

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-50-L927.ies

Issue Date: 2/27/2025

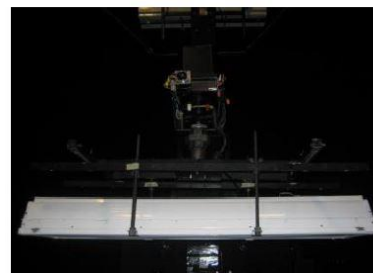
Test Information

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-50-L927.ies
Description: 1x4 D3X-LP AT 5000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3796.5 lumens
Efficiency: N/A
Efficacy: 64.0 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

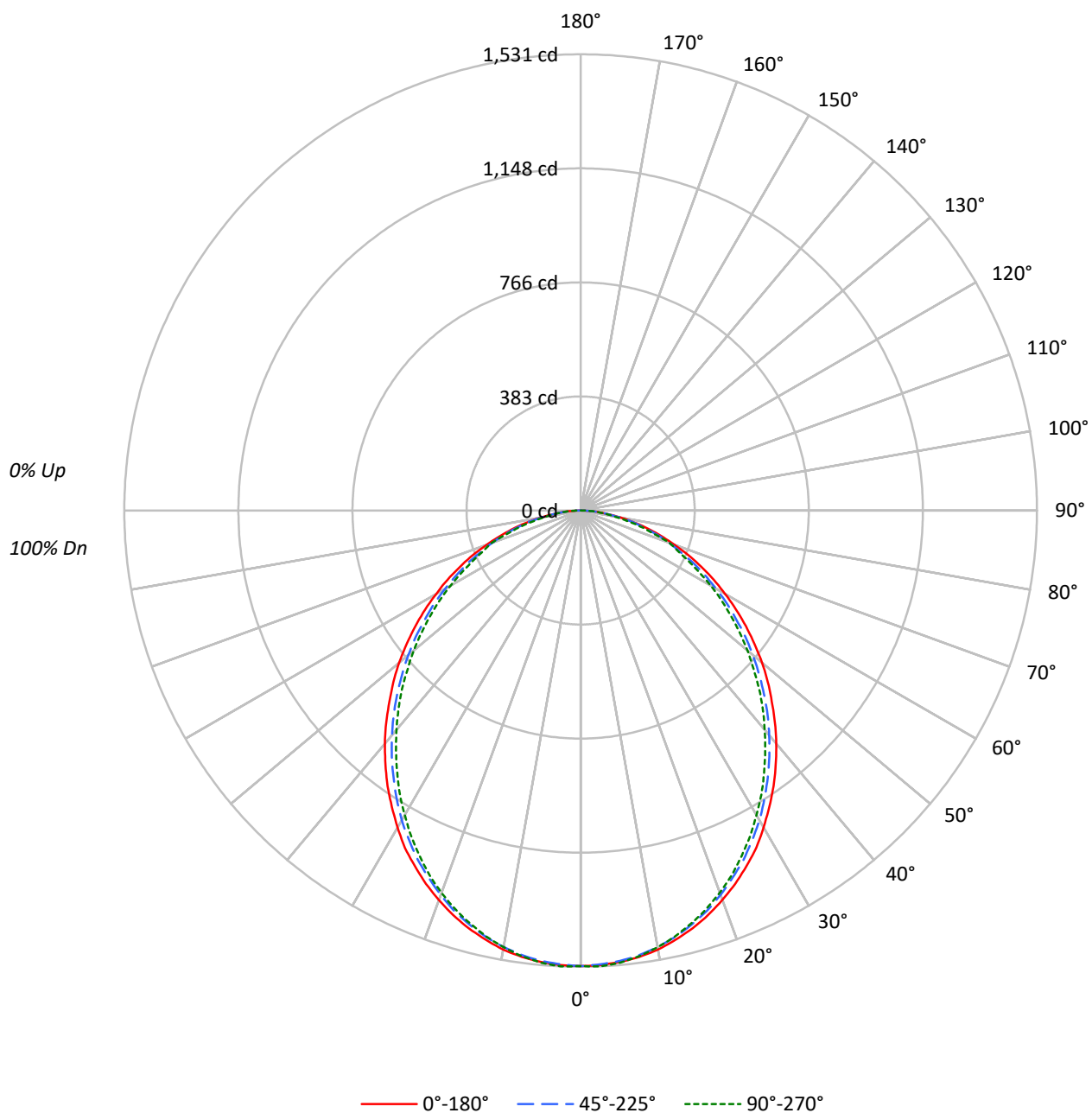
Input Watts (W): 59.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	87	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	73	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	63	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4114	4114	4114
5°	4109	4099	4115
10°	4089	4064	4067
15°	4043	4009	3997
20°	3983	3931	3909
25°	3910	3839	3796
30°	3816	3729	3666
35°	3710	3595	3525
40°	3588	3458	3375
45°	3452	3311	3225
50°	3327	3158	3059
55°	3176	2991	2886
60°	3009	2821	2713
65°	2837	2652	2530
70°	2623	2473	2500
75°	2416	2276	2159
80°	2104	2018	1808
85°	1766	1664	1664

