

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: P#

Luminaire Tested: 14D3X-LP-WD-50-L830.ies

Issue Date: 2/27/2025

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab: INNOVATION CENTER
Issue Date: 2/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-WD-50-L830.ies
Description: 1x4 D3X-LP ROUND PERF AT 5000lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4371.3 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

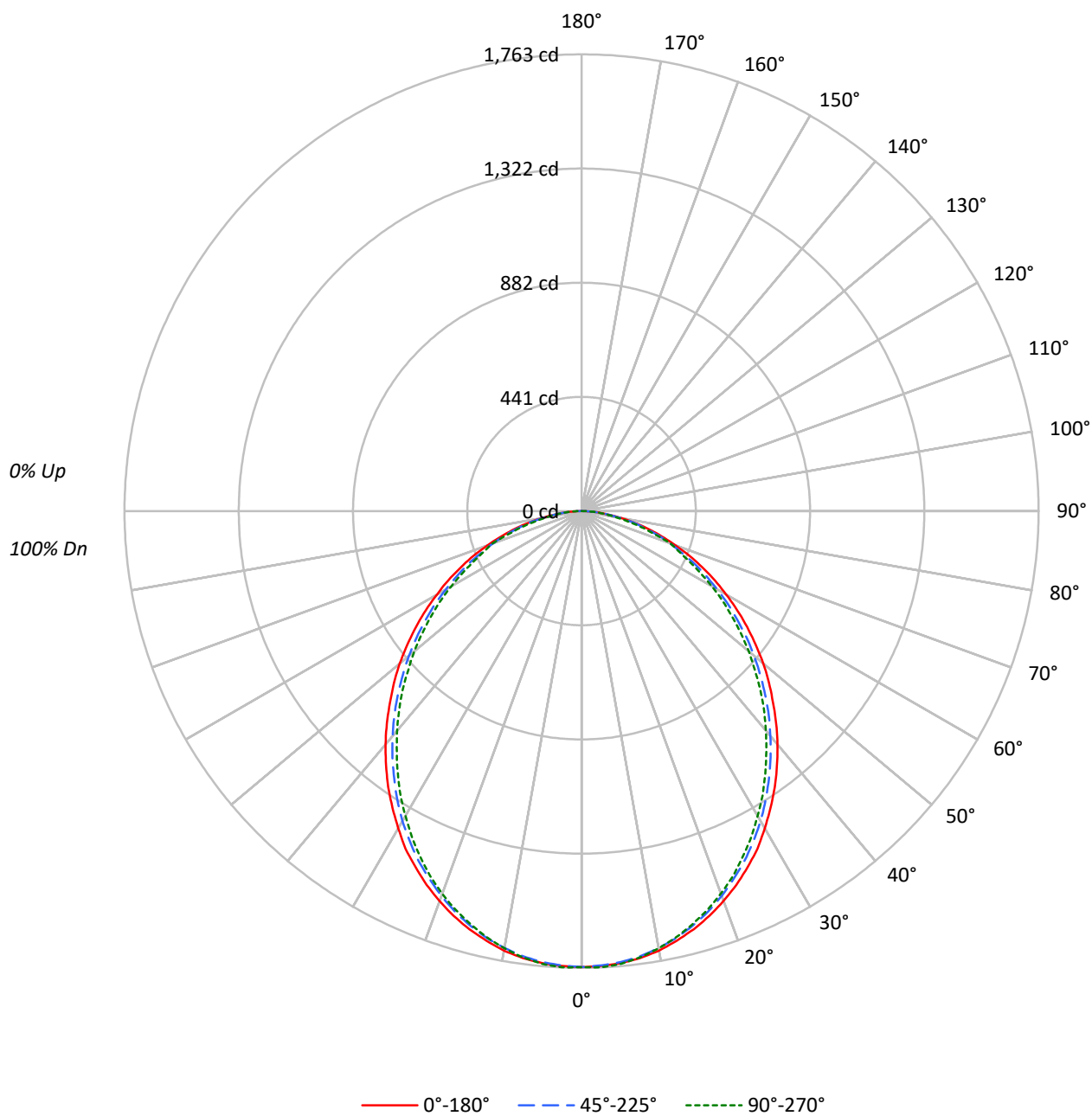
Input Watts (W): 59.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	98	95	98	95	92	94	92	89	91	88	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	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	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°	4737	4737	4737
5°	4731	4720	4738
10°	4708	4679	4683
15°	4656	4616	4602
20°	4586	4527	4501
25°	4502	4421	4371
30°	4393	4293	4221
35°	4271	4140	4059
40°	4131	3982	3886
45°	3974	3812	3714
50°	3831	3636	3522
55°	3657	3444	3323
60°	3464	3249	3123
65°	3267	3053	2913
70°	3020	2847	2878
75°	2781	2620	2486
80°	2424	2323	2083
85°	2035	1914	1914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3974 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	3.8
10°-20°	467.7	10.7
20°-30°	686.4	15.7
30°-40°	790.5	18.1
40°-50°	776.0	17.8
50°-60°	661.6	15.1
60°-70°	478.6	10.9
70°-80°	269.1	6.2
80°-90°	75.2	1.7
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°	1320.2	30.2
0°-40°	2110.7	48.3
0°-60°	3548.3	81.2
0°-90°	4371.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4371.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1760	1760	1760	1760	1760	
5°	1751	1753	1747	1753	1754	166
15°	1671	1669	1657	1654	1652	471
