

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: P995561

Luminaire Tested: 22D3X-LP-WD-70-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995561
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-70-L835.ies
Description: 2x2 D3X-LP AT 7000LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

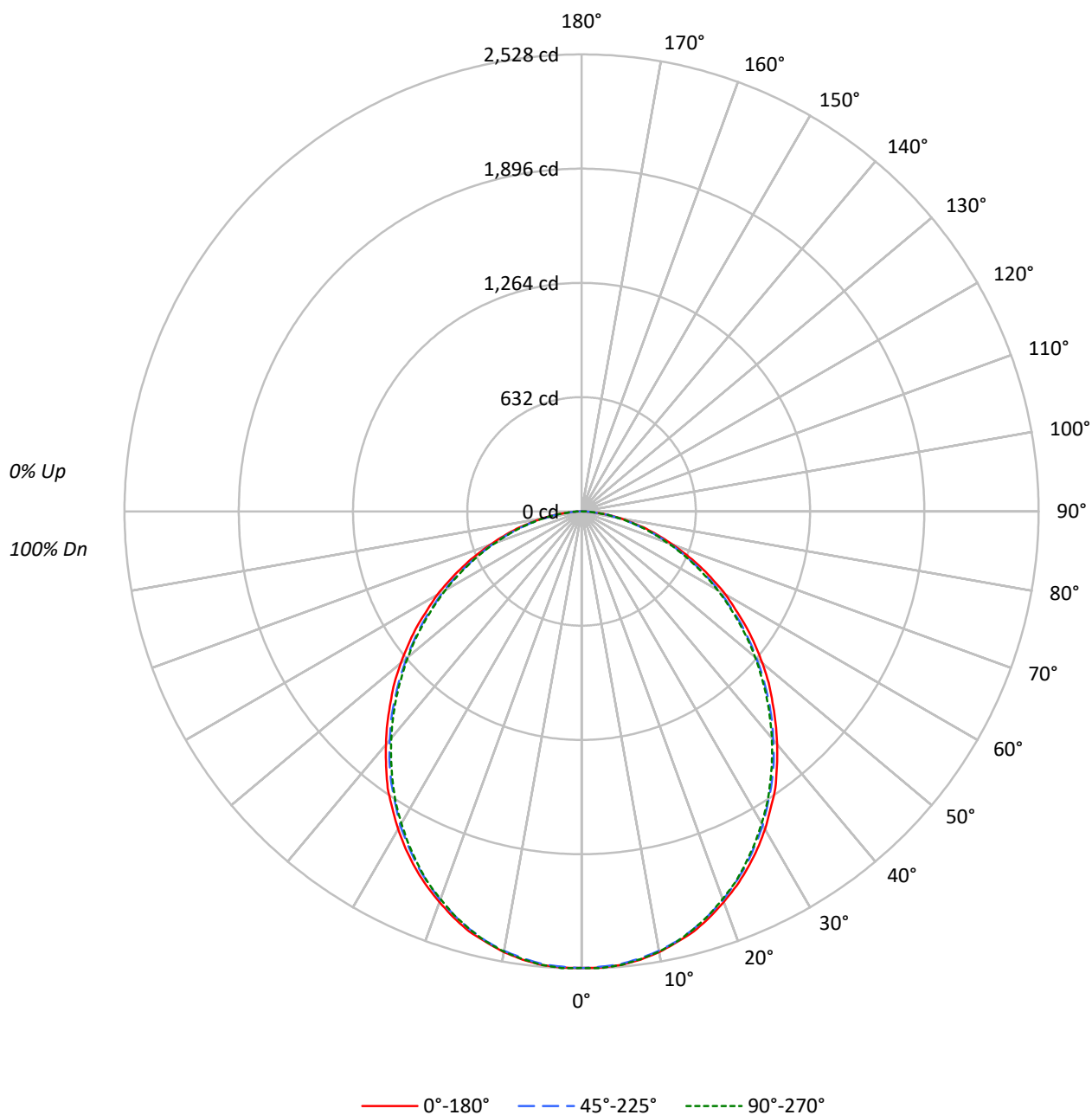
Lumens per Lamp: N/A
Luminaire Lumens: 6310.8 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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					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°	6796	6796	6796
5°	6801	6788	6801
10°	6763	6743	6756
15°	6699	6664	6664
20°	6584	6548	6533
25°	6460	6401	6378
30°	6307	6229	6190
35°	6139	6024	5982
40°	5911	5797	5752
45°	5686	5552	5504
50°	5465	5286	5244
55°	5216	5027	4957
60°	4955	4738	4670
65°	4613	4388	4341
70°	4216	4057	3958
75°	3845	3609	3635
80°	3313	3118	3157
85°	2563	2485	2331