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	3.8
10°-20°	406.2	10.7
20°-30°	596.1	15.7
30°-40°	686.6	18.1
40°-50°	674.0	17.8
50°-60°	574.6	15.1
60°-70°	415.7	10.9
70°-80°	233.8	6.2
80°-90°	65.3	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°	1146.6	30.2
0°-40°	1833.2	48.3
0°-60°	3081.8	81.2
0°-90°	3796.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3796.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1529	1529	1529	1529	1529	
5°	1521	1522	1518	1522	1523	144
15°	1451	1449	1439	1437	1435	409
25°	1317	1307	1293	1283	1278	606
35°	1129	1116	1094	1080	1073	705
45°	907	896	870	853	848	701
55°	677	662	638	622	615	605
65°	446	433	416	401	397	442
75°	232	228	219	210	208	246
85°	57	60	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°	1528.9	1528.9	1528.9	1528.9	1528.9
2.5°	1526.6	1527.7	1524.4	1530.0	1531.1
5°	1521.0	1522.1	1517.6	1522.1	1523.2
7.5°	1510.9	1510.9	1505.3	1508.7	1508.7
10°	1496.3	1494.1	1487.3	1488.5	1488.5
12.5°	1475.0	1475.0	1466.0	1466.0	1463.8
15°	1451.4	1449.2	1439.1	1436.8	1434.6
17.5°	1423.3	1420.0	1408.8	1404.3	1402.0
20°	1390.8	1385.2	1372.8	1367.2	1365.0
22.5°	1356.0	1348.1	1333.5	1326.8	1324.6
25°	1316.7	1306.6	1293.1	1283.0	1278.5
27.5°	1276.3	1266.2	1247.1	1235.9	1231.4
30°	1228.0	1217.9	1200.0	1186.5	1179.8
32.5°	1178.6	1169.7	1148.3	1133.7	1129.2
35°	1129.2	1115.8	1094.4	1079.9	1073.1
37.5°	1075.4	1064.1	1040.6	1024.9	1017.0
40°	1021.5	1010.3	984.4	967.6	960.9
42.5°	965.4	950.8	928.3	910.4	904.7
45°	907.0	895.8	869.9	853.1	847.5
47.5°	852.0	835.1	811.6	794.7	786.9
50°	794.7	779.0	754.3	736.4	730.8
52.5°	735.2	721.8	697.1	679.1	672.4
55°	676.9	662.3	637.6	621.9	615.1
57.5°	618.5	605.0	582.6	564.6	560.1
60°	559.0	546.7	524.2	509.6	504.0
62.5°	504.0	489.4	469.2	454.6	449.0
65°	445.6	433.3	416.5	400.7	397.4
67.5°	391.8	382.8	361.4	350.2	351.3
70°	333.4	333.4	314.3	303.1	317.7
72.5°	281.8	282.9	266.0	259.3	253.7
75°	232.4	227.9	218.9	209.9	207.7
77.5°	183.0	185.2	177.4	160.5	158.3
80°	135.8	148.2	130.2	119.0	116.7
82.5°	93.2	105.5	89.8	84.2	83.1
85°	57.2	59.5	53.9	53.9	53.9
87.5°	24.7	28.1	26.9	26.9	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)