25°	1516	1504	1489	1477	1472	698
35°	1300	1285	1260	1243	1236	812
45°	1044	1031	1002	982	976	807
55°	779	762	734	716	708	697
65°	513	499	480	461	458	509
75°	268	262	252	242	239	283
85°	66	68	62	62	62	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1760.3	1760.3	1760.3	1760.3	1760.3
2.5°	1757.7	1759.0	1755.2	1761.6	1762.9
5°	1751.3	1752.6	1747.4	1752.6	1753.9
7.5°	1739.6	1739.6	1733.2	1737.1	1737.1
10°	1722.8	1720.3	1712.5	1713.8	1713.8
12.5°	1698.3	1698.3	1687.9	1687.9	1685.4
15°	1671.1	1668.6	1656.9	1654.3	1651.8
17.5°	1638.8	1635.0	1622.0	1616.9	1614.3
20°	1601.4	1594.9	1580.7	1574.2	1571.6
22.5°	1561.3	1552.2	1535.4	1527.7	1525.1
25°	1516.1	1504.4	1488.9	1477.3	1472.1
27.5°	1469.5	1457.9	1435.9	1423.0	1417.8
30°	1413.9	1402.3	1381.6	1366.1	1358.4
32.5°	1357.1	1346.7	1322.2	1305.4	1300.2
35°	1300.2	1284.7	1260.1	1243.3	1235.6
37.5°	1238.2	1225.2	1198.1	1180.0	1171.0
40°	1176.1	1163.2	1133.5	1114.1	1106.3
42.5°	1111.5	1094.7	1068.9	1048.2	1041.7
45°	1044.3	1031.4	1001.7	982.3	975.8
47.5°	981.0	961.6	934.4	915.1	906.0
50°	915.1	897.0	868.5	847.9	841.4
52.5°	846.6	831.0	802.6	781.9	774.2
55°	779.4	762.5	734.1	716.0	708.3
57.5°	712.1	696.6	670.8	650.1	644.9
60°	643.6	629.4	603.6	586.8	580.3
62.5°	580.3	563.5	540.2	523.4	517.0
65°	513.1	498.9	479.5	461.4	457.5
67.5°	451.1	440.7	416.2	403.2	404.5
70°	383.9	383.9	361.9	349.0	365.8
72.5°	324.4	325.7	306.3	298.6	292.1
75°	267.5	262.4	252.0	241.7	239.1
77.5°	210.7	213.3	204.2	184.8	182.2
80°	156.4	170.6	149.9	137.0	134.4
82.5°	107.3	121.5	103.4	96.9	95.6
85°	65.9	68.5	62.0	62.0	62.0
87.5°	28.4	32.3	31.0	31.0	32.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)