

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: P995505

Luminaire Tested: 22D3X-LP-WD-30-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995505
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-L950.ies
Description: 2x2 D3X-LP AT 3000LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

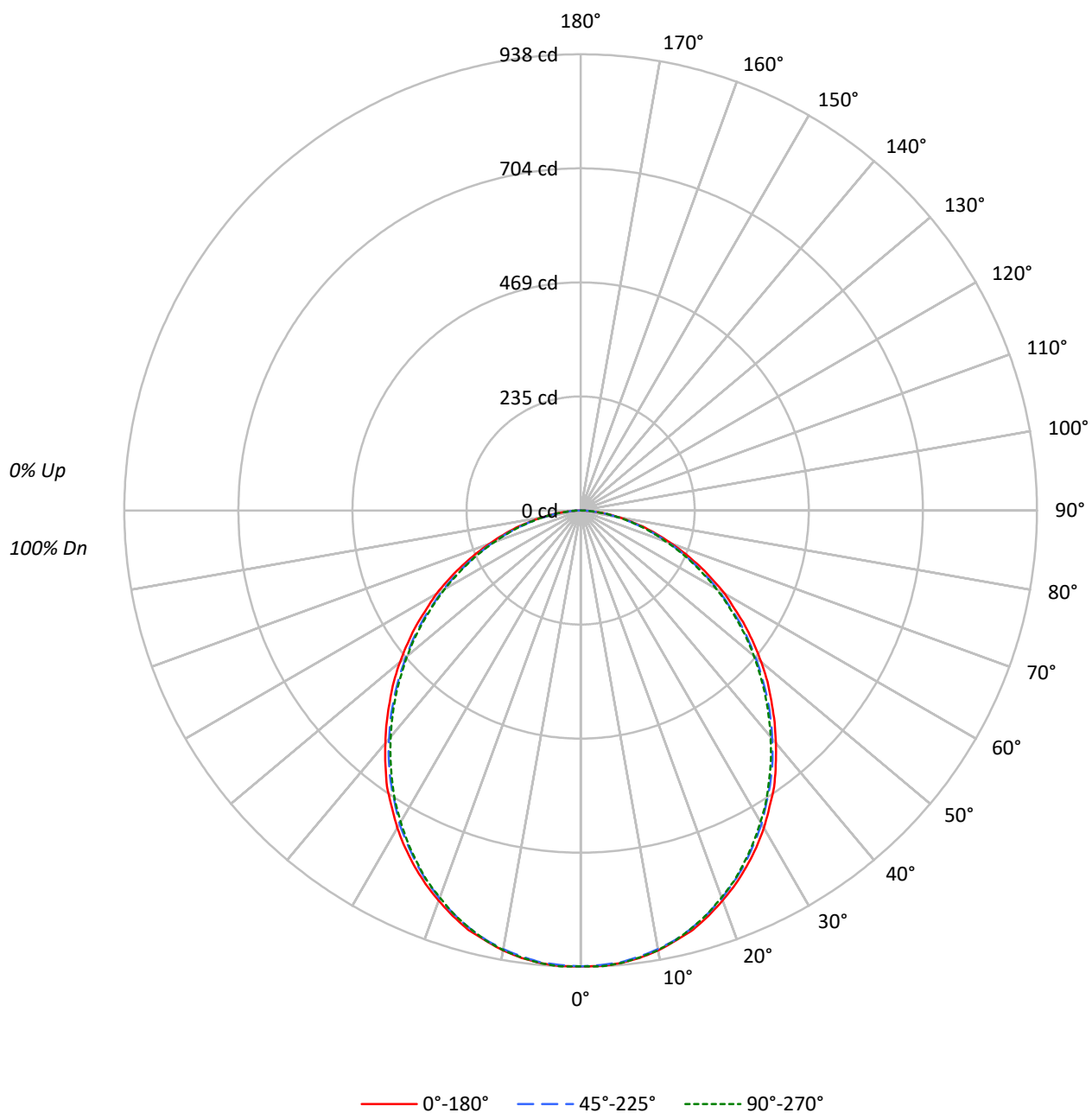
Lumens per Lamp: N/A
Luminaire Lumens: 2342.2 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2522	2522	2522
5°	2524	2519	2524
10°	2510	2502	2508
15°	2486	2473	2473
20°	2444	2430	2425
25°	2398	2375	2367
30°	2341	2312	2298
35°	2279	2236	2220
40°	2194	2151	2135
45°	2110	2061	2043
50°	2028	1962	1946
55°	1936	1866	1840
60°	1839	1758	1734
65°	1712	1629	1611
70°	1564	1506	1469
75°	1426	1339	1350
80°	1230	1158	1172
85°	951	923	865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	3.8
10°-20°	250.3	10.7
20°-30°	368.7	15.7
30°-40°	426.5	18.2
40°-50°	419.3	17.9
50°-60°	357.4	15.3
60°-70°	256.1	10.9
70°-80°	139.1	5.9
80°-90°	36.3	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°	707.6	30.2
0°-40°	1134.1	48.4
0°-60°	1910.8	81.6
0°-90°	2342.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2342.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	934	933	933	933	934	89
15°	892	889	888	887	888	251
25°	808	804	800	798	797	372
35°	694	688	681	677	676	433
45°	554	551	542	537	537	428
55°	413	405	398	393	392	368
65°	269	263	256	253	253	266
75°	137	133	129	127	130	145
85°	31	31	30	29	28	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	937.3	937.3	937.3	937.3	937.3
2.5°	937.3	936.3	935.4	936.3	938.2
5°	934.5	932.6	932.6	932.6	934.5
7.5°	927.9	926.1	925.1	926.1	927.0
10°	918.6	916.7	915.8	916.7	917.7
12.5°	905.5	904.6	903.7	903.7	904.6
15°	892.5	888.7	887.8	886.9	887.8
17.5°	873.8	872.9	869.1	869.1	869.1
20°	853.3	851.4	848.6	846.7	846.7
22.5°	831.8	829.9	825.3	823.4	824.3
25°	807.5	803.8	800.0	798.2	797.2
27.5°	781.4	777.6	772.0	769.2	769.2
30°	753.4	750.6	744.0	740.3	739.4
32.5°	722.6	720.7	711.4	709.5	709.5
35°	693.6	688.0	680.6	676.8	675.9
37.5°	659.1	655.3	647.9	643.2	642.3
40°	624.5	619.9	612.4	608.7	607.7
42.5°	590.0	585.3	577.9	573.2	572.3
45°	554.5	550.8	541.5	536.8	536.8
47.5°	520.9	513.5	505.0	501.3	500.4
50°	484.5	478.0	468.6	464.9	464.9
52.5°	448.1	443.4	433.2	431.3	429.4
55°	412.6	405.2	397.7	393.0	392.1
57.5°	374.4	367.8	360.3	356.6	356.6
60°	341.7	333.3	326.7	322.1	322.1
62.5°	304.3	296.9	290.3	287.5	286.6
65°	268.9	263.3	255.8	253.0	253.0
67.5°	233.4	228.7	222.2	219.4	220.3
70°	198.8	196.0	191.4	187.6	186.7
72.5°	167.1	163.4	158.7	157.8	157.8
75°	137.2	132.6	128.8	127.0	129.8
77.5°	106.4	103.6	101.8	100.8	101.8
80°	79.4	75.6	74.7	75.6	75.6
82.5°	55.1	53.2	52.3	52.3	52.3
85°	30.8	30.8	29.9	28.9	28.0
87.5°	12.1	12.1	13.1	13.1	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)