

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: P995551

Luminaire Tested: 22D3X-LP-WD-60-L830.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995551
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-L830.ies
Description: 2x2 D3X-LP AT 6000LM 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

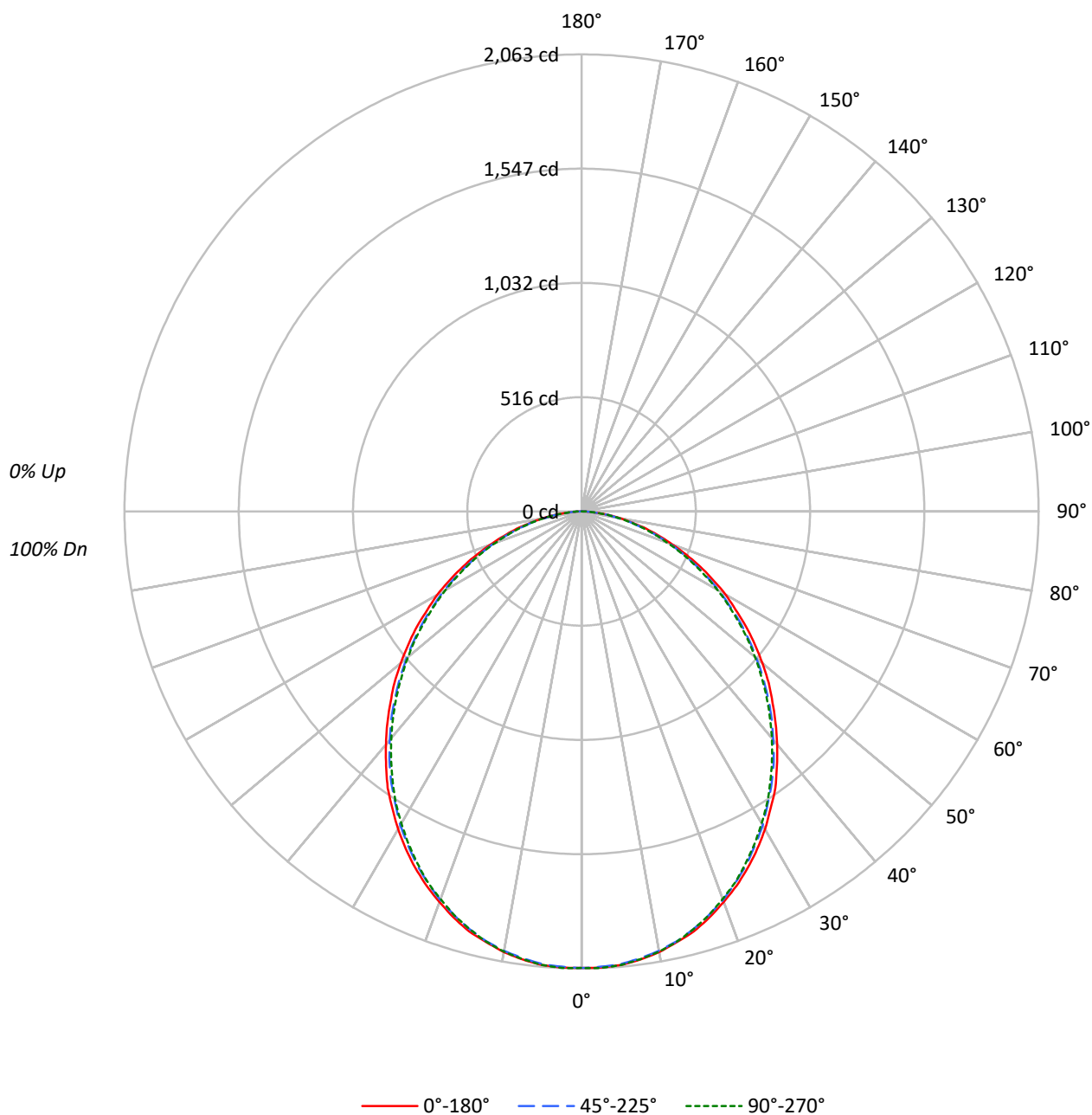
Lumens per Lamp: N/A
Luminaire Lumens: 5149.8 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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°	5546	5546	5546
5°	5550	5539	5550
10°	5519	5502	5513
15°	5467	5438	5438
20°	5373	5343	5331
25°	5272	5223	5205
30°	5147	5083	5051
35°	5010	4916	4882
40°	4824	4730	4694
45°	4640	4531	4492
50°	4460	4314	4279
55°	4257	4102	4045
60°	4043	3866	3812
65°	3764	3581	3542
70°	3440	3311	3230
75°	3137	2946	2966
80°	2704	2545	2577
85°	2090	2029	1902

