

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: P995499

Luminaire Tested: 22D3X-LP-WD-30-L840.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995499
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-L840.ies
Description: 2x2 D3X-LP AT 3000LM 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

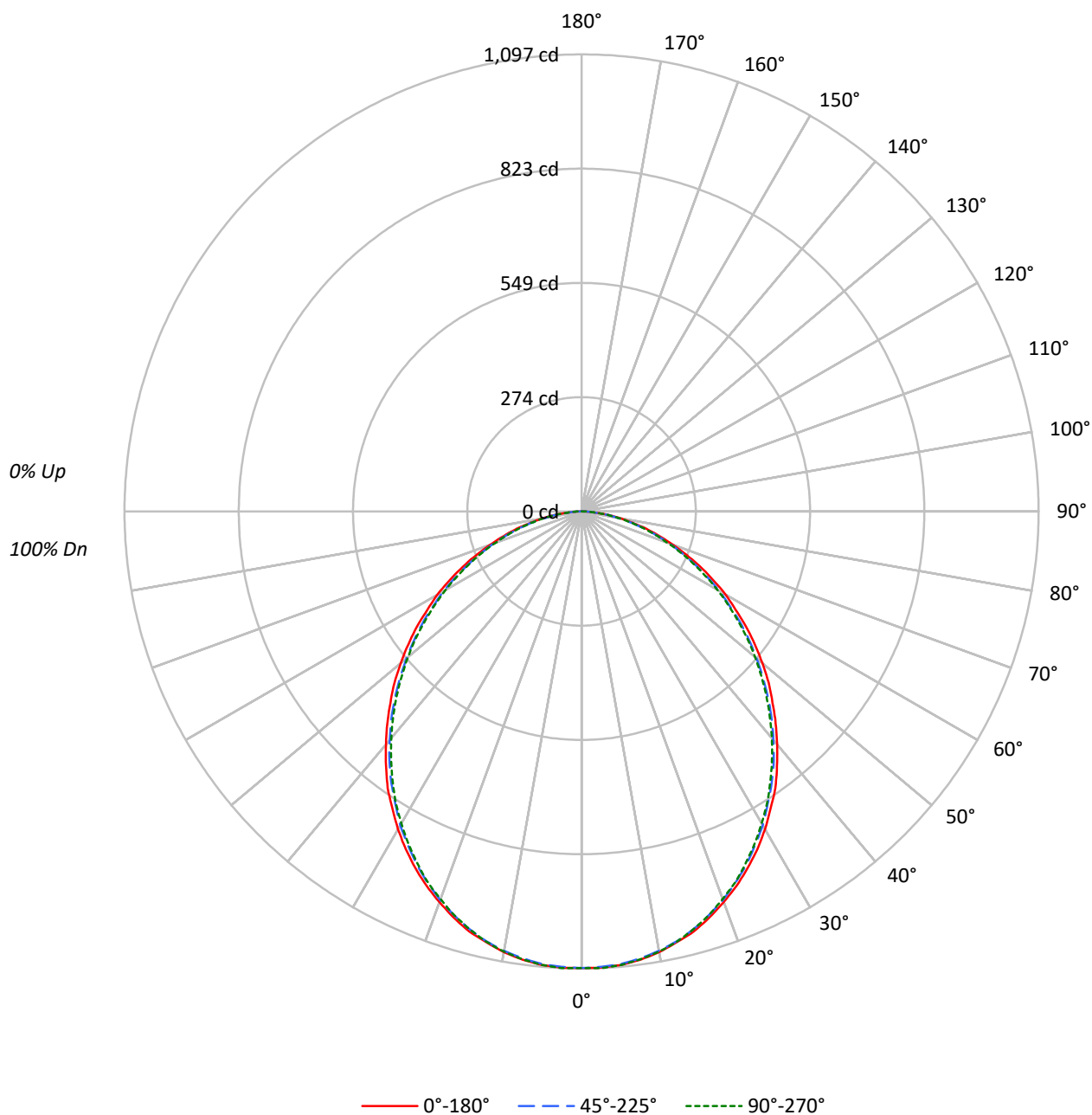
Lumens per Lamp: N/A
Luminaire Lumens: 2738.7 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2949	2949	2949
5°	2952	2946	2952
10°	2935	2926	2932
15°	2907	2892	2892
20°	2857	2842	2835
25°	2803	2778	2768
30°	2737	2703	2686
35°	2665	2614	2596
40°	2565	2516	2496
45°	2468	2409	2389
50°	2372	2294	2276
55°	2264	2182	2151
60°	2150	2056	2027
65°	2002	1904	1883
70°	1829	1761	1718
75°	1669	1566	1577
80°	1438	1353	1370
85°	1112	1078	1010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2468 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	3.8
10°-20°	292.7	10.7
20°-30°	431.1	15.7
30°-40°	498.7	18.2
40°-50°	490.3	17.9
50°-60°	417.9	15.3
60°-70°	299.4	10.9
70°-80°	162.6	5.9
80°-90°	42.4	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°	827.4	30.2
0°-40°	1326.1	48.4
0°-60°	2234.3	81.6
0°-90°	2738.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2738.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1096	1096	1096	1096	1096	
5°	1093	1090	1090	1090	1093	104
15°	1044	1039	1038	1037	1038	294
25°	944	940	936	933	932	435
35°	811	804	796	791	790	506
45°	648	644	633	628	628	501
