

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-L930.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-L930.ies
Description: 1x4 D3X-LP ROUND PERF AT 5000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3788.1 lumens
Efficiency: N/A
Efficacy: 63.9 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

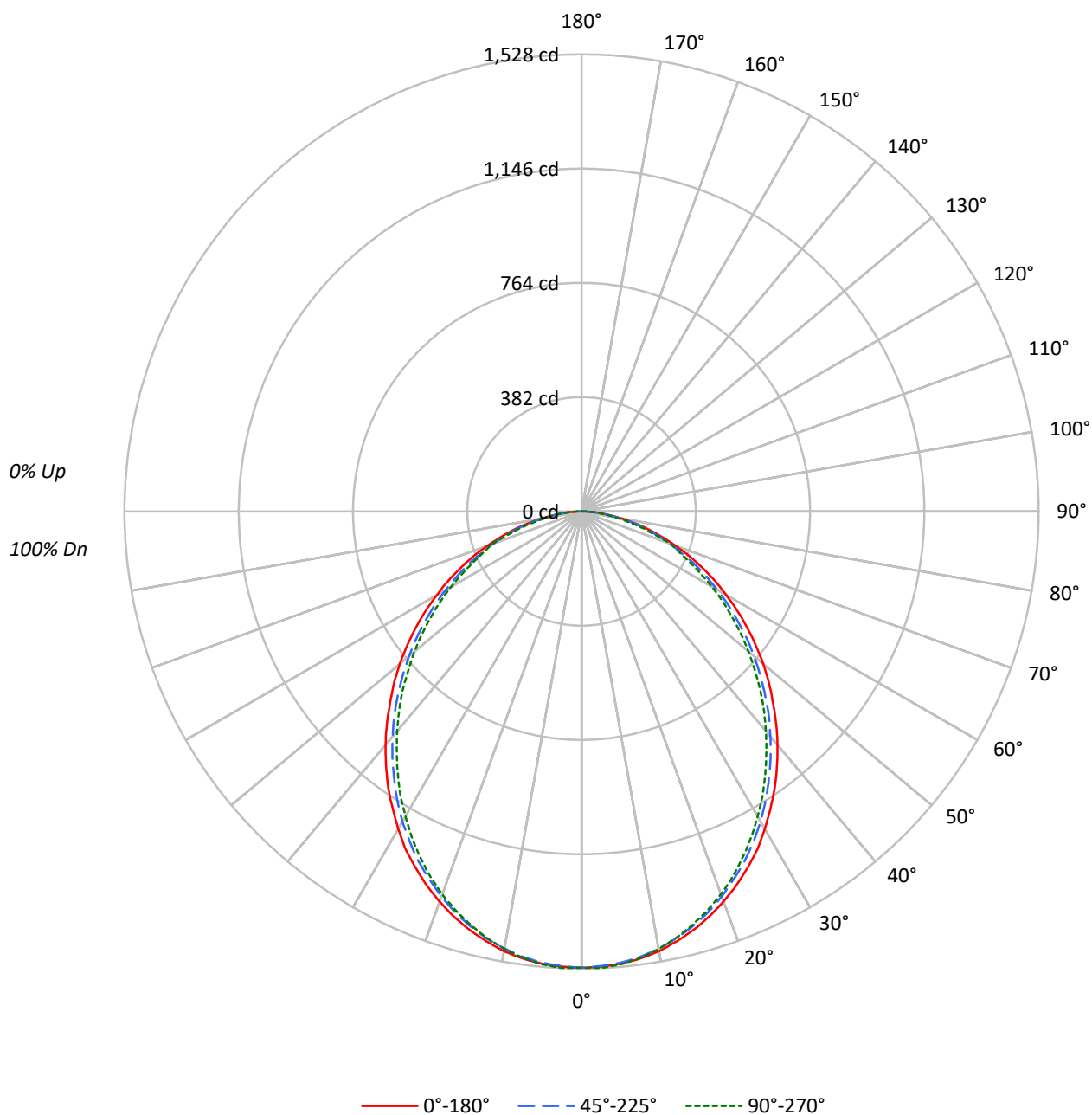
Input Watts (W): 59.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	4105	4105	4105
5°	4099	4091	4106
10°	4080	4055	4058
15°	4035	4000	3988
20°	3974	3923	3900
25°	3901	3831	3788
30°	3807	3720	3658
35°	3701	3587	3517
40°	3580	3451	3368
45°	3444	3303	3218
50°	3320	3151	3052
55°	3169	2985	2880
60°	3002	2815	2707
65°	2831	2646	2525
70°	2617	2467	2494
75°	2410	2271	2154
80°	2100	2013	1805
85°	1763	1661	1661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	3.8
10°-20°	405.3	10.7
20°-30°	594.8	15.7
30°-40°	685.1	18.1
40°-50°	672.5	17.8
50°-60°	573.4	15.1
60°-70°	414.8	10.9
70°-80°	233.2	6.2
80°-90°	65.2	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°	1144.0	30.2
0°-40°	1829.1	48.3
0°-60°	3074.9	81.2
0°-90°	3788.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3788.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1526	1526	1526	1526	1526	
5°	1518	1519	1514	1519	1520	144
15°	1448	1446	1436	1434	1431	408
25°	1314	1304	1290	1280	1276	605
35°	1127	1113	1092	1078	1071	704
45°	905	894	868	851	846	699
55°	675	661	636	620	614	604
65°	445	432	416	400	396	441
