

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: P995556

Luminaire Tested: 22D3X-LP-WD-60-L930.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995556
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-L930.ies
Description: 2x2 D3X-LP AT 6000LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

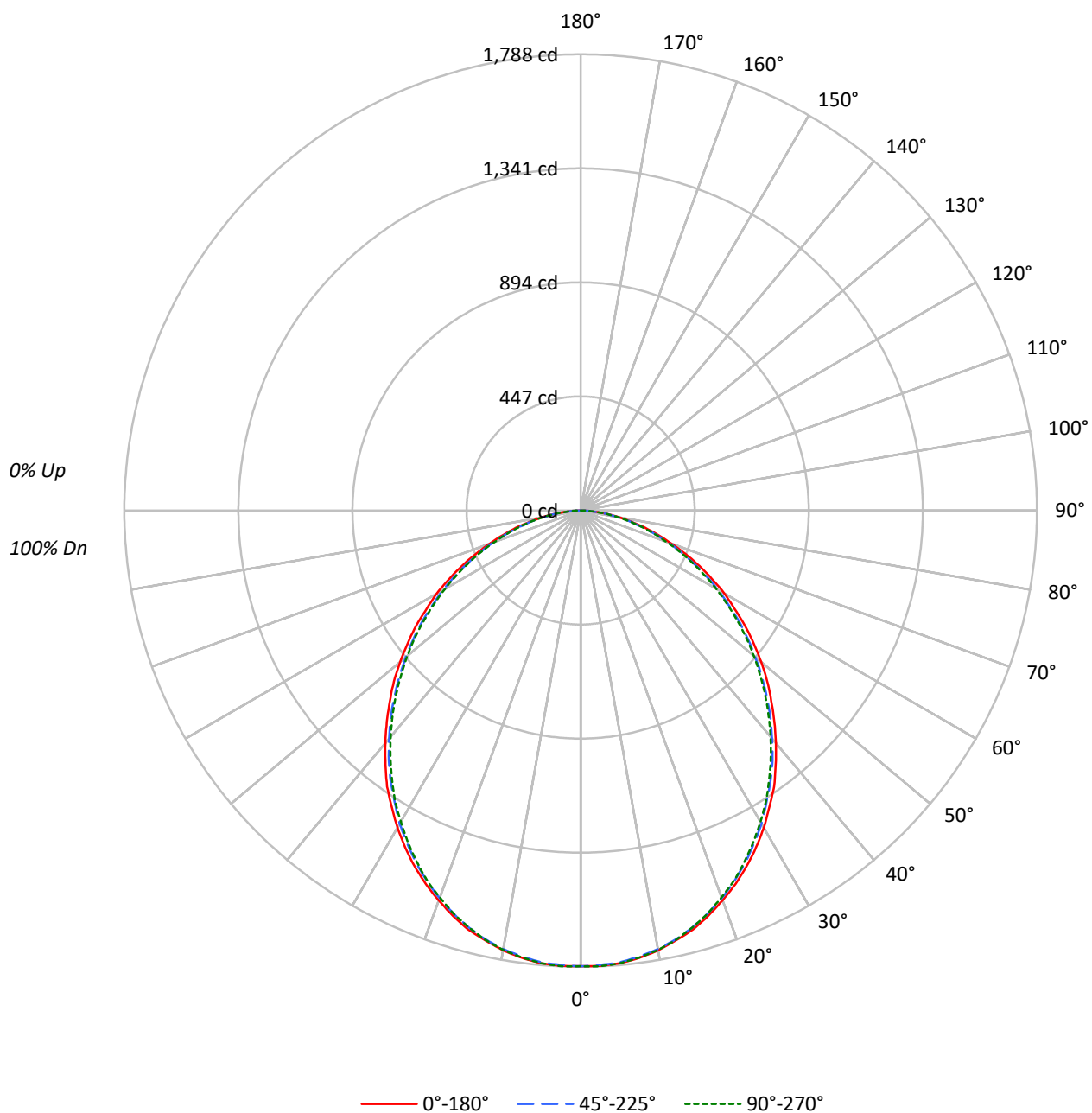
Lumens per Lamp: N/A
Luminaire Lumens: 4463.1 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4806	4806	4806
5°	4810	4800	4810
10°	4783	4768	4778
15°	4738	4713	4713
20°	4656	4631	4621
25°	4569	4526	4511
30°	4461	4405	4378
35°	4342	4260	4231
40°	4181	4099	4068
45°	4021	3927	3893
50°	3865	3738	3709
55°	3689	3555	3505
60°	3504	3351	3303
65°	3262	3103	3070
70°	2981	2869	2799
75°	2719	2552	2571
80°	2343	2205	2233
85°	1812	1757	1649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4021 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	3.8
10°-20°	477.0	10.7
20°-30°	702.6	15.7
30°-40°	812.8	18.2
40°-50°	799.0	17.9
50°-60°	680.9	15.3
60°-70°	487.9	10.9
70°-80°	265.0	5.9
80°-90°	69.1	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°	1348.3	30.2
0°-40°	2161.1	48.4
0°-60°	3641.1	81.6
0°-90°	4463.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4463.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1786	1786	1786	1786	1786	
5°	1781	1777	1777	1777	1781	169
15°	1701	1694	1692	1690	1692	479
25°	1539	1532	1524	1521	1519	708
35°	1322	1311	1297	1290	1288	824
45°	1057	1050	1032	1023	1023	816
55°	786	772	758	749	747	702
