

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-L935.ies

Issue Date: 2/27/2025

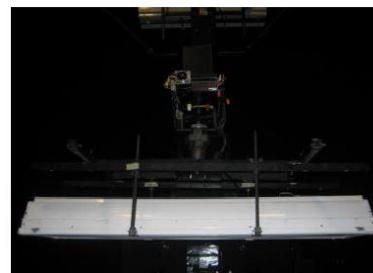
Test Information

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-L935.ies
Description: 1x4 D3X-LP AT 5000lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4266.0 lumens
Efficiency: N/A
Efficacy: 71.9 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

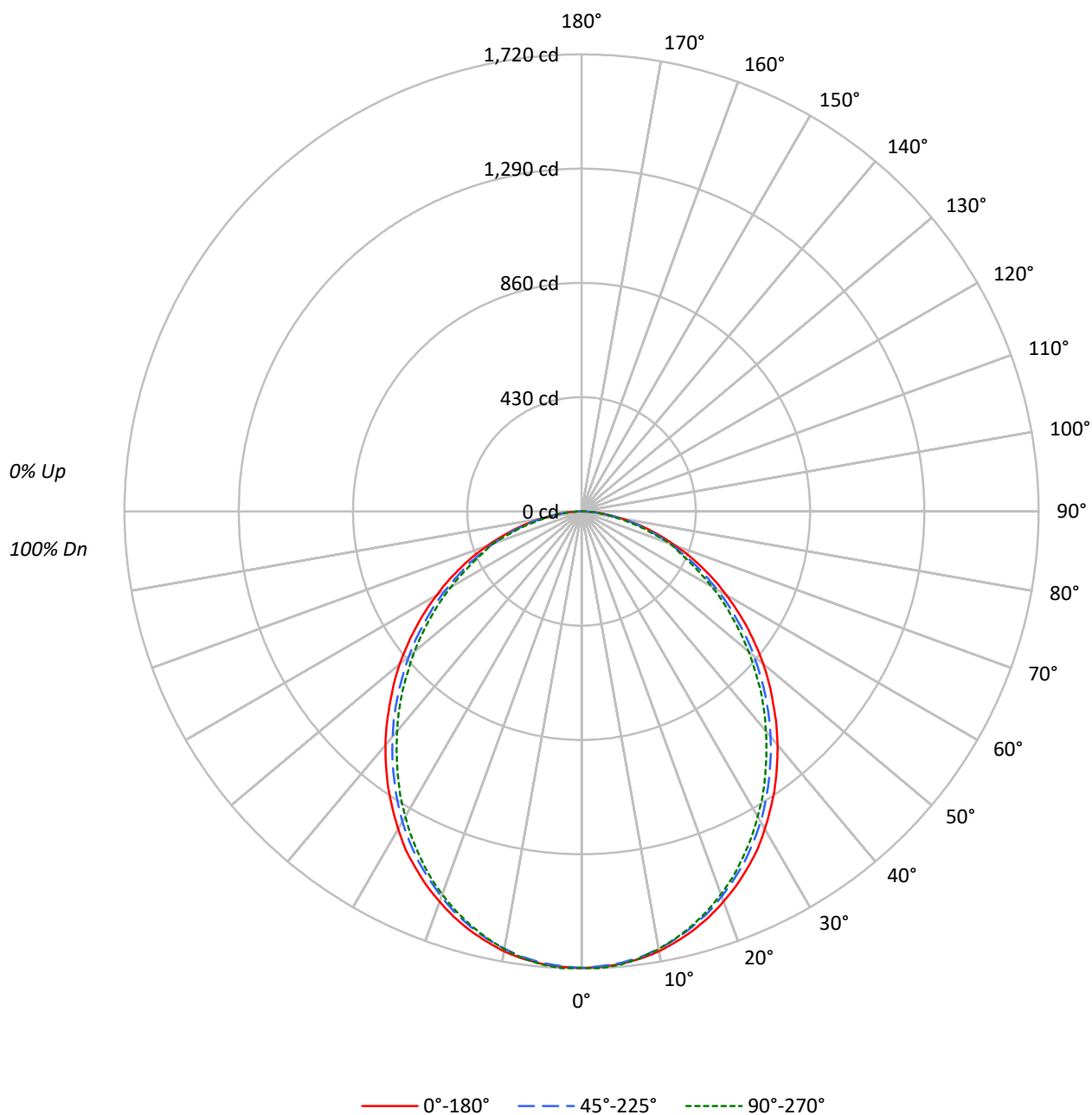
Input Watts (W): 59.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	4623	4623	4623
5°	4617	4606	4623
10°	4594	4567	4570
15°	4544	4505	4491
20°	4475	4418	4392
25°	4393	4314	4266
30°	4288	4190	4119
35°	4168	4040	3961
40°	4032	3886	3793
45°	3878	3720	3624
50°	3738	3548	3437
55°	3568	3361	3243
60°	3380	3170	3048
65°	3188	2980	2843
70°	2947	2779	2809
75°	2715	2558	2426
80°	2365	2267	2033
85°	1985	1868	1868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3878 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	3.8
10°-20°	456.5	10.7
20°-30°	669.9	15.7
30°-40°	771.5	18.1
40°-50°	757.3	17.8
50°-60°	645.7	15.1
60°-70°	467.1	10.9
70°-80°	262.7	6.2
80°-90°	73.4	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°	1288.4	30.2
0°-40°	2059.8	48.3
0°-60°	3462.8	81.2
0°-90°	4266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1718	1718	1718	1718	1718	
5°	1709	1710	1705	1710	1712	162
15°	1631	1628	1617	1614	1612	460
25°	1480	1468	1453	1442	1437	681
35°	1269	1254	1230	1213	1206	793
45°	1019	1006	978	959	952	788
55°	761	744	716	699	691	680
