

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: P995500

Luminaire Tested: 22D3X-LP-WD-30-L850.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995500
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-L850.ies
Description: 2x2 D3X-LP AT 3000LM 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

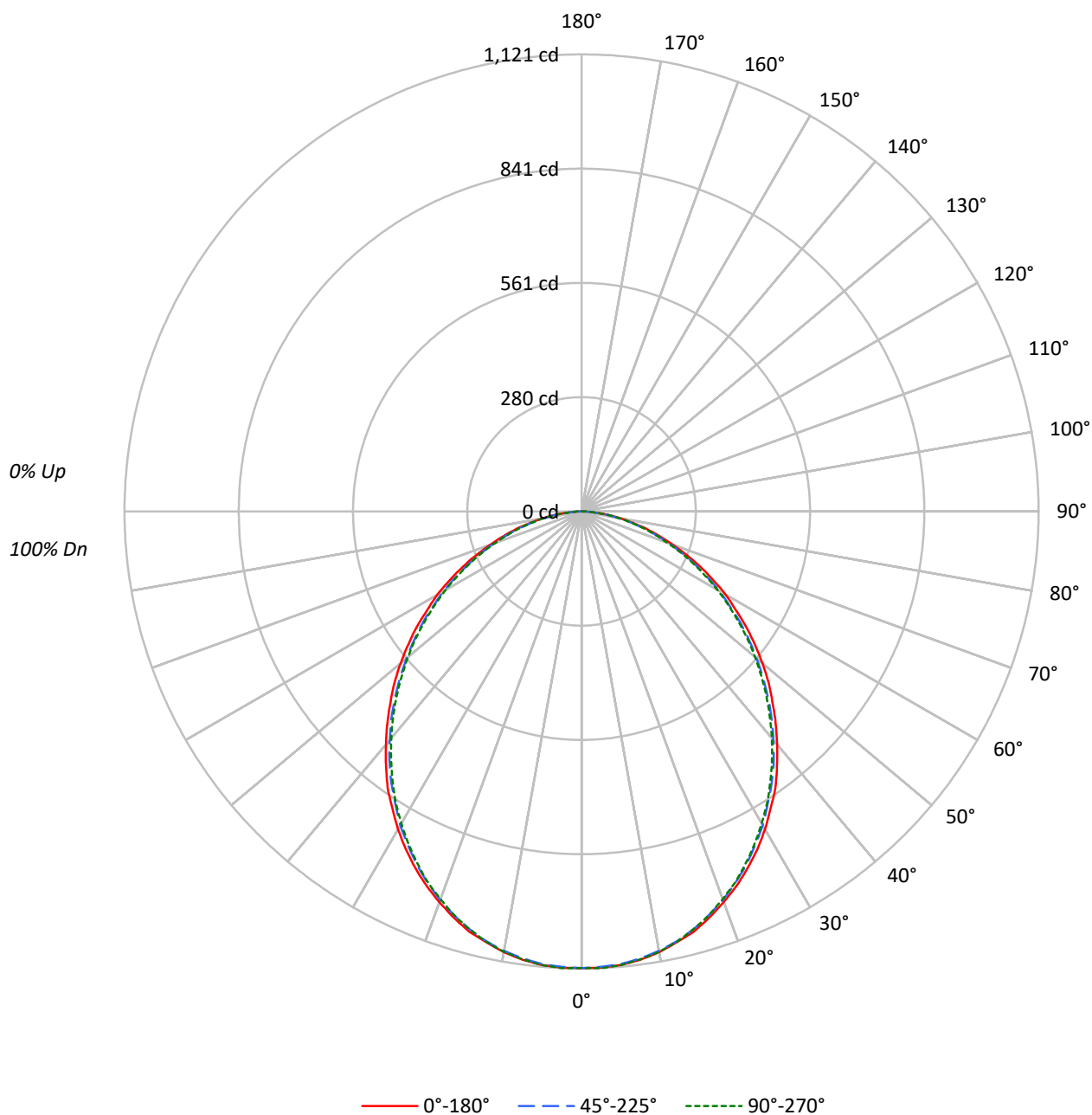
Lumens per Lamp: N/A
Luminaire Lumens: 2798.8 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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°	3014	3014	3014
5°	3016	3010	3016
10°	2999	2990	2996
15°	2971	2956	2956
20°	2920	2904	2897
25°	2865	2839	2829
30°	2797	2763	2745
35°	2723	2671	2653
40°	2622	2571	2551
45°	2522	2462	2441
50°	2424	2344	2326
55°	2313	2229	2198
60°	2197	2101	2072
65°	2046	1947	1925
70°	1869	1799	1755
75°	1705	1600	1613
80°	1469	1382	1401
85°	1136	1102	1034

