

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: P995491

Luminaire Tested: 22D3X-LP-WD-25-L850.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995491
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-25-L850.ies
Description: 2x2 D3X-LP AT 2500LM 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

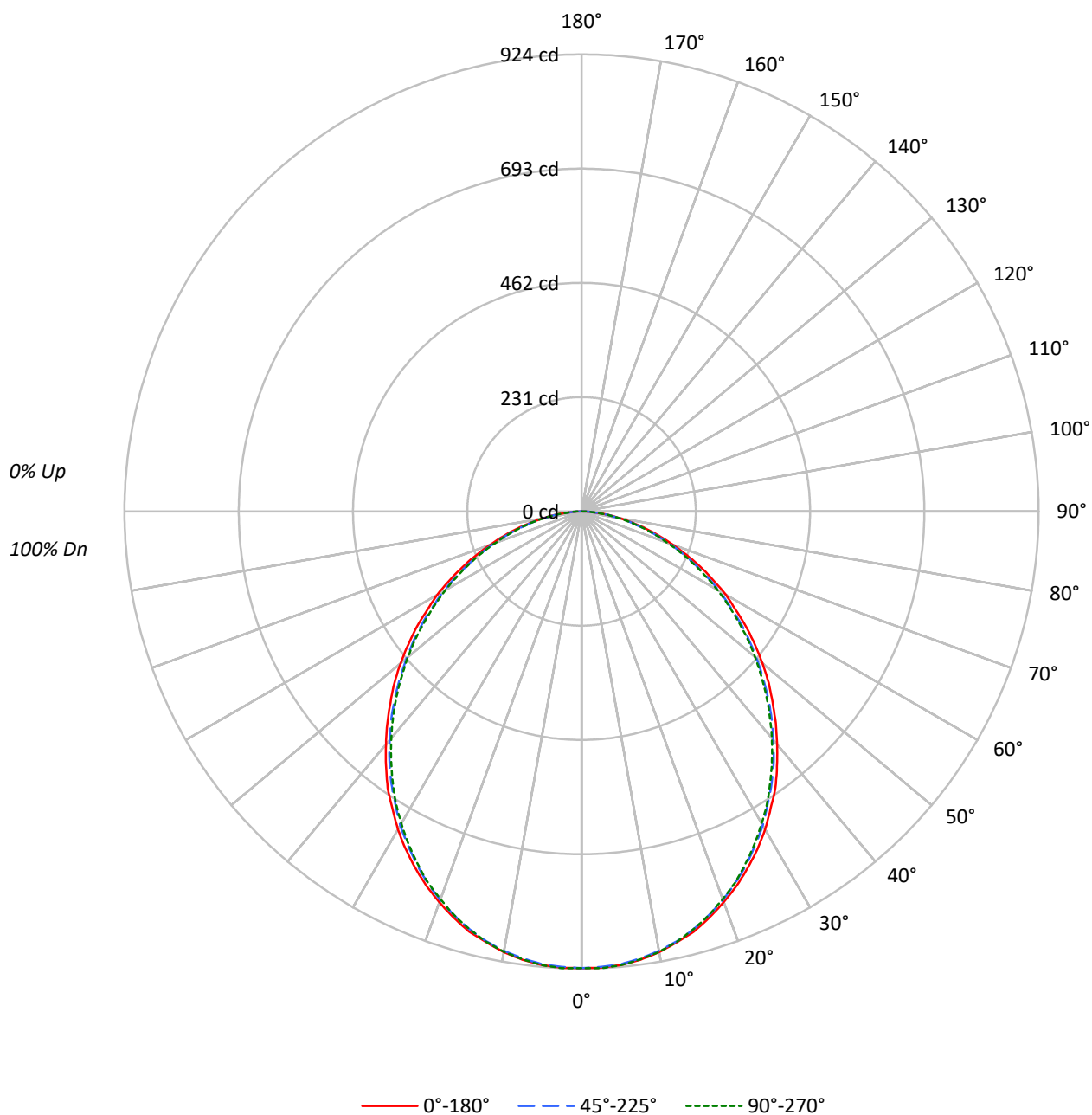
Lumens per Lamp: N/A
Luminaire Lumens: 2307.1 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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°	2484	2484	2484
5°	2487	2481	2487
10°	2472	2465	2470
15°	2449	2436	2436
20°	2407	2394	2388
25°	2362	2340	2332
30°	2306	2277	2263
35°	2244	2202	2187
40°	2161	2119	2103
45°	2079	2030	2012
50°	1998	1932	1917
55°	1907	1838	1812
60°	1812	1732	1707
65°	1686	1605	1587
70°	1541	1483	1447
75°	1406	1319	1329
80°	1212	1141	1155
85°	936	908	852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2079 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	3.8
10°-20°	246.6	10.7
20°-30°	363.2	15.7
30°-40°	420.1	18.2
40°-50°	413.0	17.9
50°-60°	352.0	15.3
60°-70°	252.2	10.9
70°-80°	137.0	5.9
80°-90°	35.7	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°	697.0	30.2
0°-40°	1117.1	48.4
0°-60°	1882.1	81.6
0°-90°	2307.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2307.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	923	923	923	923	923	
5°	920	919	919	919	920	87
15°	879	875	874	874	874	247
25°	795	792	788	786	785	366
35°	683	678	670	667	666	426
45°	546	542	533	529	529	422
55°	406	399	392	387	386	363
65°	265	259	252	249	249	262
75°	135	131	127	125	128	143
85°	30	30	29	28	28	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	923.2	923.2	923.2	923.2	923.2
2.5°	923.2	922.3	921.4	922.3	924.1
5°	920.5	918.6	918.6	918.6	920.5
7.5°	914.0	912.2	911.3	912.2	913.1
10°	904.8	903.0	902.1	903.0	903.9
12.5°	892.0	891.0	890.1	890.1	891.0
15°	879.1	875.4	874.5	873.6	874.5
17.5°	860.7	859.8	856.1	856.1	856.1
20°	840.5	838.6	835.9	834.0	834.0
22.5°	819.3	817.5	812.9	811.0	812.0
25°	795.4	791.7	788.1	786.2	785.3
27.5°	769.7	766.0	760.5	757.7	757.7
30°	742.1	739.3	732.9	729.2	728.3
32.5°	711.7	709.9	700.7	698.9	698.9
35°	683.2	677.7	670.3	666.7	665.8
37.5°	649.2	645.5	638.2	633.6	632.6
40°	615.2	610.6	603.2	599.5	598.6
42.5°	581.2	576.6	569.2	564.6	563.7
45°	546.2	542.5	533.3	528.7	528.7
47.5°	513.1	505.8	497.5	493.8	492.9
50°	477.2	470.8	461.6	457.9	457.9
52.5°	441.4	436.8	426.7	424.8	423.0
55°	406.4	399.1	391.7	387.1	386.2
57.5°	368.7	362.3	354.9	351.3	351.3
60°	336.6	328.3	321.8	317.2	317.2
62.5°	299.8	292.4	286.0	283.2	282.3
65°	264.8	259.3	252.0	249.2	249.2
67.5°	229.9	225.3	218.9	216.1	217.0
70°	195.9	193.1	188.5	184.8	183.9
72.5°	164.6	160.9	156.3	155.4	155.4
75°	135.2	130.6	126.9	125.1	127.8
77.5°	104.8	102.1	100.2	99.3	100.2
80°	78.2	74.5	73.6	74.5	74.5
82.5°	54.3	52.4	51.5	51.5	51.5
85°	30.3	30.3	29.4	28.5	27.6
87.5°	12.0	12.0	12.9	12.9	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)