75°	232	227	218	209	207	245
85°	57	59	54	54	54	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1525.5	1525.5	1525.5	1525.5	1525.5
2.5°	1523.2	1524.4	1521.0	1526.6	1527.7
5°	1517.6	1518.8	1514.3	1518.8	1519.9
7.5°	1507.6	1507.6	1502.0	1505.3	1505.3
10°	1493.0	1490.8	1484.0	1485.2	1485.2
12.5°	1471.7	1471.7	1462.7	1462.7	1460.5
15°	1448.2	1445.9	1435.9	1433.6	1431.4
17.5°	1420.2	1416.8	1405.6	1401.1	1398.9
20°	1387.7	1382.1	1369.8	1364.2	1361.9
22.5°	1353.0	1345.1	1330.6	1323.9	1321.6
25°	1313.8	1303.7	1290.3	1280.2	1275.7
27.5°	1273.5	1263.4	1244.3	1233.1	1228.7
30°	1225.3	1215.2	1197.3	1183.9	1177.1
32.5°	1176.0	1167.1	1145.8	1131.2	1126.7
35°	1126.7	1113.3	1092.0	1077.5	1070.7
37.5°	1073.0	1061.8	1038.3	1022.6	1014.7
40°	1019.2	1008.0	982.3	965.5	958.7
42.5°	963.2	948.7	926.3	908.3	902.7
45°	905.0	893.8	868.0	851.2	845.6
47.5°	850.1	833.3	809.8	793.0	785.1
50°	793.0	777.3	752.7	734.7	729.1
52.5°	733.6	720.2	695.5	677.6	670.9
55°	675.4	660.8	636.2	620.5	613.8
57.5°	617.1	603.7	581.3	563.4	558.9
60°	557.8	545.5	523.1	508.5	502.9
62.5°	502.9	488.3	468.2	453.6	448.0
65°	444.6	432.3	415.5	399.8	396.5
67.5°	390.9	381.9	360.6	349.4	350.6
70°	332.6	332.6	313.6	302.4	317.0
72.5°	281.1	282.2	265.4	258.7	253.1
75°	231.8	227.4	218.4	209.4	207.2
77.5°	182.6	184.8	177.0	160.2	157.9
80°	135.5	147.8	129.9	118.7	116.5
82.5°	93.0	105.3	89.6	84.0	82.9
85°	57.1	59.4	53.8	53.8	53.8
87.5°	24.6	28.0	26.9	26.9	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)