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	3.8
10°-20°	299.1	10.7
20°-30°	440.6	15.7
30°-40°	509.7	18.2
40°-50°	501.1	17.9
50°-60°	427.0	15.3
60°-70°	306.0	10.9
70°-80°	166.2	5.9
80°-90°	43.4	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°	845.5	30.2
0°-40°	1355.2	48.4
0°-60°	2283.3	81.6
0°-90°	2798.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2798.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1117	1114	1114	1114	1117	106
15°	1066	1062	1061	1060	1061	300
25°	965	960	956	954	953	444
35°	829	822	813	809	808	517
45°	663	658	647	641	641	512
55°	493	484	475	470	468	440
65°	321	315	306	302	302	318
75°	164	158	154	152	155	173
85°	37	37	36	35	34	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.0	1120.0	1120.0	1120.0	1120.0
2.5°	1120.0	1118.9	1117.8	1118.9	1121.1
5°	1116.7	1114.4	1114.4	1114.4	1116.7
7.5°	1108.8	1106.6	1105.5	1106.6	1107.7
10°	1097.7	1095.5	1094.3	1095.5	1096.6
12.5°	1082.1	1081.0	1079.8	1079.8	1081.0
15°	1066.5	1062.0	1060.9	1059.8	1060.9
17.5°	1044.1	1043.0	1038.6	1038.6	1038.6
20°	1019.6	1017.4	1014.0	1011.8	1011.8
22.5°	993.9	991.7	986.1	983.9	985.0
25°	964.9	960.5	956.0	953.8	952.7
27.5°	933.7	929.2	922.6	919.2	919.2
30°	900.2	896.9	889.1	884.6	883.5
32.5°	863.4	861.2	850.0	847.8	847.8
35°	828.8	822.2	813.2	808.8	807.7
37.5°	787.6	783.1	774.2	768.6	767.5
40°	746.3	740.7	731.8	727.3	726.2
42.5°	705.0	699.4	690.5	684.9	683.8
45°	662.6	658.2	647.0	641.4	641.4
47.5°	622.5	613.5	603.5	599.0	597.9
50°	579.0	571.2	560.0	555.5	555.5
52.5°	535.5	529.9	517.6	515.4	513.1
55°	493.1	484.1	475.2	469.6	468.5
57.5°	447.3	439.5	430.6	426.1	426.1
60°	408.3	398.2	390.4	384.9	384.9
62.5°	363.7	354.7	346.9	343.6	342.5
65°	321.3	314.6	305.7	302.3	302.3
67.5°	278.9	273.3	265.5	262.2	263.3
70°	237.6	234.3	228.7	224.2	223.1
72.5°	199.7	195.2	189.6	188.5	188.5
75°	164.0	158.4	153.9	151.7	155.1
77.5°	127.2	123.8	121.6	120.5	121.6
80°	94.8	90.4	89.2	90.4	90.4
82.5°	65.8	63.6	62.5	62.5	62.5
85°	36.8	36.8	35.7	34.6	33.5
87.5°	14.5	14.5	15.6	15.6	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)