55°	482	474	465	460	458	431
65°	314	308	299	296	296	311
75°	160	155	151	148	152	170
85°	36	36	35	34	33	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1096.0	1096.0	1096.0	1096.0	1096.0
2.5°	1096.0	1094.9	1093.8	1094.9	1097.1
5°	1092.7	1090.5	1090.5	1090.5	1092.7
7.5°	1085.0	1082.9	1081.8	1082.9	1084.0
10°	1074.1	1071.9	1070.9	1071.9	1073.0
12.5°	1058.8	1057.8	1056.7	1056.7	1057.8
15°	1043.6	1039.2	1038.1	1037.0	1038.1
17.5°	1021.7	1020.6	1016.3	1016.3	1016.3
20°	997.7	995.5	992.3	990.1	990.1
22.5°	972.6	970.4	965.0	962.8	963.9
25°	944.2	939.9	935.5	933.3	932.2
27.5°	913.7	909.3	902.7	899.5	899.5
30°	880.9	877.6	870.0	865.6	864.5
32.5°	844.9	842.7	831.8	829.6	829.6
35°	811.1	804.5	795.8	791.4	790.3
37.5°	770.7	766.3	757.6	752.1	751.0
40°	730.3	724.8	716.1	711.7	710.6
42.5°	689.9	684.4	675.7	670.2	669.1
45°	648.4	644.0	633.1	627.7	627.7
47.5°	609.1	600.4	590.6	586.2	585.1
50°	566.5	558.9	548.0	543.6	543.6
52.5°	524.0	518.5	506.5	504.3	502.1
55°	482.5	473.8	465.0	459.6	458.5
57.5°	437.7	430.1	421.4	417.0	417.0
60°	399.5	389.7	382.1	376.6	376.6
62.5°	355.9	347.1	339.5	336.2	335.1
65°	314.4	307.8	299.1	295.8	295.8
67.5°	272.9	267.4	259.8	256.5	257.6
70°	232.5	229.2	223.8	219.4	218.3
72.5°	195.4	191.0	185.6	184.5	184.5
75°	160.5	155.0	150.6	148.5	151.7
77.5°	124.4	121.2	119.0	117.9	119.0
80°	92.8	88.4	87.3	88.4	88.4
82.5°	64.4	62.2	61.1	61.1	61.1
85°	36.0	36.0	34.9	33.8	32.7
87.5°	14.2	14.2	15.3	15.3	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)