

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-L940.ies

Issue Date: 2/27/2025

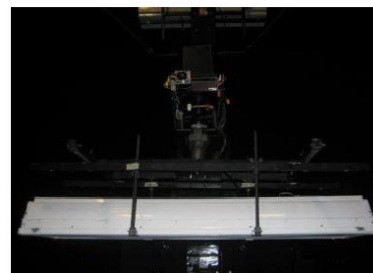
Test Information

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-WD-50-L940.ies
Description: 1x4 D3X-LP ROUND PERF AT 5000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5056.2 lumens
Efficiency: N/A
Efficacy: 85.3 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

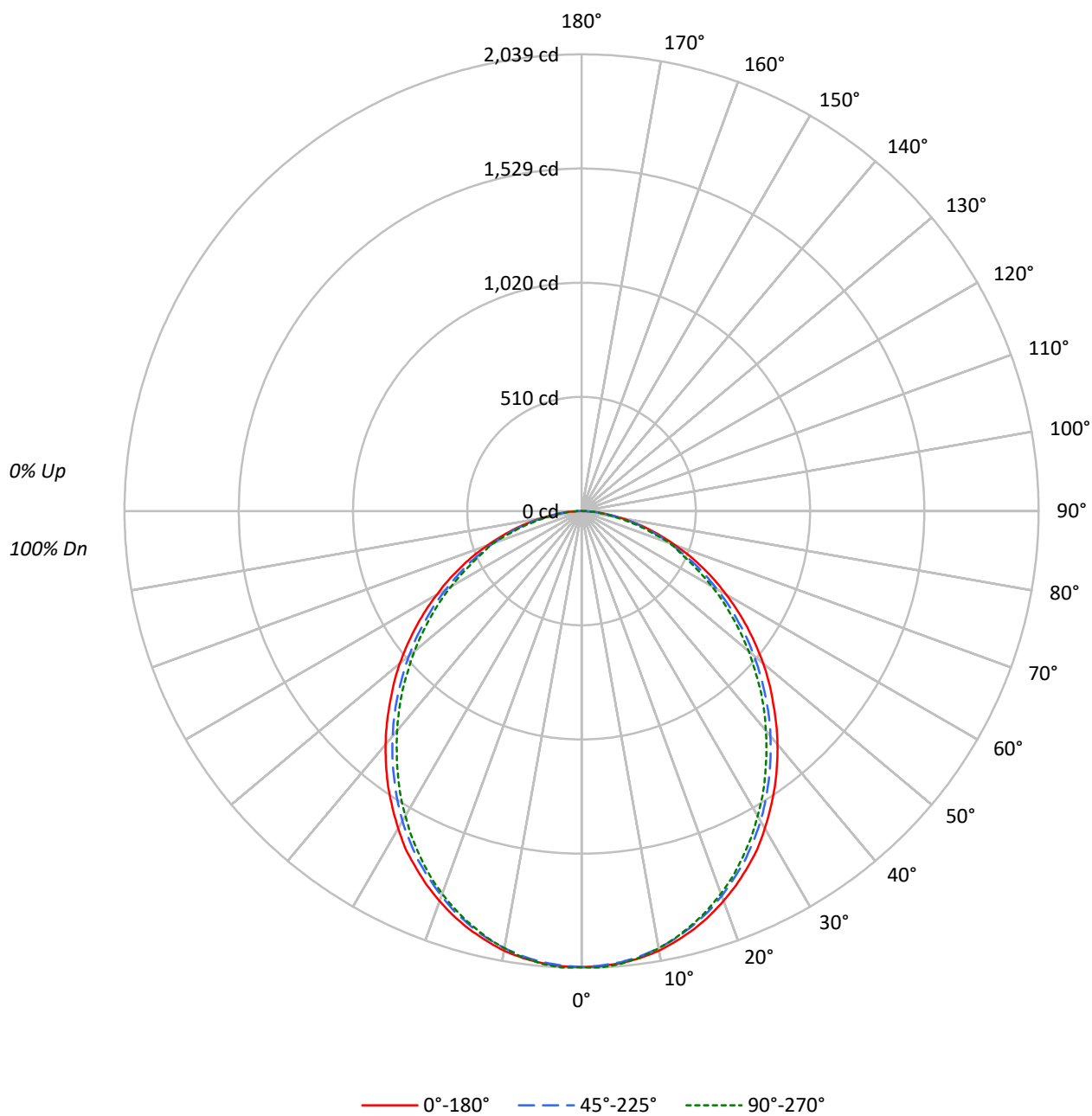
Input Watts (W): 59.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	5479	5479	5479
5°	5472	5460	5480
10°	5445	5413	5417
15°	5385	5339	5323
20°	5304	5236	5206
25°	5207	5113	5056
30°	5082	4966	4882
35°	4940	4788	4695
40°	4779	4606	4495
45°	4597	4409	4295
50°	4431	4206	4074
55°	4229	3984	3843
60°	4007	3757	3612
65°	3779	3531	3370
70°	3493	3294	3329
75°	3218	3031	2876
80°	2803	2687	2410
85°	2353	2217	2217

