

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: P995523

Luminaire Tested: 22D3X-LP-WD-40-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995523
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-40-L950.ies
Description: 2x2 D3X-LP AT 4000LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

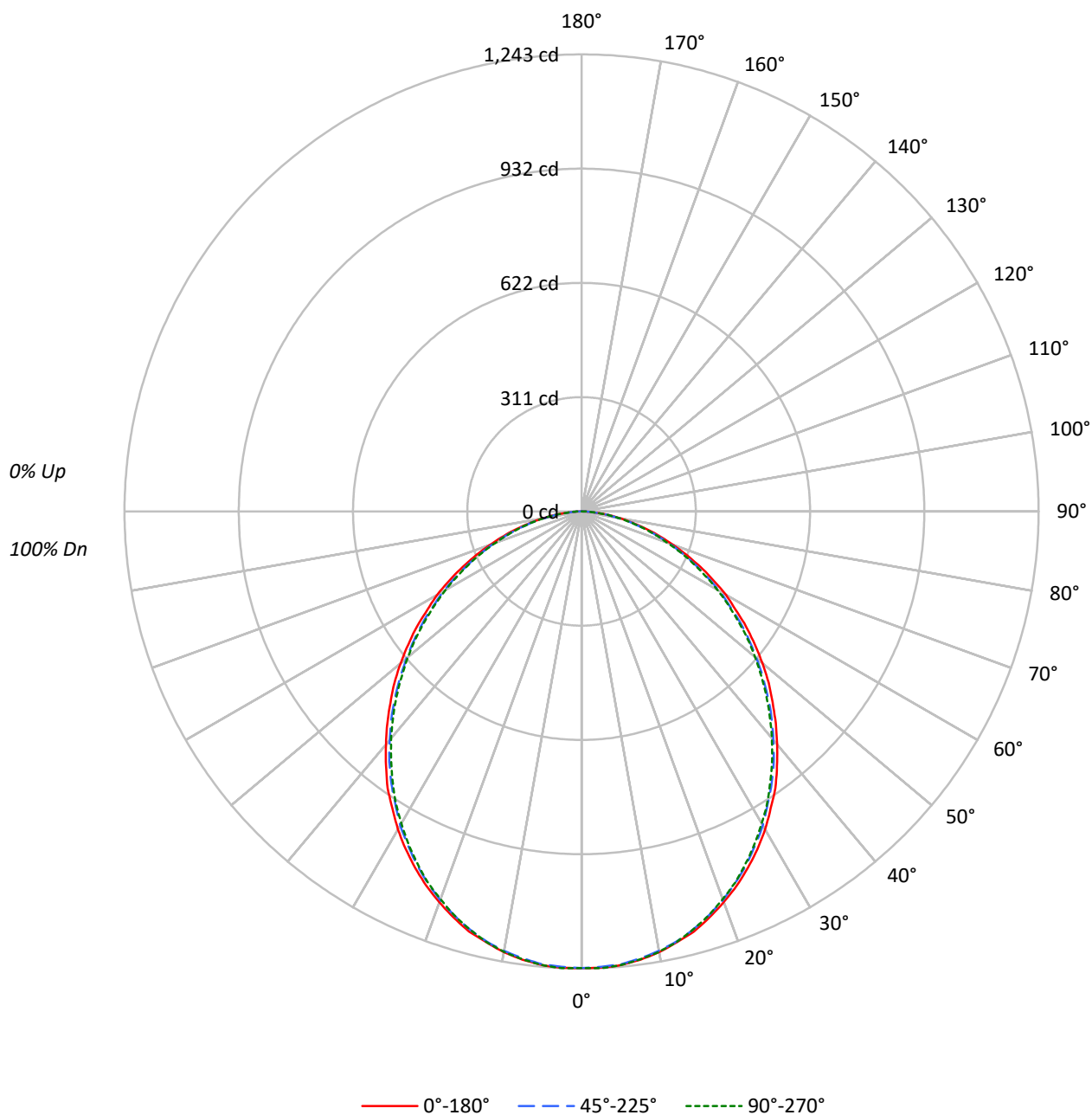
Lumens per Lamp: N/A
Luminaire Lumens: 3103.8 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3342	3342	3342
5°	3345	3338	3345
10°	3326	3316	3323
15°	3295	3278	3278
20°	3238	3220	3213
25°	3177	3148	3137
30°	3102	3064	3045
35°	3020	2963	2942
40°	2907	2851	2829
45°	2796	2731	2707
50°	2688	2600	2579
55°	2565	2472	2438
60°	2437	2330	2297
65°	2269	2159	2135
70°	2073	1995	1947
75°	1891	1775	1788
80°	1630	1534	1553
85°	1260	1223	1145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	3.8
10°-20°	331.7	10.7
20°-30°	488.6	15.7
30°-40°	565.2	18.2
40°-50°	555.7	17.9
50°-60°	473.6	15.3
60°-70°	339.3	10.9
70°-80°	184.3	5.9
80°-90°	48.1	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°	937.7	30.2
0°-40°	1502.9	48.4
0°-60°	2532.1	81.6
0°-90°	3103.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3103.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1238	1236	1236	1236	1238	118
15°	1183	1178	1176	1175	1176	333
25°	1070	1065	1060	1058	1056	493
35°	919	912	902	897	896	573
45°	735	730	718	711	711	568
55°	547	537	527	521	520	488
65°	356	349	339	335	335	353
