

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: P995566

Luminaire Tested: 22D3X-LP-WD-70-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995566
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-L935.ies
Description: 2x2 D3X-LP AT 7000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

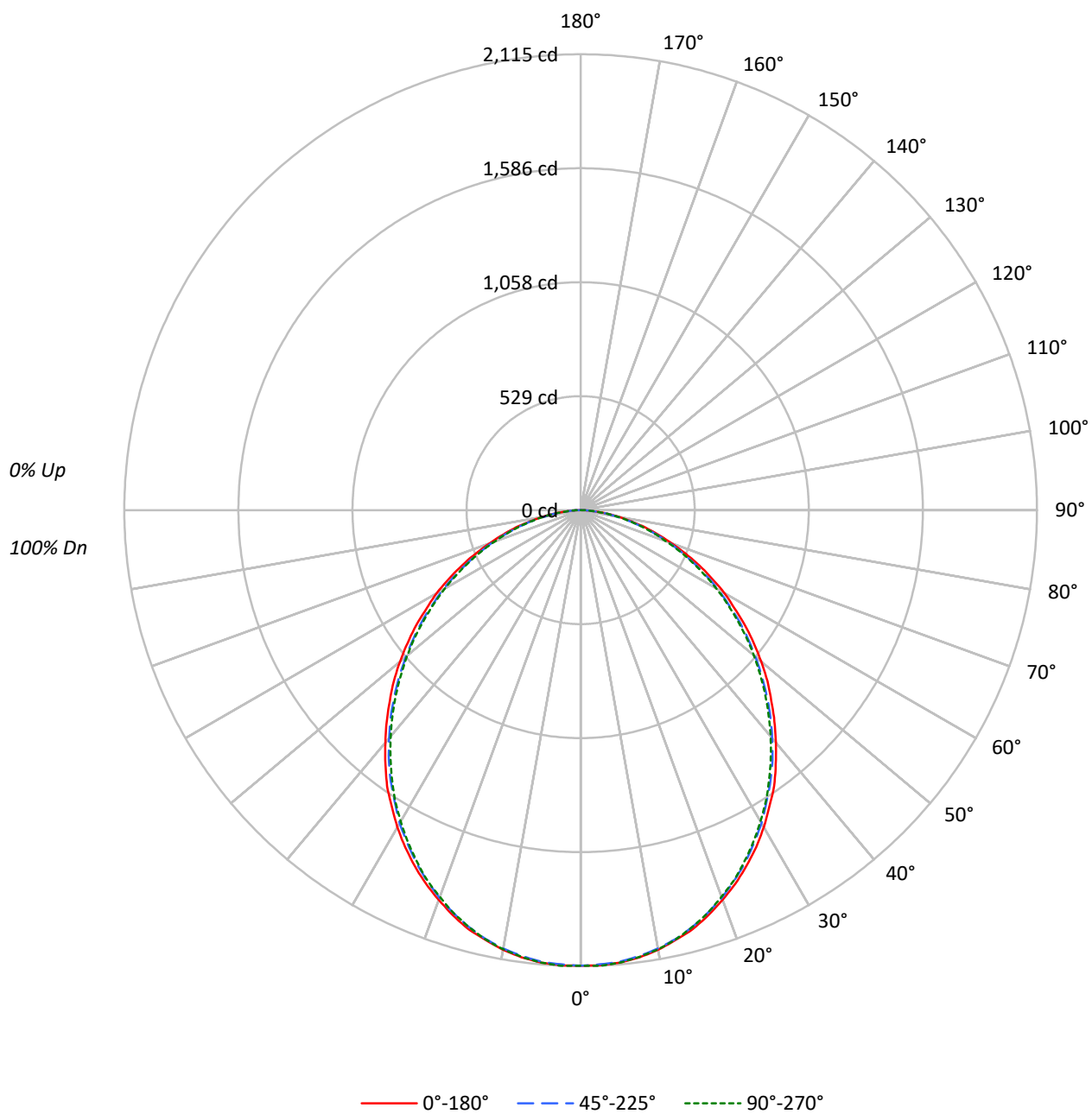
Lumens per Lamp: N/A
Luminaire Lumens: 5280.3 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	5686	5686	5686
5°	5691	5679	5691
10°	5659	5642	5653
15°	5605	5576	5576
20°	5509	5479	5466
25°	5405	5355	5337
30°	5277	5212	5180
35°	5137	5040	5005
40°	4946	4850	4813
45°	4757	4646	4606
50°	4573	4423	4388
55°	4364	4206	4147
60°	4146	3964	3908
65°	3859	3672	3632
70°	3527	3394	3312
75°	3217	3019	3041
80°	2772	2610	2642
85°	2146	2078	1948

