

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: P995565

Luminaire Tested: 22D3X-LP-WD-70-L930.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995565
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-L930.ies
Description: 2x2 D3X-LP AT 7000LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

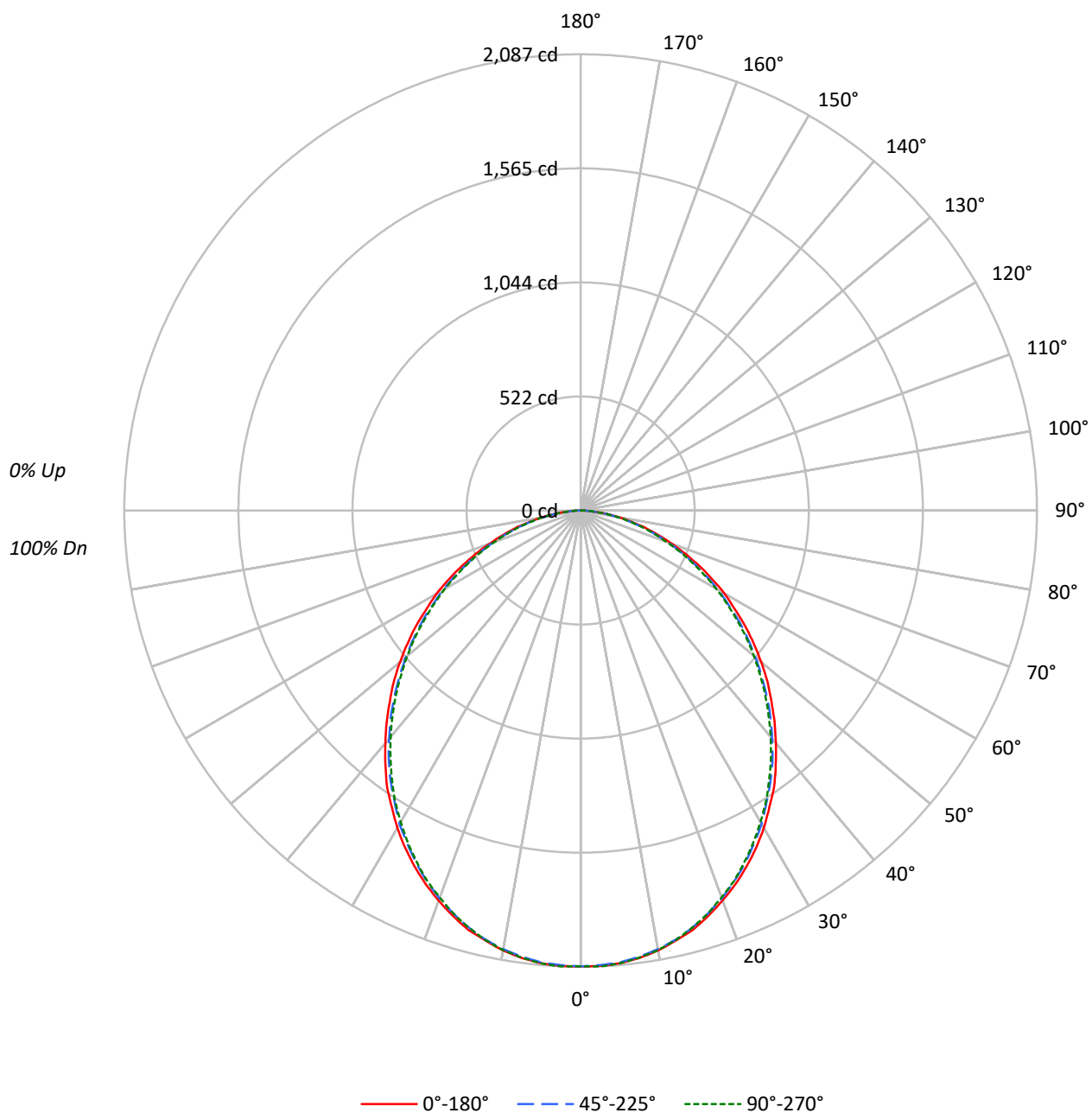
Lumens per Lamp: N/A
Luminaire Lumens: 5211.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	5611	5611	5611
5°	5616	5605	5616
10°	5585	5567	5579
15°	5532	5503	5503
20°	5436	5407	5395
25°	5334	5285	5267
30°	5208	5144	5111
35°	5070	4974	4940
40°	4881	4786	4750
45°	4695	4585	4545
50°	4513	4365	4330
55°	4307	4151	4092
60°	4091	3913	3857
65°	3809	3624	3584
70°	3481	3350	3268
75°	3174	2980	3002
80°	2735	2576	2607
85°	2115	2053	1924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4695 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	3.8
10°-20°	557.0	10.7
20°-30°	820.3	15.7
30°-40°	948.9	18.2
40°-50°	932.9	17.9
50°-60°	795.1	15.3
60°-70°	569.7	10.9
70°-80°	309.4	5.9
80°-90°	80.7	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°	1574.3	30.2
0°-40°	2523.2	48.4
0°-60°	4251.2	81.6
0°-90°	5211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5211.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2085	2085	2085	2085	2085	
5°	2079	2075	2075	2075	2079	197
15°	1986	1977	1975	1973	1975	559
25°	1797	1788	1780	1776	1774	827
35°	1543	1531	1514	1506	1504	962
45°	1234	1225	1205	1194	1194	953
55°	918	901	885	874	872	820
65°	598	586	569	563	563	593
