

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-L930.ies

Issue Date: 2/27/2025

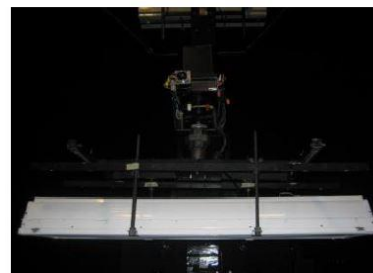
Test Information

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-50-L930.ies
Description: 1x4 D3X-LP AT 5000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

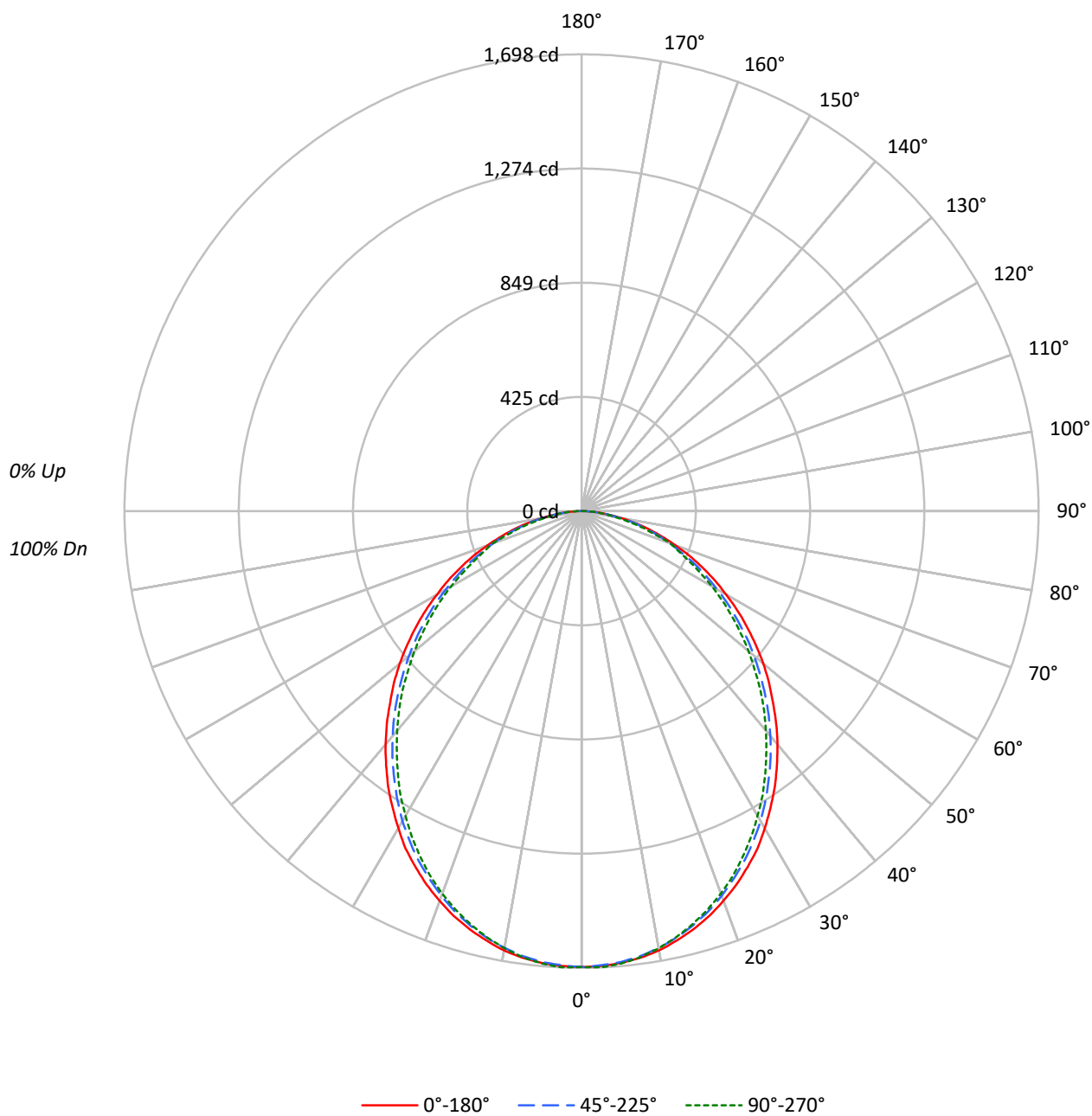
Lumens per Lamp: N/A
Luminaire Lumens: 4209.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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					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°	4561	4561	4561
5°	4555	4545	4562
10°	4533	4506	4509
15°	4483	4445	4431
20°	4416	4359	4334
25°	4334	4257	4209
30°	4230	4134	4064
35°	4113	3986	3908
40°	3978	3834	3742
45°	3827	3671	3576
50°	3689	3501	3391
55°	3521	3316	3200
60°	3335	3128	3007
65°	3146	2940	2805
70°	2908	2742	2771
75°	2678	2523	2393
80°	2334	2238	2005
85°	1961	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3827 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	3.8
10°-20°	450.4	10.7
20°-30°	660.9	15.7
30°-40°	761.2	18.1
40°-50°	747.2	17.8
50°-60°	637.1	15.1
60°-70°	460.9	10.9
70°-80°	259.1	6.2
80°-90°	72.4	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°	1271.2	30.2
0°-40°	2032.3	48.3
0°-60°	3416.6	81.2
0°-90°	4209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1695	1695	1695	1695	1695	
5°	1686	1688	1682	1688	1689	160
15°	1609	1607	1595	1593	1590	453
25°	1460	1449	1434	1422	1418	672
35°	1252	1237	1213	1197	1190	782
45°	1006	993	964	946	940	777
55°	750	734	707	689	682	671
