

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-60-L935.ies

Issue Date: 2/27/2025

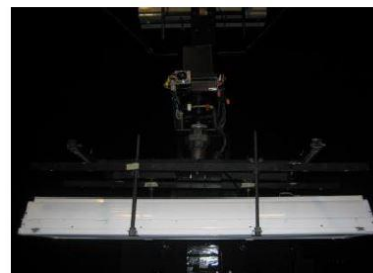
Test Information

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-WD-60-L935.ies
Description: 1x4 D3X-LP ROUND PERF AT 6000lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4440.7 lumens
Efficiency: N/A
Efficacy: 62.4 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

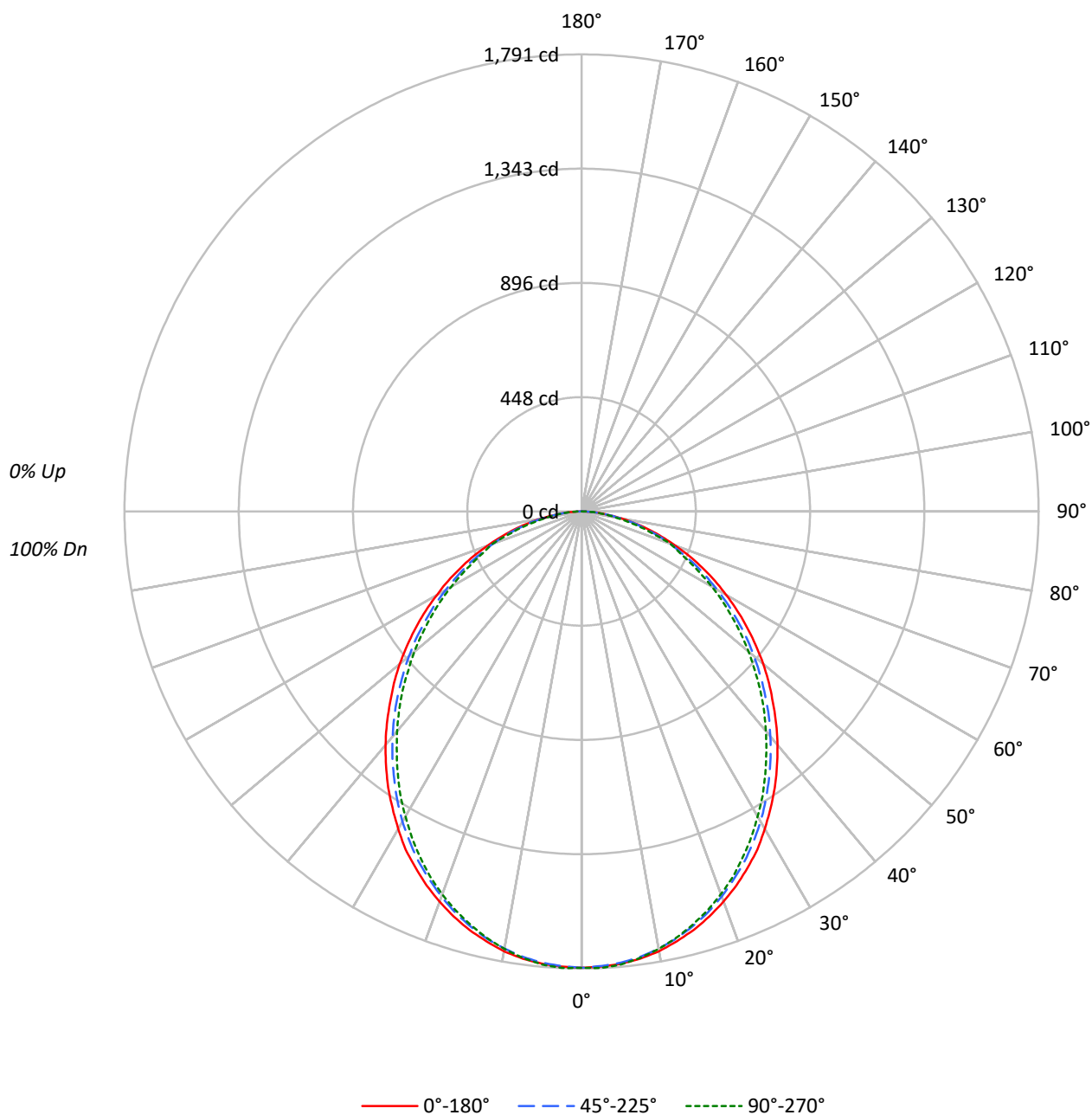
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	4812	4812	4812
5°	4806	4795	4813
10°	4782	4754	4757
15°	4730	4689	4675
20°	4659	4598	4572
25°	4573	4491	4440
30°	4463	4361	4288
35°	4339	4205	4123
40°	4197	4045	3948
45°	4037	3873	3773
50°	3892	3694	3578
55°	3714	3499	3376
60°	3519	3300	3173
65°	3319	3102	2960
70°	3068	2892	2924
75°	2826	2662	2525
80°	2462	2360	2115
85°	2069	1945	1945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4037 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	3.8
10°-20°	475.1	10.7
20°-30°	697.3	15.7
30°-40°	803.1	18.1
40°-50°	788.3	17.8
50°-60°	672.1	15.1
60°-70°	486.2	10.9
70°-80°	273.4	6.2
80°-90°	76.4	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°	1341.1	30.2
0°-40°	2144.2	48.3
0°-60°	3604.7	81.2
0°-90°	4440.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4440.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1788	1788	1788	1788	1788	
5°	1779	1780	1775	1780	1782	169
15°	1698	1695	1683	1681	1678	478
25°	1540	1528	1512	1501	1496	709
35°	1321	1305	1280	1263	1255	825
45°	1061	1048	1018	998	991	820