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	3.8
10°-20°	550.4	10.7
20°-30°	810.7	15.7
30°-40°	937.8	18.2
40°-50°	922.0	17.9
50°-60°	785.7	15.3
60°-70°	563.0	10.9
70°-80°	305.8	5.9
80°-90°	79.8	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°	1555.8	30.2
0°-40°	2493.6	48.4
0°-60°	4201.3	81.6
0°-90°	5149.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5149.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2061	2061	2061	2061	2061	
5°	2055	2051	2051	2051	2055	195
15°	1962	1954	1952	1950	1952	552
25°	1776	1767	1759	1755	1753	817
35°	1525	1513	1496	1488	1486	951
45°	1219	1211	1190	1180	1180	942
55°	907	891	874	864	862	810
65°	591	579	562	556	556	586
75°	302	292	283	279	285	319
85°	68	68	66	64	62	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2060.8	2060.8	2060.8	2060.8	2060.8
2.5°	2060.8	2058.8	2056.7	2058.8	2062.9
5°	2054.7	2050.6	2050.6	2050.6	2054.7
7.5°	2040.3	2036.2	2034.1	2036.2	2038.2
10°	2019.8	2015.7	2013.6	2015.7	2017.7
12.5°	1991.0	1989.0	1986.9	1986.9	1989.0
15°	1962.3	1954.1	1952.0	1950.0	1952.0
17.5°	1921.2	1919.2	1911.0	1911.0	1911.0
20°	1876.1	1872.0	1865.8	1861.7	1861.7
22.5°	1828.9	1824.8	1814.5	1810.4	1812.5
25°	1775.5	1767.3	1759.1	1755.0	1752.9
27.5°	1718.0	1709.8	1697.5	1691.4	1691.4
30°	1656.5	1650.3	1635.9	1627.7	1625.7
32.5°	1588.7	1584.6	1564.1	1560.0	1560.0
35°	1525.1	1512.8	1496.4	1488.1	1486.1
37.5°	1449.1	1440.9	1424.5	1414.2	1412.2
40°	1373.2	1362.9	1346.5	1338.3	1336.3
42.5°	1297.3	1287.0	1270.6	1260.3	1258.3
45°	1219.3	1211.0	1190.5	1180.3	1180.3
47.5°	1145.4	1128.9	1110.5	1102.3	1100.2
50°	1065.3	1050.9	1030.4	1022.2	1022.2
52.5°	985.3	975.0	952.4	948.3	944.2
55°	907.3	890.8	874.4	864.1	862.1
57.5°	823.1	808.7	792.3	784.1	784.1
60°	751.3	732.8	718.4	708.2	708.2
62.5°	669.2	652.7	638.4	632.2	630.2
65°	591.2	578.8	562.4	556.3	556.3
67.5°	513.2	502.9	488.5	482.4	484.4
70°	437.2	431.0	420.8	412.6	410.5
72.5°	367.4	359.2	348.9	346.9	346.9
75°	301.7	291.5	283.3	279.2	285.3
77.5°	234.0	227.8	223.7	221.7	223.7
80°	174.5	166.3	164.2	166.3	166.3
82.5°	121.1	117.0	114.9	114.9	114.9
85°	67.7	67.7	65.7	63.6	61.6
87.5°	26.7	26.7	28.7	28.7	30.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)