

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-60-L950.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-60-L950.ies
Description: 1x4 D3X-LP AT 6000lm 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

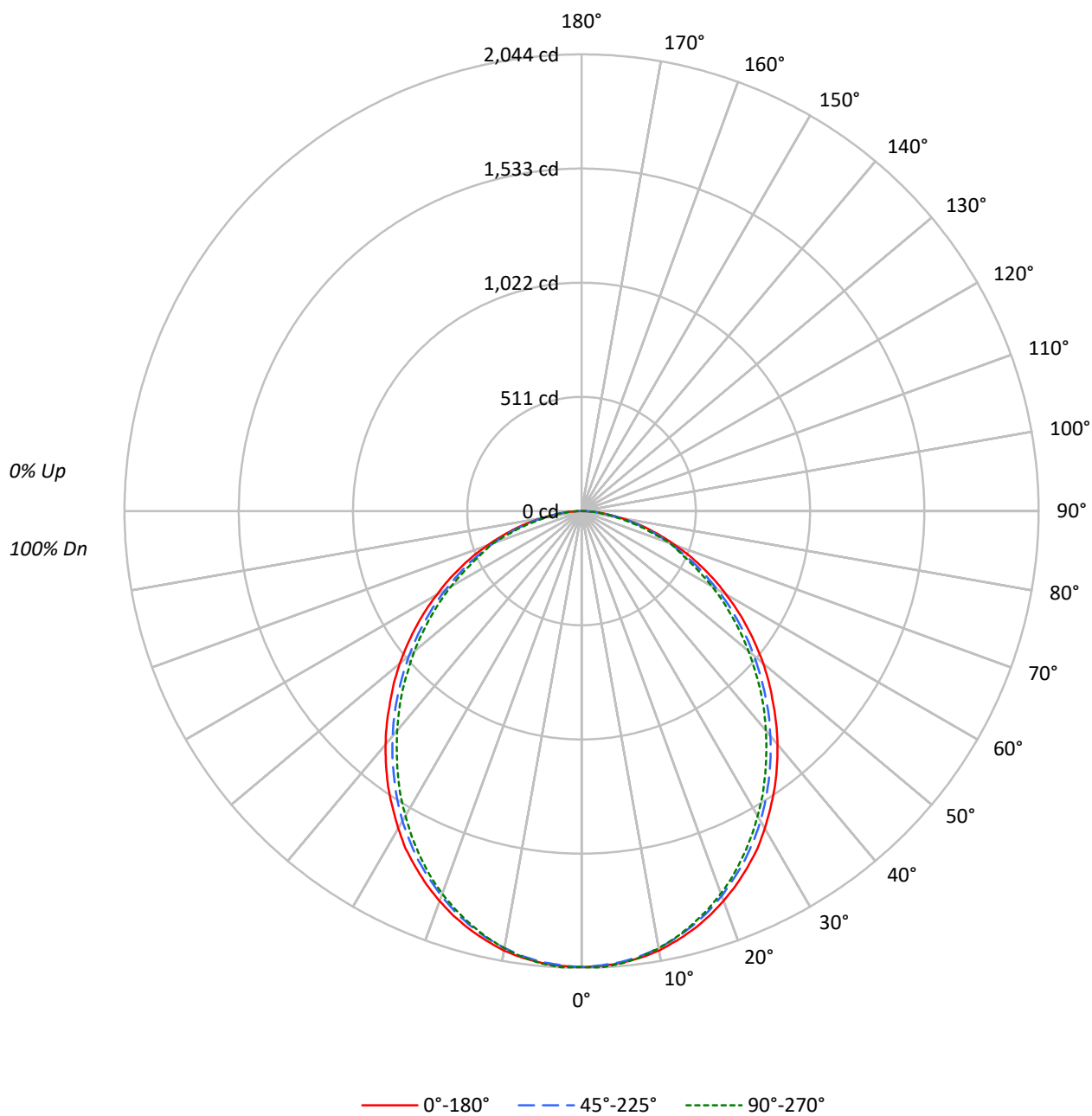
Lumens per Lamp: N/A
Luminaire Lumens: 5067.3 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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°	5491	5491	5491
5°	5484	5472	5492
10°	5457	5425	5429
15°	5397	5351	5334
20°	5316	5247	5217
25°	5218	5125	5067
30°	5093	4977	4893
35°	4951	4799	4705
40°	4789	4616	4505
45°	4607	4419	4305
50°	4441	4215	4083
55°	4238	3993	3852
60°	4015	3766	3620
65°	3787	3540	3377
70°	3501	3301	3336
75°	3224	3038	2882
80°	2810	2693	2414
85°	2359	2220	2220

