

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: P995637

Luminaire Tested: 24D3X-LP-WD-60-L930.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995637
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-L930.ies
Description: 2x4 D3X-LP AT 6000LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

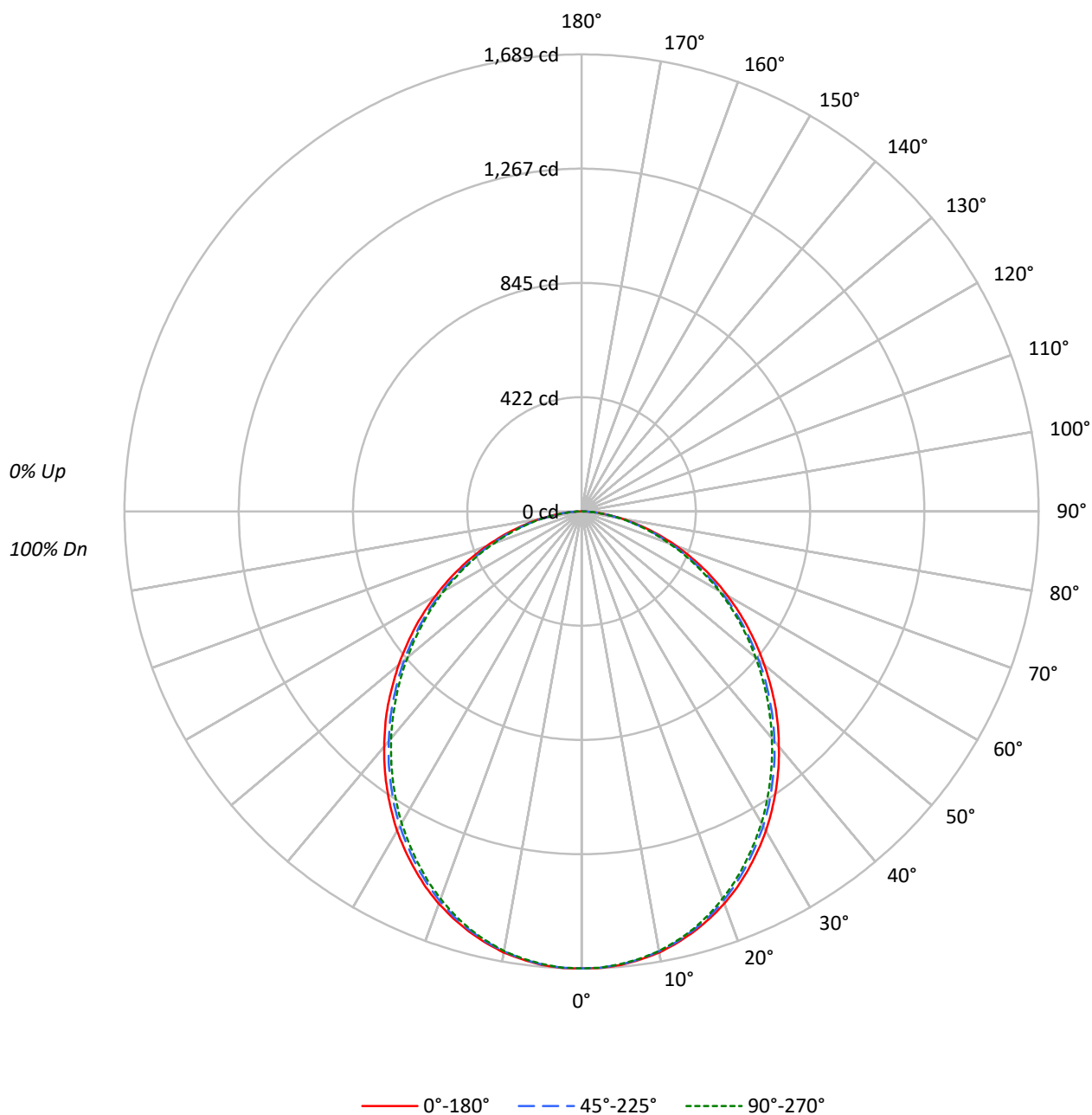
Lumens per Lamp: N/A
Luminaire Lumens: 4257.9 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	105	100	97	106	102	99	95	98	95	92		94	92	89		85
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		60
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		40
7	66	53	44	38	64	52	44	38	51	43	38		49	42	38		35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2272	2272	2272
5°	2272	2270	2268
10°	2261	2256	2254
15°	2239	2231	2225
20°	2208	2194	2181
25°	2166	2143	2126
30°	2118	2086	2066
35°	2058	2019	1996
40°	1993	1946	1923
45°	1925	1870	1842
50°	1846	1789	1757
55°	1765	1703	1671
60°	1674	1607	1577
65°	1576	1502	1471
70°	1466	1387	1352
75°	1330	1255	1235
80°	1152	1090	1096
85°	951	939	877

