

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: P995640

Luminaire Tested: 24D3X-LP-WD-60-L950.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2305-008-4)
Test Lab: INNOVATION CENTER
Issue Date: 12/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24D3X-LP-WD-60-L950.ies
Description: 2x4 D3X-LP AT 6000LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

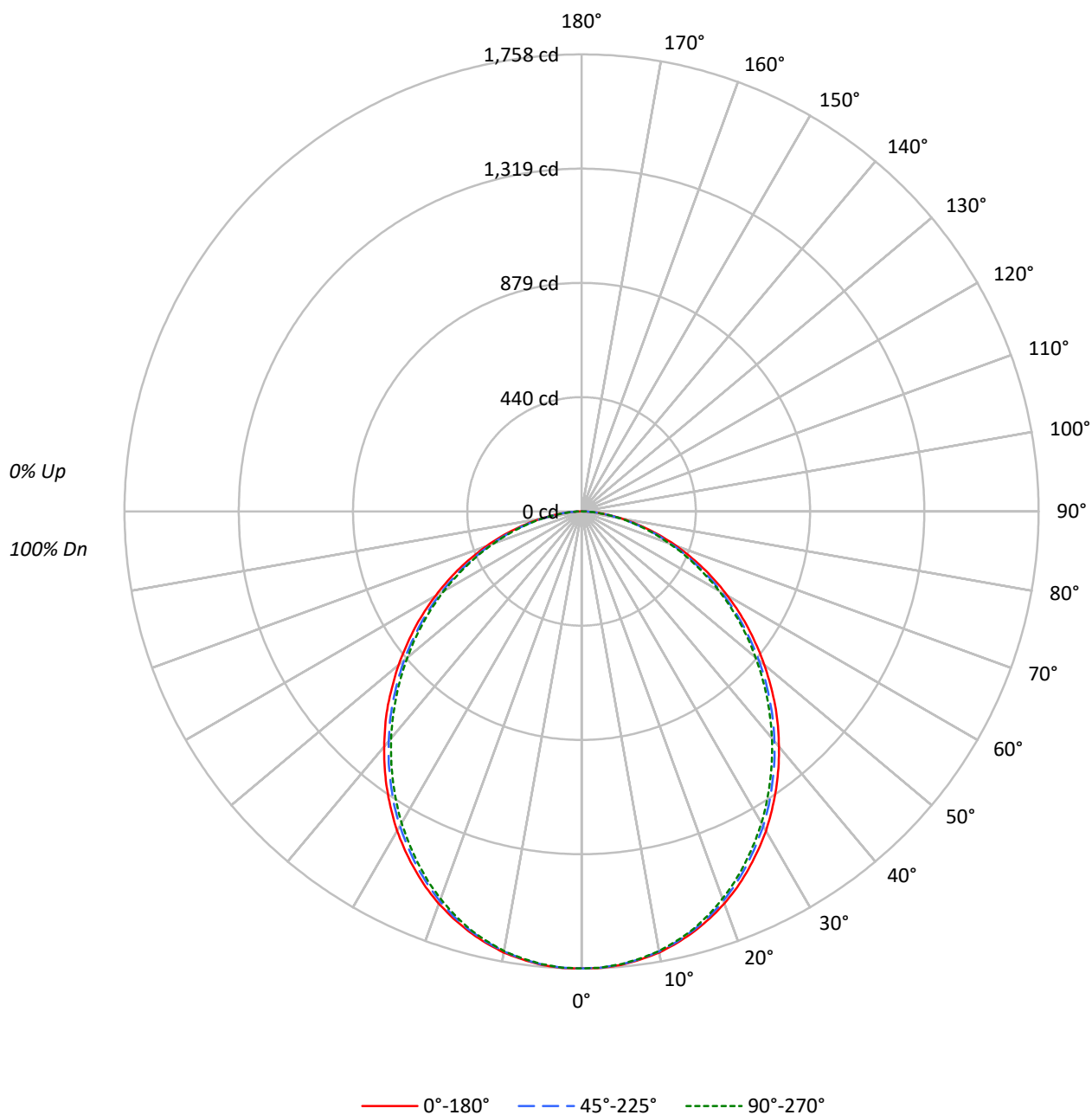
Lumens per Lamp: N/A
Luminaire Lumens: 4432.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.9
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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32		32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	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°	2365	2365	2365
5°	2365	2363	2361
10°	2354	2348	2346
15°	2330	2322	2316
20°	2299	2283	2270
25°	2255	2230	2213
30°	2205	2171	2150
35°	2142	2101	2078
40°	2074	2026	2001
45°	2003	1946	1918
50°	1922	1862	1829
55°	1837	1773	1739
60°	1742	1673	1641
65°	1640	1563	1531
70°	1526	1444	1408
75°	1384	1306	1285
80°	1199	1135	1141
85°	990	977	912