65°	501	487	468	450	446	497
75°	261	256	246	236	233	276
85°	64	67	60	60	60	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1717.9	1717.9	1717.9	1717.9	1717.9
2.5°	1715.4	1716.7	1712.9	1719.2	1720.4
5°	1709.1	1710.4	1705.3	1710.4	1711.6
7.5°	1697.7	1697.7	1691.4	1695.2	1695.2
10°	1681.3	1678.8	1671.3	1672.5	1672.5
12.5°	1657.4	1657.4	1647.3	1647.3	1644.8
15°	1630.9	1628.4	1617.0	1614.5	1612.0
17.5°	1599.4	1595.6	1583.0	1577.9	1575.4
20°	1562.8	1556.5	1542.6	1536.3	1533.8
22.5°	1523.7	1514.8	1498.5	1490.9	1488.4
25°	1479.5	1468.2	1453.0	1441.7	1436.6
27.5°	1434.1	1422.8	1401.3	1388.7	1383.7
30°	1379.9	1368.5	1348.4	1333.2	1325.7
32.5°	1324.4	1314.3	1290.3	1273.9	1268.9
35°	1268.9	1253.8	1229.8	1213.4	1205.8
37.5°	1208.3	1195.7	1169.2	1151.6	1142.8
40°	1147.8	1135.2	1106.2	1087.3	1079.7
42.5°	1084.7	1068.3	1043.1	1022.9	1016.6
45°	1019.1	1006.5	977.5	958.6	952.3
47.5°	957.3	938.4	911.9	893.0	884.2
50°	893.0	875.4	847.6	827.4	821.1
52.5°	826.2	811.0	783.3	763.1	755.5
55°	760.6	744.2	716.4	698.8	691.2
57.5°	695.0	679.9	654.6	634.4	629.4
60°	628.1	614.3	589.0	572.6	566.3
62.5°	566.3	549.9	527.2	510.8	504.5
65°	500.7	486.9	468.0	450.3	446.5
67.5°	440.2	430.1	406.1	393.5	394.8
70°	374.6	374.6	353.2	340.6	357.0
72.5°	316.6	317.9	298.9	291.4	285.1
75°	261.1	256.0	246.0	235.9	233.3
77.5°	205.6	208.1	199.3	180.4	177.8
80°	152.6	166.5	146.3	133.7	131.2
82.5°	104.7	118.6	100.9	94.6	93.3
85°	64.3	66.9	60.5	60.5	60.5
87.5°	27.7	31.5	30.3	30.3	31.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)