

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-L940.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-L940.ies
Description: 1x4 D3X-LP AT 5000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

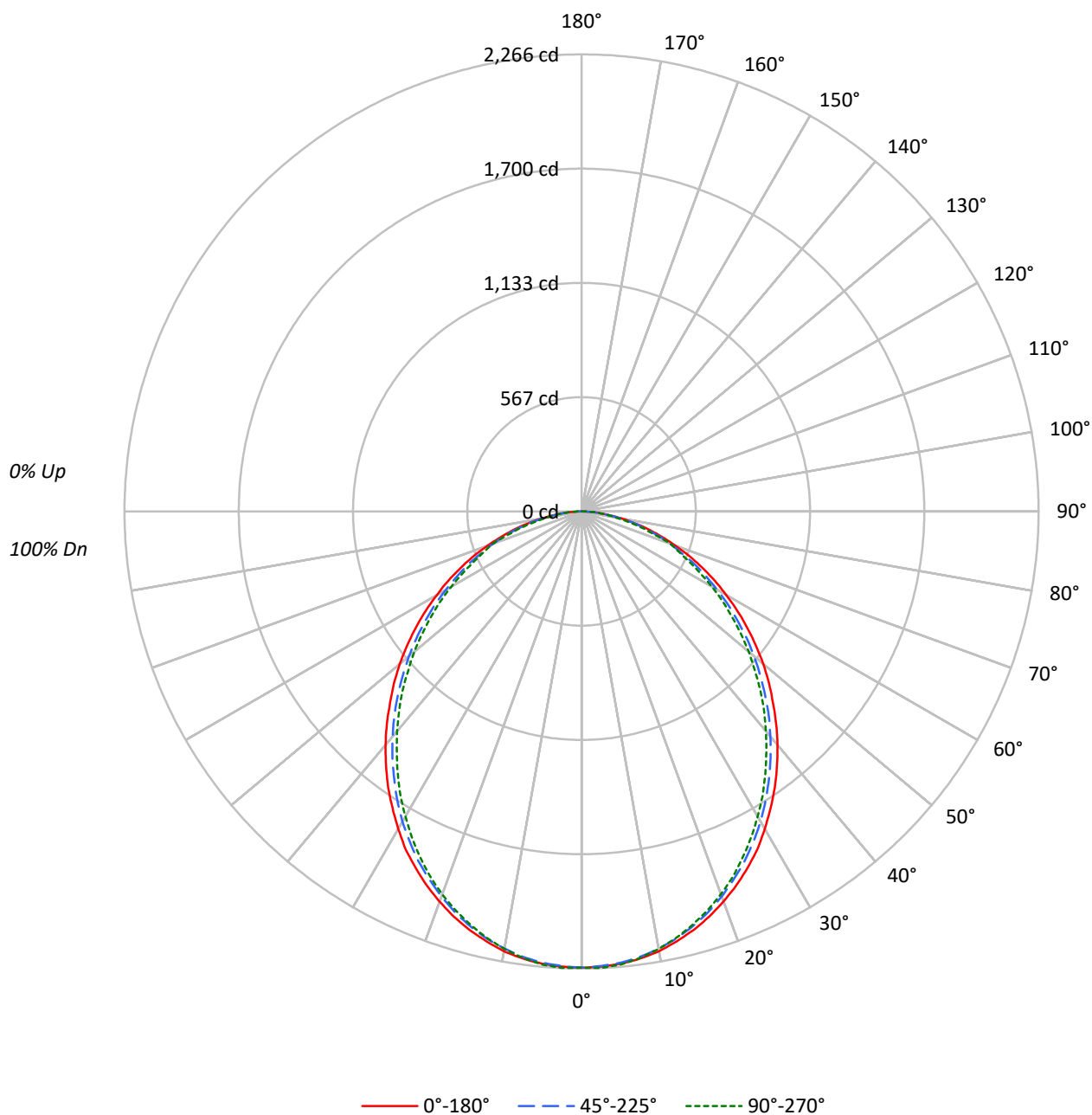
Lumens per Lamp: N/A
Luminaire Lumens: 5618.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	6088	6088	6088
5°	6080	6066	6089
10°	6050	6014	6019
15°	5984	5933	5914
20°	5894	5818	5784
25°	5785	5682	5618
30°	5647	5518	5425
35°	5489	5320	5217
40°	5310	5117	4995
45°	5108	4899	4773
50°	4923	4673	4527
55°	4699	4427	4271
60°	4452	4175	4014
65°	4199	3924	3744
70°	3881	3659	3699
75°	3575	3368	3195
80°	3115	2986	2678
85°	2615	2461	2461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5108 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	3.8
10°-20°	601.1	10.7
20°-30°	882.1	15.7
30°-40°	1016.0	18.1
40°-50°	997.3	17.8
50°-60°	850.3	15.1
60°-70°	615.1	10.9
70°-80°	345.9	6.2
80°-90°	96.7	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°	1696.7	30.2
0°-40°	2712.7	48.3
0°-60°	4560.3	81.2
0°-90°	5618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5618.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2262	2262	2262	2262	2262	
5°	2251	2252	2246	2252	2254	214
15°	2148	2144	2130	2126	2123	605
25°	1948	1934	1914	1899	1892	897
35°	1671	1651	1620	1598	1588	1044
45°	1342	1326	1287	1262	1254	1037
55°	1002	980	944	920	910	896
65°	659	641	616	593	588	654
75°	344	337	324	311	307	363