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5686 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.6	3.8
10°-20°	674.5	10.7
20°-30°	993.5	15.7
30°-40°	1149.2	18.2
40°-50°	1129.8	17.9
50°-60°	962.9	15.3
60°-70°	689.9	10.9
70°-80°	374.7	5.9
80°-90°	97.8	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°	1906.5	30.2
0°-40°	3055.8	48.4
0°-60°	5148.5	81.6
0°-90°	6310.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6310.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2525	2525	2525	2525	2525	
5°	2518	2513	2513	2513	2518	239
15°	2405	2395	2392	2390	2392	677
25°	2176	2166	2156	2151	2148	1002
35°	1869	1854	1834	1824	1821	1165
45°	1494	1484	1459	1446	1446	1154
55°	1112	1092	1072	1059	1056	993
65°	724	709	689	682	682	718
75°	370	357	347	342	350	391
85°	83	83	80	78	76	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2525.4	2525.4	2525.4	2525.4	2525.4
2.5°	2525.4	2522.9	2520.4	2522.9	2527.9
5°	2517.9	2512.8	2512.8	2512.8	2517.9
7.5°	2500.3	2495.2	2492.7	2495.2	2497.8
10°	2475.1	2470.1	2467.6	2470.1	2472.6
12.5°	2439.9	2437.4	2434.9	2434.9	2437.4
15°	2404.7	2394.6	2392.1	2389.6	2392.1
17.5°	2354.4	2351.9	2341.8	2341.8	2341.8
20°	2299.0	2294.0	2286.5	2281.4	2281.4
22.5°	2241.2	2236.2	2223.6	2218.6	2221.1
25°	2175.8	2165.7	2155.7	2150.6	2148.1
27.5°	2105.4	2095.3	2080.2	2072.7	2072.7
30°	2029.9	2022.4	2004.7	1994.7	1992.2
32.5°	1946.9	1941.9	1916.7	1911.7	1911.7
35°	1868.9	1853.8	1833.7	1823.6	1821.1
37.5°	1775.8	1765.8	1745.7	1733.1	1730.6
40°	1682.8	1670.2	1650.1	1640.0	1637.5
42.5°	1589.7	1577.1	1557.0	1544.4	1541.9
45°	1494.1	1484.1	1458.9	1446.3	1446.3
47.5°	1403.6	1383.5	1360.8	1350.8	1348.2
50°	1305.5	1287.9	1262.7	1252.7	1252.7
52.5°	1207.4	1194.8	1167.1	1162.1	1157.1
55°	1111.8	1091.7	1071.5	1059.0	1056.5
57.5°	1008.7	991.1	970.9	960.9	960.9
60°	920.6	898.0	880.4	867.8	867.8
62.5°	820.0	799.9	782.3	774.7	772.2
65°	724.4	709.3	689.2	681.7	681.7
67.5°	628.8	616.3	598.7	591.1	593.6
70°	535.8	528.2	515.6	505.6	503.1
72.5°	450.3	440.2	427.6	425.1	425.1
75°	369.8	357.2	347.1	342.1	349.6
77.5°	286.8	279.2	274.2	271.7	274.2
80°	213.8	203.7	201.2	203.7	203.7
82.5°	148.4	143.4	140.9	140.9	140.9
85°	83.0	83.0	80.5	78.0	75.5
87.5°	32.7	32.7	35.2	35.2	37.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)