

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-20-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-WD-20-L950.ies
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1652.6 lumens
Efficiency: N/A
Efficacy: 72.8 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

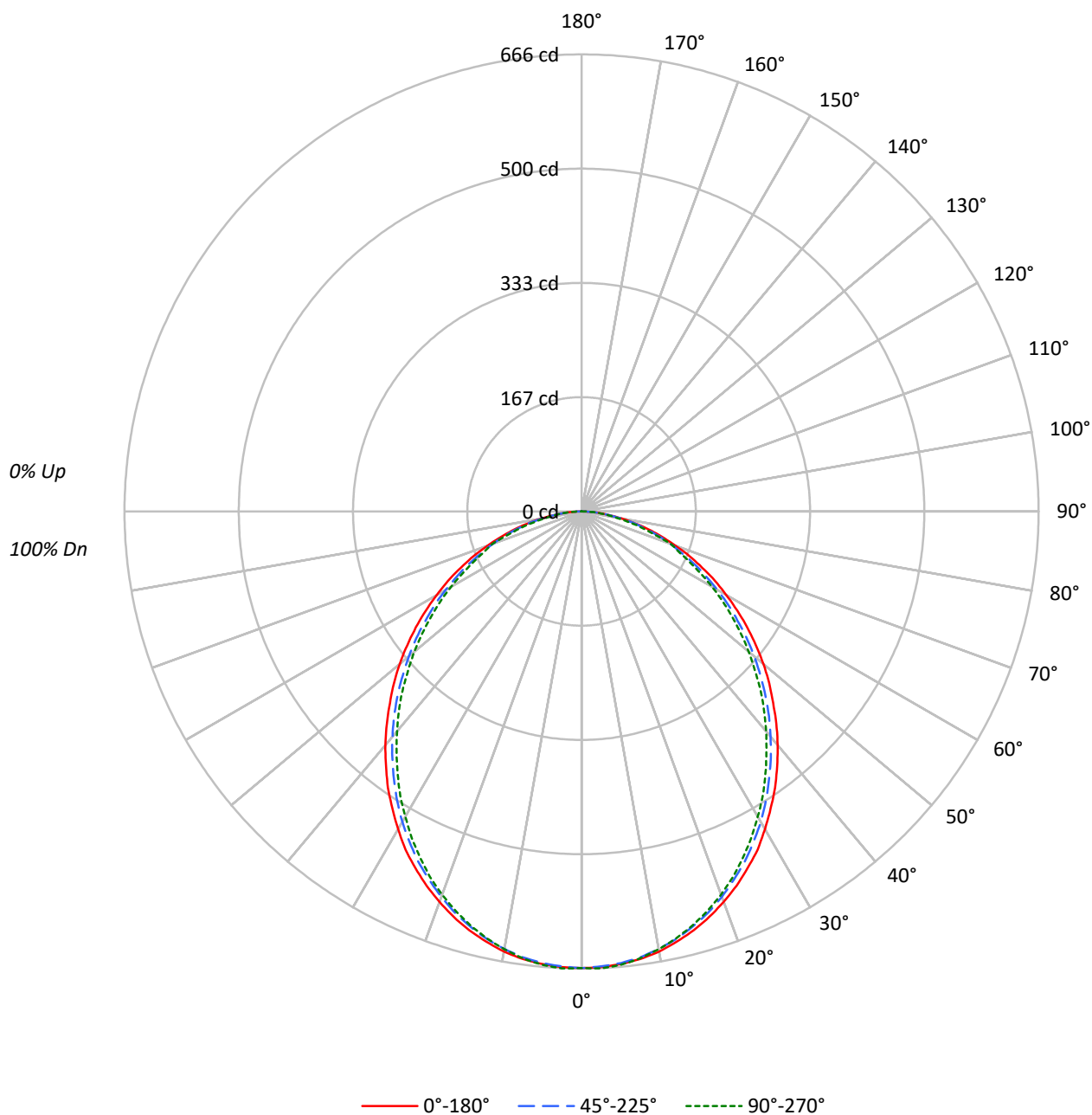
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1791	1791	1791
5°	1789	1784	1791
10°	1780	1769	1770
15°	1760	1745	1740
20°	1734	1711	1702
25°	1702	1671	1653
30°	1661	1623	1596
35°	1615	1565	1534
40°	1562	1505	1469
45°	1502	1441	1404
50°	1449	1375	1332
55°	1382	1302	1256
60°	1309	1228	1181
65°	1235	1154	1102
70°	1142	1076	1088
75°	1051	991	940
80°	916	879	787
85°	769	726	726

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.8
10°-20°	176.8	10.7
20°-30°	259.5	15.7
30°-40°	298.9	18.1
40°-50°	293.4	17.8
50°-60°	250.1	15.1
60°-70°	180.9	10.9
70°-80°	101.7	6.2
80°-90°	28.4	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°	499.1	30.2
0°-40°	798.0	48.3
0°-60°	1341.5	81.2
0°-90°	1652.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	662	663	661	663	663	63
15°	632	631	626	626	624	178
25°	573	569	563	558	557	264
35°	492	486	476	470	467	307
45°	395	390	379	371	369	305
55°	295	288	278	271	268	263
65°	194	189	181	174	173	192
75°	101	99	95	91	90	107
85°	25	26	24	24	24	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.5	665.5	665.5	665.5	665.5
2.5°	664.5	665.0	663.6	666.0	666.5
5°	662.1	662.6	660.6	662.6	663.1
7.5°	657.7	657.7	655.3	656.7	656.7
10°	651.4	650.4	647.4	647.9	647.9
12.5°	642.1	642.1	638.2	638.2	637.2
15°	631.8	630.8	626.4	625.5	624.5
17.5°	619.6	618.1	613.2	611.3	610.3
20°	605.4	603.0	597.6	595.2	594.2
22.5°	590.3	586.9	580.5	577.6	576.6
25°	573.2	568.8	562.9	558.5	556.6
27.5°	555.6	551.2	542.9	538.0	536.0
30°	534.6	530.2	522.4	516.5	513.6
32.5°	513.1	509.2	499.9	493.5	491.6
35°	491.6	485.7	476.4	470.1	467.1
37.5°	468.1	463.2	453.0	446.1	442.7
40°	444.7	439.8	428.5	421.2	418.3
42.5°	420.2	413.9	404.1	396.3	393.8
45°	394.8	389.9	378.7	371.4	368.9
47.5°	370.9	363.5	353.3	346.0	342.5
50°	346.0	339.1	328.4	320.5	318.1
52.5°	320.1	314.2	303.4	295.6	292.7
55°	294.6	288.3	277.5	270.7	267.8
57.5°	269.2	263.4	253.6	245.8	243.8
60°	243.3	238.0	228.2	221.8	219.4
62.5°	219.4	213.0	204.3	197.9	195.5
65°	194.0	188.6	181.3	174.4	173.0
67.5°	170.5	166.6	157.3	152.5	152.9
70°	145.1	145.1	136.8	131.9	138.3
72.5°	122.6	123.1	115.8	112.9	110.4
75°	101.1	99.2	95.3	91.4	90.4
77.5°	79.6	80.6	77.2	69.9	68.9
80°	59.1	64.5	56.7	51.8	50.8
82.5°	40.6	45.9	39.1	36.6	36.2
85°	24.9	25.9	23.5	23.5	23.5
87.5°	10.8	12.2	11.7	11.7	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)