

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: P995558

Luminaire Tested: 22D3X-LP-WD-60-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995558
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-L940.ies
Description: 2x2 D3X-LP AT 6000LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

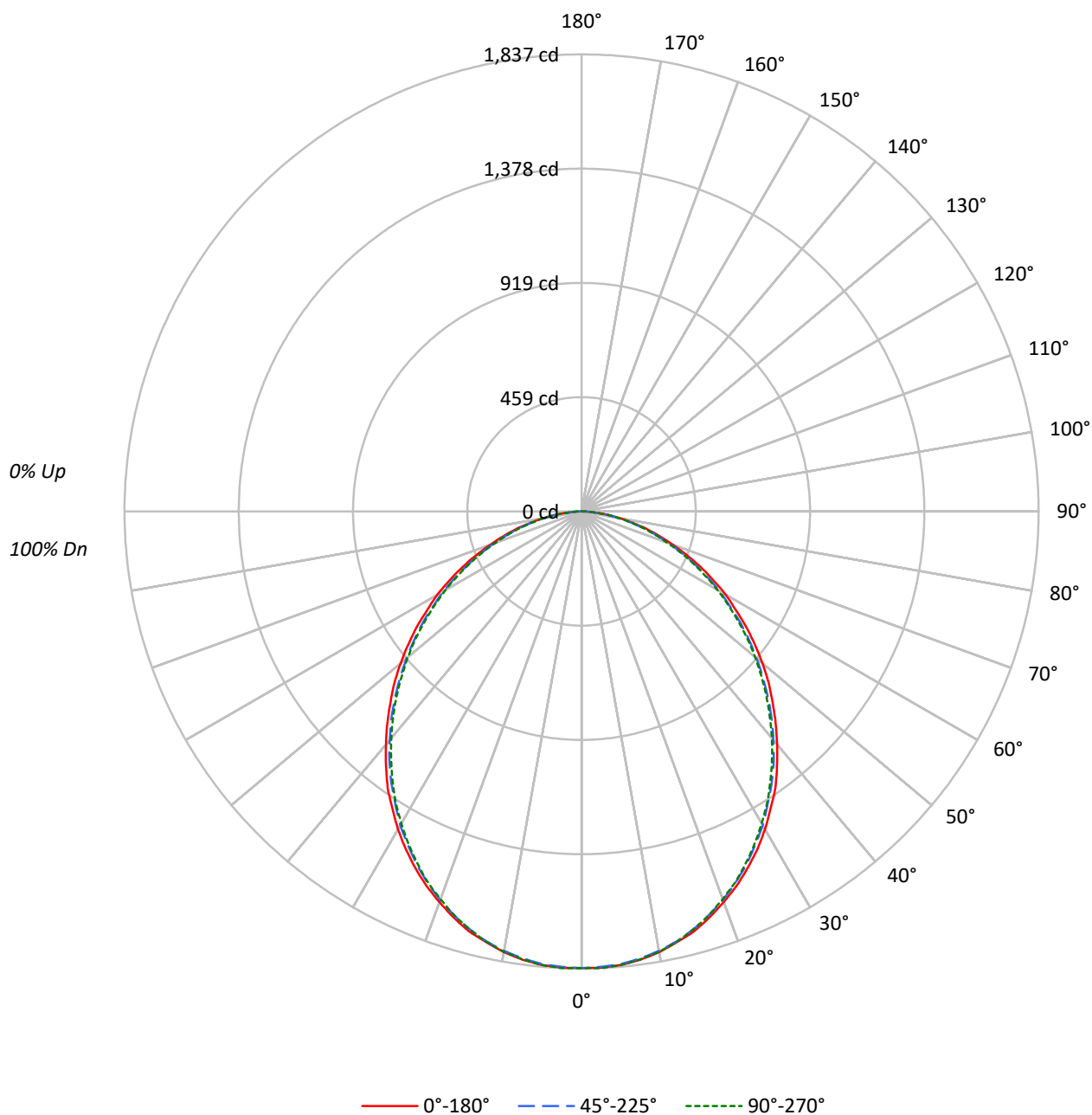
Lumens per Lamp: N/A
Luminaire Lumens: 4586.4 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4939	4939	4939
5°	4943	4933	4943
10°	4915	4900	4910
15°	4869	4843	4843
20°	4785	4759	4748
25°	4695	4651	4635
30°	4584	4527	4499
35°	4462	4378	4348
40°	4296	4213	4181
45°	4133	4035	4000
50°	3972	3842	3811
55°	3791	3653	3602
60°	3601	3443	3394
65°	3352	3189	3154
70°	3064	2949	2877
75°	2794	2623	2642
80°	2408	2266	2295
85°	1862	1806	1692

