	329.1	321.9	318.8	317.7
65°	298.1	291.8	283.6	280.5	280.5
67.5°	258.7	253.6	246.3	243.2	244.2
70°	220.4	217.3	212.2	208.0	207.0
72.5°	185.2	181.1	175.9	174.9	174.9
75°	152.1	147.0	142.8	140.7	143.9
77.5°	118.0	114.9	112.8	111.8	112.8
80°	88.0	83.8	82.8	83.8	83.8
82.5°	61.1	59.0	58.0	58.0	58.0
85°	34.2	34.2	33.1	32.1	31.0
87.5°	13.5	13.5	14.5	14.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)