75°	305	295	287	282	289	323
85°	68	68	66	64	62	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2085.3	2085.3	2085.3	2085.3	2085.3
2.5°	2085.3	2083.2	2081.2	2083.2	2087.4
5°	2079.1	2074.9	2074.9	2074.9	2079.1
7.5°	2064.5	2060.4	2058.3	2060.4	2062.5
10°	2043.8	2039.6	2037.5	2039.6	2041.7
12.5°	2014.7	2012.6	2010.5	2010.5	2012.6
15°	1985.6	1977.3	1975.2	1973.2	1975.2
17.5°	1944.1	1942.0	1933.7	1933.7	1933.7
20°	1898.4	1894.2	1888.0	1883.8	1883.8
22.5°	1850.6	1846.5	1836.1	1831.9	1834.0
25°	1796.6	1788.3	1780.0	1775.8	1773.8
27.5°	1738.5	1730.1	1717.7	1711.5	1711.5
30°	1676.1	1669.9	1655.4	1647.1	1645.0
32.5°	1607.6	1603.4	1582.7	1578.5	1578.5
35°	1543.2	1530.8	1514.1	1505.8	1503.8
37.5°	1466.4	1458.1	1441.4	1431.1	1429.0
40°	1389.5	1379.1	1362.5	1354.2	1352.1
42.5°	1312.7	1302.3	1285.7	1275.3	1273.2
45°	1233.7	1225.4	1204.7	1194.3	1194.3
47.5°	1159.0	1142.4	1123.7	1115.4	1113.3
50°	1078.0	1063.4	1042.7	1034.3	1034.3
52.5°	997.0	986.6	963.7	959.6	955.4
55°	918.0	901.4	884.8	874.4	872.3
57.5°	832.9	818.3	801.7	793.4	793.4
60°	760.2	741.5	727.0	716.6	716.6
62.5°	677.1	660.5	645.9	639.7	637.6
65°	598.2	585.7	569.1	562.9	562.9
67.5°	519.3	508.9	494.3	488.1	490.2
70°	442.4	436.2	425.8	417.5	415.4
72.5°	371.8	363.5	353.1	351.0	351.0
75°	305.3	294.9	286.6	282.5	288.7
77.5°	236.8	230.5	226.4	224.3	226.4
80°	176.5	168.2	166.2	168.2	168.2
82.5°	122.5	118.4	116.3	116.3	116.3
85°	68.5	68.5	66.5	64.4	62.3
87.5°	27.0	27.0	29.1	29.1	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)