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	3.8
10°-20°	542.2	10.7
20°-30°	795.7	15.7
30°-40°	916.4	18.1
40°-50°	899.6	17.8
50°-60°	767.0	15.1
60°-70°	554.8	10.9
70°-80°	312.0	6.2
80°-90°	87.2	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°	1530.4	30.2
0°-40°	2446.8	48.3
0°-60°	4113.3	81.2
0°-90°	5067.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5067.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2041	2041	2041	2041	2041	
5°	2030	2032	2026	2032	2033	193
15°	1937	1934	1921	1918	1915	546
25°	1757	1744	1726	1712	1706	809
35°	1507	1489	1461	1441	1432	942
45°	1211	1196	1161	1139	1131	936
55°	903	884	851	830	821	808
65°	595	578	556	535	530	590
75°	310	304	292	280	277	328
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°	2040.6	2040.6	2040.6	2040.6	2040.6
2.5°	2037.6	2039.1	2034.6	2042.1	2043.6
5°	2030.1	2031.6	2025.6	2031.6	2033.1
7.5°	2016.6	2016.6	2009.2	2013.6	2013.6
10°	1997.2	1994.2	1985.2	1986.7	1986.7
12.5°	1968.7	1968.7	1956.7	1956.7	1953.7
15°	1937.2	1934.2	1920.8	1917.8	1914.8
17.5°	1899.8	1895.3	1880.3	1874.3	1871.3
20°	1856.3	1848.8	1832.4	1824.9	1821.9
22.5°	1809.9	1799.4	1779.9	1770.9	1767.9
25°	1757.4	1744.0	1726.0	1712.5	1706.5
27.5°	1703.5	1690.0	1664.6	1649.6	1643.6
30°	1639.1	1625.6	1601.6	1583.6	1574.7
32.5°	1573.2	1561.2	1532.7	1513.2	1507.2
35°	1507.2	1489.3	1460.8	1441.3	1432.3
37.5°	1435.3	1420.3	1388.9	1367.9	1357.4
40°	1363.4	1348.4	1314.0	1291.5	1282.5
42.5°	1288.5	1269.0	1239.1	1215.1	1207.6
45°	1210.6	1195.6	1161.1	1138.7	1131.2
47.5°	1137.2	1114.7	1083.2	1060.8	1050.3
50°	1060.8	1039.8	1006.8	982.9	975.4
52.5°	981.4	963.4	930.4	906.4	897.5
55°	903.4	884.0	851.0	830.0	821.0
57.5°	825.5	807.6	777.6	753.6	747.6
60°	746.1	729.6	699.7	680.2	672.7
62.5°	672.7	653.2	626.3	606.8	599.3
65°	594.8	578.3	555.9	534.9	530.4
67.5°	522.9	510.9	482.4	467.5	469.0
70°	445.0	445.0	419.5	404.5	424.0
72.5°	376.1	377.6	355.1	346.1	338.6
75°	310.1	304.1	292.2	280.2	277.2
77.5°	244.2	247.2	236.7	214.2	211.3
80°	181.3	197.8	173.8	158.8	155.8
82.5°	124.4	140.8	119.9	112.4	110.9
85°	76.4	79.4	71.9	71.9	71.9
87.5°	33.0	37.5	36.0	36.0	37.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)