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4757 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	3.8
10°-20°	564.4	10.7
20°-30°	831.2	15.7
30°-40°	961.6	18.2
40°-50°	945.3	17.9
50°-60°	805.6	15.3
60°-70°	577.3	10.9
70°-80°	313.5	5.9
80°-90°	81.8	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°	1595.2	30.2
0°-40°	2556.8	48.4
0°-60°	4307.7	81.6
0°-90°	5280.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5280.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2113	2113	2113	2113	2113	
5°	2107	2102	2102	2102	2107	200
15°	2012	2004	2002	1999	2002	566
25°	1820	1812	1804	1800	1797	838
35°	1564	1551	1534	1526	1524	975
45°	1250	1242	1221	1210	1210	966
55°	930	913	897	886	884	831
65°	606	594	577	570	570	600
75°	309	299	290	286	292	327
85°	70	70	67	65	63	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2113.0	2113.0	2113.0	2113.0	2113.0
2.5°	2113.0	2110.9	2108.8	2110.9	2115.1
5°	2106.7	2102.5	2102.5	2102.5	2106.7
7.5°	2092.0	2087.8	2085.7	2087.8	2089.9
10°	2071.0	2066.7	2064.6	2066.7	2068.8
12.5°	2041.5	2039.4	2037.3	2037.3	2039.4
15°	2012.0	2003.6	2001.5	1999.4	2001.5
17.5°	1969.9	1967.8	1959.4	1959.4	1959.4
20°	1923.6	1919.4	1913.1	1908.9	1908.9
22.5°	1875.2	1871.0	1860.5	1856.3	1858.4
25°	1820.5	1812.1	1803.7	1799.5	1797.4
27.5°	1761.6	1753.2	1740.5	1734.2	1734.2
30°	1698.4	1692.1	1677.4	1669.0	1666.9
32.5°	1629.0	1624.8	1603.7	1599.5	1599.5
35°	1563.7	1551.1	1534.3	1525.9	1523.7
37.5°	1485.9	1477.4	1460.6	1450.1	1448.0
40°	1408.0	1397.5	1380.6	1372.2	1370.1
42.5°	1330.1	1319.6	1302.8	1292.2	1290.1
45°	1250.1	1241.7	1220.7	1210.2	1210.2
47.5°	1174.4	1157.5	1138.6	1130.2	1128.1
50°	1092.3	1077.6	1056.5	1048.1	1048.1
52.5°	1010.2	999.7	976.5	972.3	968.1
55°	930.2	913.4	896.6	886.0	883.9
57.5°	844.0	829.2	812.4	804.0	804.0
60°	770.3	751.4	736.6	726.1	726.1
62.5°	686.1	669.3	654.5	648.2	646.1
65°	606.1	593.5	576.7	570.4	570.4
67.5°	526.2	515.6	500.9	494.6	496.7
70°	448.3	442.0	431.4	423.0	420.9
72.5°	376.7	368.3	357.8	355.7	355.7
75°	309.4	298.9	290.4	286.2	292.5
77.5°	239.9	233.6	229.4	227.3	229.4
80°	178.9	170.5	168.4	170.5	170.5
82.5°	124.2	120.0	117.9	117.9	117.9
85°	69.5	69.5	67.3	65.2	63.1
87.5°	27.4	27.4	29.5	29.5	31.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)