85°	85	88	80	80	80	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2262.4	2262.4	2262.4	2262.4	2262.4
2.5°	2259.1	2260.7	2255.7	2264.0	2265.7
5°	2250.7	2252.4	2245.8	2252.4	2254.1
7.5°	2235.8	2235.8	2227.5	2232.5	2232.5
10°	2214.2	2210.9	2200.9	2202.6	2202.6
12.5°	2182.6	2182.6	2169.4	2169.4	2166.0
15°	2147.8	2144.4	2129.5	2126.2	2122.8
17.5°	2106.2	2101.2	2084.6	2078.0	2074.7
20°	2058.1	2049.8	2031.5	2023.2	2019.9
22.5°	2006.6	1994.9	1973.3	1963.4	1960.1
25°	1948.4	1933.5	1913.5	1898.6	1892.0
27.5°	1888.6	1873.7	1845.4	1828.8	1822.2
30°	1817.2	1802.3	1775.7	1755.7	1745.8
32.5°	1744.1	1730.8	1699.3	1677.7	1671.0
35°	1671.0	1651.1	1619.5	1597.9	1588.0
37.5°	1591.3	1574.7	1539.8	1516.6	1504.9
40°	1511.6	1495.0	1456.8	1431.8	1421.9
42.5°	1428.5	1406.9	1373.7	1347.1	1338.8
45°	1342.1	1325.5	1287.3	1262.4	1254.1
47.5°	1260.7	1235.8	1201.0	1176.0	1164.4
50°	1176.0	1152.8	1116.2	1089.7	1081.4
52.5°	1088.0	1068.1	1031.5	1004.9	995.0
55°	1001.6	980.0	943.5	920.2	910.3
57.5°	915.2	895.3	862.1	835.5	828.9
60°	827.2	808.9	775.7	754.1	745.8
62.5°	745.8	724.2	694.3	672.7	664.4
65°	659.4	641.2	616.3	593.0	588.0
67.5°	579.7	566.4	534.9	518.3	519.9
70°	493.3	493.3	465.1	448.5	470.1
72.5°	416.9	418.6	393.7	383.7	375.4
75°	343.8	337.2	323.9	310.6	307.3
77.5°	270.8	274.1	262.4	237.5	234.2
80°	201.0	219.3	192.7	176.1	172.8
82.5°	137.9	156.1	132.9	124.6	122.9
85°	84.7	88.0	79.7	79.7	79.7
87.5°	36.5	41.5	39.9	39.9	41.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)