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4597 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.1	3.8
10°-20°	541.0	10.7
20°-30°	793.9	15.7
30°-40°	914.4	18.1
40°-50°	897.6	17.8
50°-60°	765.3	15.1
60°-70°	553.6	10.9
70°-80°	311.3	6.2
80°-90°	87.0	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°	1527.0	30.2
0°-40°	2441.4	48.3
0°-60°	4104.3	81.2
0°-90°	5056.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5056.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2036	2036	2036	2036	2036	
5°	2026	2027	2021	2027	2029	192
15°	1933	1930	1916	1914	1911	545
25°	1754	1740	1722	1709	1703	807
35°	1504	1486	1458	1438	1429	940
45°	1208	1193	1159	1136	1129	933
55°	902	882	849	828	819	806
65°	594	577	555	534	529	589
75°	310	304	292	280	277	327
85°	76	79	72	72	72	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2036.1	2036.1	2036.1	2036.1	2036.1
2.5°	2033.1	2034.6	2030.2	2037.6	2039.1
5°	2025.7	2027.2	2021.2	2027.2	2028.7
7.5°	2012.2	2012.2	2004.7	2009.2	2009.2
10°	1992.8	1989.8	1980.8	1982.3	1982.3
12.5°	1964.4	1964.4	1952.4	1952.4	1949.4
15°	1933.0	1930.0	1916.5	1913.5	1910.6
17.5°	1895.6	1891.1	1876.2	1870.2	1867.2
20°	1852.3	1844.8	1828.3	1820.9	1817.9
22.5°	1805.9	1795.4	1776.0	1767.0	1764.1
25°	1753.6	1740.1	1722.2	1708.7	1702.8
27.5°	1699.8	1686.3	1660.9	1646.0	1640.0
30°	1635.5	1622.0	1598.1	1580.2	1571.2
32.5°	1569.7	1557.7	1529.3	1509.9	1503.9
35°	1503.9	1486.0	1457.6	1438.2	1429.2
37.5°	1432.2	1417.2	1385.8	1364.9	1354.4
40°	1360.4	1345.5	1311.1	1288.7	1279.7
42.5°	1285.7	1266.2	1236.3	1212.4	1204.9
45°	1207.9	1193.0	1158.6	1136.2	1128.7
47.5°	1134.7	1112.3	1080.9	1058.4	1048.0
50°	1058.4	1037.5	1004.6	980.7	973.2
52.5°	979.2	961.3	928.4	904.5	895.5
55°	901.5	882.0	849.1	828.2	819.2
57.5°	823.7	805.8	775.9	752.0	746.0
60°	744.5	728.0	698.1	678.7	671.2
62.5°	671.2	651.8	624.9	605.5	598.0
65°	593.5	577.1	554.6	533.7	529.2
67.5°	521.7	509.8	481.4	466.4	467.9
70°	444.0	444.0	418.6	403.6	423.1
72.5°	375.2	376.7	354.3	345.3	337.9
75°	309.5	303.5	291.5	279.6	276.6
77.5°	243.7	246.7	236.2	213.8	210.8
80°	180.9	197.3	173.4	158.5	155.5
82.5°	124.1	140.5	119.6	112.1	110.6
85°	76.2	79.2	71.8	71.8	71.8
87.5°	32.9	37.4	35.9	35.9	37.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)