65°	494	480	462	444	440	490
75°	258	253	243	233	230	272
85°	64	66	60	60	60	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1695.0	1695.0	1695.0	1695.0	1695.0
2.5°	1692.5	1693.7	1690.0	1696.2	1697.5
5°	1686.3	1687.5	1682.5	1687.5	1688.7
7.5°	1675.1	1675.1	1668.8	1672.6	1672.6
10°	1658.9	1656.4	1648.9	1650.2	1650.2
12.5°	1635.2	1635.2	1625.3	1625.3	1622.8
15°	1609.1	1606.6	1595.4	1592.9	1590.4
17.5°	1578.0	1574.3	1561.8	1556.8	1554.3
20°	1541.9	1535.7	1522.0	1515.8	1513.3
22.5°	1503.3	1494.6	1478.4	1471.0	1468.5
25°	1459.8	1448.6	1433.6	1422.4	1417.5
27.5°	1415.0	1403.8	1382.6	1370.2	1365.2
30°	1361.4	1350.2	1330.3	1315.4	1307.9
32.5°	1306.7	1296.7	1273.1	1256.9	1251.9
35°	1251.9	1237.0	1213.4	1197.2	1189.7
37.5°	1192.2	1179.8	1153.6	1136.2	1127.5
40°	1132.5	1120.0	1091.4	1072.7	1065.3
42.5°	1070.2	1054.1	1029.2	1009.3	1003.0
45°	1005.5	993.1	964.5	945.8	939.6
47.5°	944.6	925.9	899.8	881.1	872.4
50°	881.1	863.7	836.3	816.4	810.1
52.5°	815.1	800.2	772.8	752.9	745.4
55°	750.4	734.2	706.9	689.4	682.0
57.5°	685.7	670.8	645.9	626.0	621.0
60°	619.7	606.1	581.2	565.0	558.8
62.5°	558.8	542.6	520.2	504.0	497.8
65°	494.1	480.4	461.7	444.3	440.5
67.5°	434.3	424.4	400.7	388.3	389.5
70°	369.6	369.6	348.5	336.0	352.2
72.5°	312.4	313.6	294.9	287.5	281.3
75°	257.6	252.6	242.7	232.7	230.2
77.5°	202.8	205.3	196.6	178.0	175.5
80°	150.6	164.3	144.4	131.9	129.4
82.5°	103.3	117.0	99.6	93.3	92.1
85°	63.5	66.0	59.7	59.7	59.7
87.5°	27.4	31.1	29.9	29.9	31.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)