75°	182	176	171	168	172	192
85°	41	41	40	38	37	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.1	1242.1	1242.1	1242.1	1242.1
2.5°	1242.1	1240.8	1239.6	1240.8	1243.3
5°	1238.4	1235.9	1235.9	1235.9	1238.4
7.5°	1229.7	1227.2	1226.0	1227.2	1228.5
10°	1217.3	1214.8	1213.6	1214.8	1216.1
12.5°	1200.0	1198.8	1197.5	1197.5	1198.8
15°	1182.7	1177.7	1176.5	1175.3	1176.5
17.5°	1157.9	1156.7	1151.8	1151.8	1151.8
20°	1130.7	1128.2	1124.5	1122.1	1122.1
22.5°	1102.3	1099.8	1093.6	1091.1	1092.4
25°	1070.1	1065.2	1060.2	1057.7	1056.5
27.5°	1035.5	1030.5	1023.1	1019.4	1019.4
30°	998.4	994.6	986.0	981.0	979.8
32.5°	957.5	955.1	942.7	940.2	940.2
35°	919.2	911.8	901.9	896.9	895.7
37.5°	873.4	868.5	858.6	852.4	851.1
40°	827.6	821.4	811.5	806.6	805.4
42.5°	781.9	775.7	765.8	759.6	758.4
45°	734.8	729.9	717.5	711.3	711.3
47.5°	690.3	680.4	669.3	664.3	663.1
50°	642.1	633.4	621.0	616.1	616.1
52.5°	593.8	587.6	574.0	571.5	569.1
55°	546.8	536.9	527.0	520.8	519.6
57.5°	496.1	487.4	477.5	472.6	472.6
60°	452.8	441.7	433.0	426.8	426.8
62.5°	403.3	393.4	384.7	381.0	379.8
65°	356.3	348.9	339.0	335.3	335.3
67.5°	309.3	303.1	294.4	290.7	292.0
70°	263.5	259.8	253.6	248.7	247.4
72.5°	221.4	216.5	210.3	209.1	209.1
75°	181.9	175.7	170.7	168.2	172.0
77.5°	141.0	137.3	134.8	133.6	134.8
80°	105.2	100.2	99.0	100.2	100.2
82.5°	73.0	70.5	69.3	69.3	69.3
85°	40.8	40.8	39.6	38.4	37.1
87.5°	16.1	16.1	17.3	17.3	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)