

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: P995554

Luminaire Tested: 22D3X-LP-WD-60-L850.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995554
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-60-L850.ies
Description: 2x2 D3X-LP AT 6000LM 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

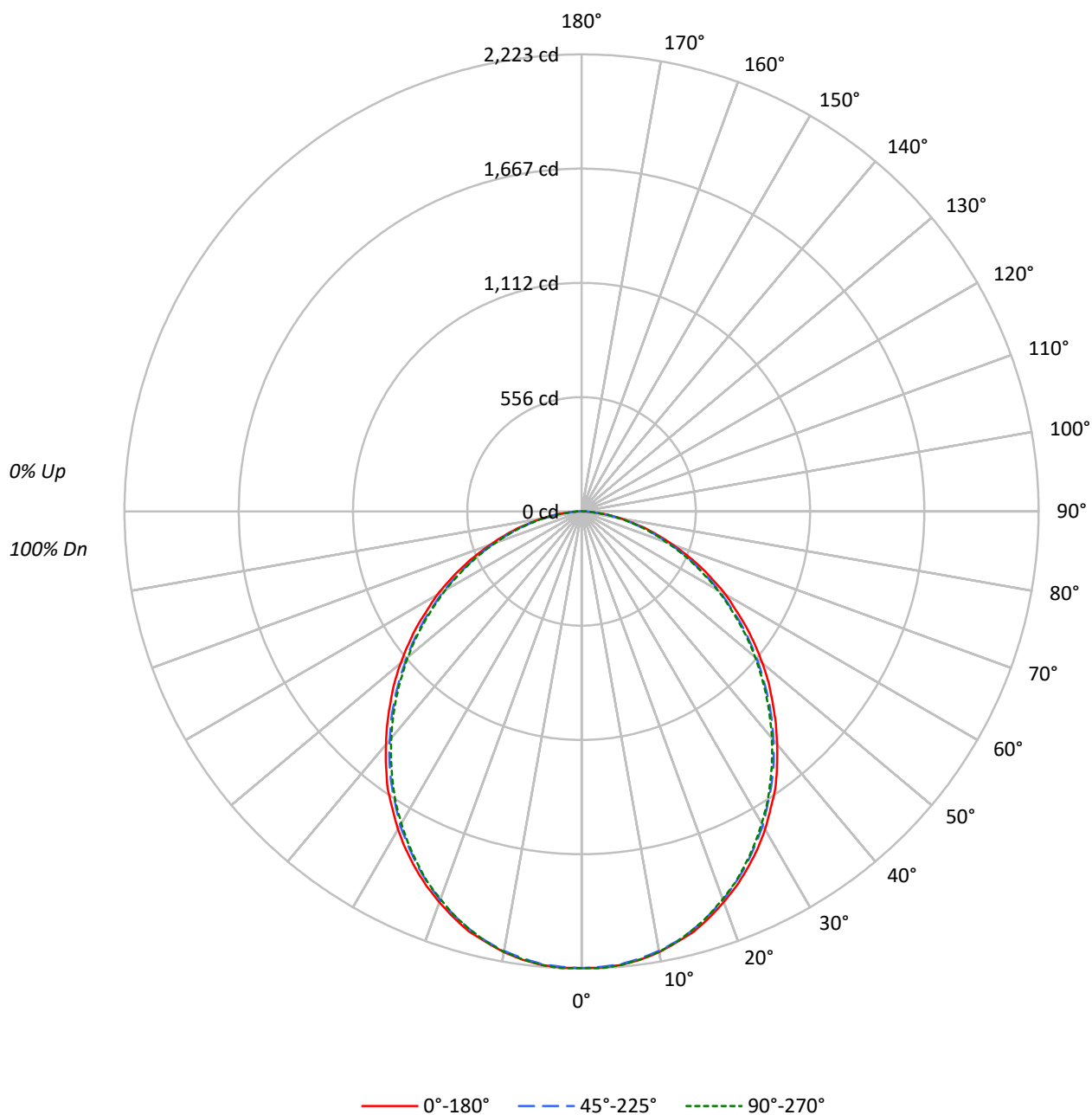
Lumens per Lamp: N/A
Luminaire Lumens: 5550.4 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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

TEST NUMBER: P995554

CATALOG NUMBER: 22D3X-LP-WD-60-L850.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995554