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.0	3.7
10°-20°	469.8	10.6
20°-30°	692.4	15.6
30°-40°	801.6	18.1
40°-50°	791.4	17.9
50°-60°	677.8	15.3
60°-70°	490.1	11.1
70°-80°	270.1	6.1
80°-90°	72.8	1.6
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°	1328.3	30.0
0°-40°	2129.8	48.1
0°-60°	3599.1	81.2
0°-90°	4432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1758	1758	1758	1758	1758	
5°	1751	1750	1749	1748	1748	166
15°	1673	1671	1667	1664	1663	472
25°	1519	1515	1502	1495	1491	699
35°	1304	1296	1279	1268	1265	815
45°	1053	1039	1023	1013	1008	811
55°	783	768	756	745	742	700
65°	515	504	491	484	481	511
75°	266	258	251	250	247	283
85°	64	64	63	59	59	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1757.7	1757.7	1757.7	1757.7	1757.7
2.5°	1757.7	1757.7	1756.1	1756.1	1756.1
5°	1751.1	1750.3	1749.4	1747.8	1747.8
7.5°	1738.6	1738.6	1736.1	1736.1	1734.4
10°	1722.8	1721.1	1718.6	1718.6	1717.0
12.5°	1700.3	1698.6	1695.3	1694.5	1692.0
15°	1672.8	1671.2	1667.0	1664.5	1662.9
17.5°	1641.2	1638.7	1633.7	1629.6	1626.2
20°	1605.4	1602.1	1594.6	1589.6	1585.5
22.5°	1564.7	1561.3	1550.5	1544.7	1540.5
25°	1518.9	1514.7	1502.2	1494.7	1490.6
27.5°	1469.8	1464.8	1450.6	1442.3	1438.2
30°	1419.0	1411.5	1397.4	1387.4	1384.1
32.5°	1362.4	1354.9	1340.8	1329.1	1325.8
35°	1304.2	1295.8	1279.2	1268.4	1265.0
37.5°	1244.2	1233.4	1218.4	1207.6	1202.6
40°	1181.0	1170.2	1153.5	1141.9	1139.4
42.5°	1117.7	1104.4	1090.3	1078.6	1073.6
45°	1052.8	1038.7	1022.9	1012.9	1007.9
47.5°	984.6	971.3	957.1	945.5	941.3
50°	918.0	903.8	889.7	878.9	873.9
52.5°	849.7	835.6	822.3	813.1	808.1
55°	783.2	768.2	755.7	744.9	741.5
57.5°	715.7	702.4	688.3	678.3	675.8
60°	647.5	635.8	621.7	612.5	610.0
62.5°	581.8	570.1	556.8	547.6	543.5
65°	515.2	503.5	491.0	483.5	481.0
67.5°	450.3	439.4	428.6	421.1	419.5
70°	387.8	377.0	367.0	360.4	357.9
72.5°	325.4	317.9	307.9	303.8	301.3
75°	266.3	258.0	251.3	250.5	247.2
77.5°	208.9	208.1	197.2	195.6	195.6
80°	154.8	152.3	146.5	144.8	147.3
82.5°	106.5	104.9	101.5	100.7	99.9
85°	64.1	64.1	63.3	59.1	59.1
87.5°	29.1	28.3	27.5	28.3	30.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)