65°	512	502	487	482	482	507
75°	262	253	246	242	247	276
85°	59	59	57	55	53	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1786.0	1786.0	1786.0	1786.0	1786.0
2.5°	1786.0	1784.2	1782.5	1784.2	1787.8
5°	1780.7	1777.1	1777.1	1777.1	1780.7
7.5°	1768.2	1764.7	1762.9	1764.7	1766.5
10°	1750.4	1746.9	1745.1	1746.9	1748.7
12.5°	1725.5	1723.8	1722.0	1722.0	1723.8
15°	1700.6	1693.5	1691.7	1690.0	1691.7
17.5°	1665.1	1663.3	1656.2	1656.2	1656.2
20°	1625.9	1622.4	1617.0	1613.5	1613.5
22.5°	1585.0	1581.4	1572.6	1569.0	1570.8
25°	1538.8	1531.6	1524.5	1521.0	1519.2
27.5°	1488.9	1481.8	1471.2	1465.8	1465.8
30°	1435.6	1430.2	1417.8	1410.7	1408.9
32.5°	1376.9	1373.3	1355.5	1352.0	1352.0
35°	1321.7	1311.1	1296.8	1289.7	1287.9
37.5°	1255.9	1248.8	1234.6	1225.7	1223.9
40°	1190.1	1181.2	1167.0	1159.8	1158.1
42.5°	1124.3	1115.4	1101.1	1092.2	1090.5
45°	1056.7	1049.6	1031.8	1022.9	1022.9
47.5°	992.6	978.4	962.4	955.3	953.5
50°	923.3	910.8	893.0	885.9	885.9
52.5°	853.9	845.0	825.4	821.9	818.3
55°	786.3	772.0	757.8	748.9	747.1
57.5°	713.3	700.9	686.7	679.5	679.5
60°	651.1	635.1	622.6	613.7	613.7
62.5°	579.9	565.7	553.2	547.9	546.1
65°	512.3	501.7	487.4	482.1	482.1
67.5°	444.7	435.8	423.4	418.0	419.8
70°	378.9	373.6	364.7	357.6	355.8
72.5°	318.4	311.3	302.4	300.6	300.6
75°	261.5	252.6	245.5	241.9	247.3
77.5°	202.8	197.5	193.9	192.1	193.9
80°	151.2	144.1	142.3	144.1	144.1
82.5°	105.0	101.4	99.6	99.6	99.6
85°	58.7	58.7	56.9	55.1	53.4
87.5°	23.1	23.1	24.9	24.9	26.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)