CATALOG NUMBER: 22D3X-LP-WD-60-L850.ies

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°	5977	5977	5977
5°	5982	5970	5982
10°	5948	5930	5942
15°	5892	5861	5861
20°	5790	5759	5746
25°	5682	5629	5610
30°	5547	5479	5444
35°	5400	5298	5262
40°	5199	5098	5059
45°	5001	4883	4841
50°	4807	4649	4612
55°	4587	4421	4359
60°	4358	4167	4108
65°	4057	3860	3817
70°	3707	3568	3482
75°	3381	3174	3197
80°	2913	2743	2777
85°	2254	2186	2050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5001 cd/sqm

TEST NUMBER: P995554

CATALOG NUMBER: 22D3X-LP-WD-60-L850.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	3.8
10°-20°	593.3	10.7
20°-30°	873.7	15.7
30°-40°	1010.8	18.2
40°-50°	993.7	17.9
50°-60°	846.8	15.3
60°-70°	606.8	10.9
70°-80°	329.6	5.9
80°-90°	86.0	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°	1676.8	30.2
0°-40°	2687.6	48.4
0°-60°	4528.1	81.6
0°-90°	5550.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5550.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2221	2221	2221	2221	2221	
5°	2214	2210	2210	2210	2214	210
15°	2115	2106	2104	2102	2104	595
25°	1914	1905	1896	1892	1889	881
35°	1644	1630	1613	1604	1602	1025
45°	1314	1305	1283	1272	1272	1015
55°	978	960	942	931	929	873
65°	637	624	606	600	600	631
75°	325	314	305	301	308	344
85°	73	73	71	69	66	89
90°	0	0	0	0	0	

TEST NUMBER: P995554

CATALOG NUMBER: 22D3X-LP-WD-60-L850.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2221.1	2221.1	2221.1	2221.1	2221.1
2.5°	2221.1	2218.9	2216.7	2218.9	2223.4
5°	2214.5	2210.1	2210.1	2210.1	2214.5
7.5°	2199.0	2194.6	2192.4	2194.6	2196.8
10°	2176.9	2172.5	2170.3	2172.5	2174.7
12.5°	2145.9	2143.7	2141.5	2141.5	2143.7
15°	2115.0	2106.1	2103.9	2101.7	2103.9
17.5°	2070.7	2068.5	2059.6	2059.6	2059.6
20°	2022.0	2017.6	2011.0	2006.5	2006.5
22.5°	1971.2	1966.7	1955.7	1951.2	1953.5
25°	1913.6	1904.8	1895.9	1891.5	1889.3
27.5°	1851.7	1842.8	1829.6	1822.9	1822.9
30°	1785.3	1778.7	1763.2	1754.3	1752.1
32.5°	1712.3	1707.9	1685.8	1681.3	1681.3
35°	1643.7	1630.5	1612.8	1603.9	1601.7
37.5°	1561.9	1553.0	1535.3	1524.3	1522.1
40°	1480.0	1469.0	1451.3	1442.4	1440.2
42.5°	1398.2	1387.1	1369.4	1358.3	1356.1
45°	1314.1	1305.3	1283.1	1272.1	1272.1
47.5°	1234.5	1216.8	1196.8	1188.0	1185.8
50°	1148.2	1132.7	1110.6	1101.7	1101.7
52.5°	1061.9	1050.8	1026.5	1022.1	1017.7
55°	977.8	960.1	942.4	931.4	929.2
57.5°	887.1	871.6	853.9	845.1	845.1
60°	809.7	789.8	774.3	763.2	763.2
62.5°	721.2	703.5	688.0	681.4	679.2
65°	637.1	623.9	606.2	599.5	599.5
67.5°	553.1	542.0	526.5	519.9	522.1
70°	471.2	464.6	453.5	444.7	442.5
72.5°	396.0	387.2	376.1	373.9	373.9
75°	325.2	314.1	305.3	300.9	307.5
77.5°	252.2	245.6	241.1	238.9	241.1
80°	188.0	179.2	177.0	179.2	179.2
82.5°	130.5	126.1	123.9	123.9	123.9
85°	73.0	73.0	70.8	68.6	66.4
87.5°	28.8	28.8	31.0	31.0	33.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)