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	3.8
10°-20°	490.2	10.7
20°-30°	722.0	15.7
30°-40°	835.2	18.2
40°-50°	821.1	17.9
50°-60°	699.8	15.3
60°-70°	501.4	10.9
70°-80°	272.3	5.9
80°-90°	71.0	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°	1385.6	30.2
0°-40°	2220.8	48.4
0°-60°	3741.7	81.6
0°-90°	4586.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4586.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1835	1835	1835	1835	1835	
5°	1830	1826	1826	1826	1830	174
15°	1748	1740	1738	1737	1738	492
25°	1581	1574	1567	1563	1561	728
35°	1358	1347	1333	1325	1324	847
45°	1086	1079	1060	1051	1051	839
55°	808	793	779	770	768	721
65°	526	516	501	495	495	522
75°	269	260	252	249	254	284
85°	60	60	58	57	55	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1835.4	1835.4	1835.4	1835.4	1835.4
2.5°	1835.4	1833.5	1831.7	1833.5	1837.2
5°	1829.9	1826.2	1826.2	1826.2	1829.9
7.5°	1817.1	1813.4	1811.6	1813.4	1815.3
10°	1798.8	1795.1	1793.3	1795.1	1797.0
12.5°	1773.2	1771.4	1769.6	1769.6	1771.4
15°	1747.6	1740.3	1738.5	1736.6	1738.5
17.5°	1711.1	1709.2	1701.9	1701.9	1701.9
20°	1670.8	1667.2	1661.7	1658.0	1658.0
22.5°	1628.8	1625.1	1616.0	1612.3	1614.2
25°	1581.3	1574.0	1566.6	1563.0	1561.2
27.5°	1530.1	1522.8	1511.8	1506.3	1506.3
30°	1475.2	1469.8	1457.0	1449.6	1447.8
32.5°	1414.9	1411.3	1393.0	1389.3	1389.3
35°	1358.2	1347.3	1332.6	1325.3	1323.5
37.5°	1290.6	1283.3	1268.7	1259.5	1257.7
40°	1223.0	1213.8	1199.2	1191.9	1190.1
42.5°	1155.3	1146.2	1131.6	1122.4	1120.6
45°	1085.9	1078.6	1060.3	1051.1	1051.1
47.5°	1020.1	1005.4	989.0	981.7	979.8
50°	948.8	936.0	917.7	910.4	910.4
52.5°	877.5	868.3	848.2	844.6	840.9
55°	808.0	793.4	778.7	769.6	767.8
57.5°	733.0	720.3	705.6	698.3	698.3
60°	669.1	652.6	639.8	630.7	630.7
62.5°	595.9	581.3	568.5	563.0	561.2
65°	526.5	515.5	500.9	495.4	495.4
67.5°	457.0	447.9	435.1	429.6	431.4
70°	389.4	383.9	374.8	367.4	365.6
72.5°	327.2	319.9	310.8	308.9	308.9
75°	268.7	259.6	252.3	248.6	254.1
77.5°	208.4	202.9	199.3	197.4	199.3
80°	155.4	148.1	146.2	148.1	148.1
82.5°	107.9	104.2	102.4	102.4	102.4
85°	60.3	60.3	58.5	56.7	54.8
87.5°	23.8	23.8	25.6	25.6	27.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)