55°	792	775	746	727	720	708
65°	521	507	487	469	465	517
75°	272	266	256	246	243	287
85°	67	70	63	63	63	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1788.3	1788.3	1788.3	1788.3	1788.3
2.5°	1785.6	1787.0	1783.0	1789.6	1790.9
5°	1779.1	1780.4	1775.1	1780.4	1781.7
7.5°	1767.3	1767.3	1760.7	1764.6	1764.6
10°	1750.2	1747.6	1739.7	1741.0	1741.0
12.5°	1725.2	1725.2	1714.7	1714.7	1712.1
15°	1697.7	1695.0	1683.2	1680.6	1678.0
17.5°	1664.8	1660.9	1647.8	1642.5	1639.9
20°	1626.8	1620.2	1605.8	1599.2	1596.6
22.5°	1586.1	1576.9	1559.8	1551.9	1549.3
25°	1540.1	1528.3	1512.5	1500.7	1495.5
27.5°	1492.9	1481.0	1458.7	1445.6	1440.3
30°	1436.4	1424.6	1403.6	1387.8	1379.9
32.5°	1378.6	1368.1	1343.2	1326.1	1320.9
35°	1320.9	1305.1	1280.1	1263.1	1255.2
37.5°	1257.8	1244.7	1217.1	1198.7	1189.6
40°	1194.8	1181.7	1151.5	1131.8	1123.9
42.5°	1129.2	1112.1	1085.8	1064.8	1058.3
45°	1060.9	1047.8	1017.6	997.9	991.3
47.5°	996.5	976.9	949.3	929.6	920.4
50°	929.6	911.2	882.3	861.3	854.7
52.5°	860.0	844.2	815.4	794.3	786.5
55°	791.7	774.7	745.8	727.4	719.5
57.5°	723.4	707.7	681.4	660.4	655.2
60°	653.9	639.4	613.2	596.1	589.5
62.5°	589.5	572.5	548.8	531.8	525.2
65°	521.3	506.8	487.1	468.7	464.8
67.5°	458.2	447.7	422.8	409.6	411.0
70°	390.0	390.0	367.6	354.5	371.6
72.5°	329.6	330.9	311.2	303.3	296.7
75°	271.8	266.5	256.0	245.5	242.9
77.5°	214.0	216.6	207.4	187.8	185.1
80°	158.9	173.3	152.3	139.2	136.5
82.5°	109.0	123.4	105.0	98.5	97.2
85°	67.0	69.6	63.0	63.0	63.0
87.5°	28.9	32.8	31.5	31.5	32.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)