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1925 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	3.7
10°-20°	451.4	10.6
20°-30°	665.2	15.6
30°-40°	770.1	18.1
40°-50°	760.3	17.9
50°-60°	651.2	15.3
60°-70°	470.8	11.1
70°-80°	259.5	6.1
80°-90°	69.9	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°	1276.1	30.0
0°-40°	2046.2	48.1
0°-60°	3457.7	81.2
0°-90°	4257.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4257.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1689	1689	1689	1689	1689	
5°	1682	1682	1681	1679	1679	160
15°	1607	1606	1602	1599	1598	453
25°	1459	1455	1443	1436	1432	672
35°	1253	1245	1229	1218	1215	783
45°	1012	998	983	973	968	779
55°	752	738	726	716	712	673
65°	495	484	472	464	462	491
75°	256	248	242	241	238	272
85°	62	62	61	57	57	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1688.7	1688.7	1688.7	1688.7	1688.7
2.5°	1688.7	1688.7	1687.1	1687.1	1687.1
5°	1682.3	1681.5	1680.7	1679.1	1679.1
7.5°	1670.3	1670.3	1667.9	1667.9	1666.3
10°	1655.1	1653.5	1651.1	1651.1	1649.5
12.5°	1633.5	1631.9	1628.7	1627.9	1625.5
15°	1607.1	1605.5	1601.5	1599.1	1597.5
17.5°	1576.7	1574.3	1569.5	1565.6	1562.4
20°	1542.4	1539.2	1532.0	1527.2	1523.2
22.5°	1503.2	1500.0	1489.6	1484.0	1480.0
25°	1459.2	1455.2	1443.2	1436.0	1432.0
27.5°	1412.0	1407.2	1393.6	1385.6	1381.7
30°	1363.3	1356.1	1342.5	1332.9	1329.7
32.5°	1308.9	1301.7	1288.1	1276.9	1273.7
35°	1252.9	1244.9	1228.9	1218.5	1215.3
37.5°	1195.4	1185.0	1170.6	1160.2	1155.4
40°	1134.6	1124.2	1108.2	1097.0	1094.6
42.5°	1073.8	1061.0	1047.4	1036.2	1031.4
45°	1011.5	997.9	982.7	973.1	968.3
47.5°	945.9	933.1	919.5	908.3	904.3
50°	881.9	868.3	854.7	844.3	839.5
52.5°	816.4	802.8	790.0	781.2	776.4
55°	752.4	738.0	726.0	715.6	712.4
57.5°	687.6	674.8	661.2	651.6	649.2
60°	622.1	610.9	597.3	588.5	586.1
62.5°	558.9	547.7	534.9	526.1	522.1
65°	494.9	483.7	471.7	464.5	462.1
67.5°	432.6	422.2	411.8	404.6	403.0
70°	372.6	362.2	352.6	346.2	343.8
72.5°	312.6	305.4	295.8	291.8	289.4
75°	255.9	247.9	241.5	240.7	237.5
77.5°	200.7	199.9	189.5	187.9	187.9
80°	148.7	146.3	140.7	139.1	141.5
82.5°	102.3	100.7	97.5	96.7	95.9
85°	61.6	61.6	60.8	56.8	56.8
87.5°	28.0	27.2	26.4	27.2	29.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)