

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-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-20-L935.ies
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1609.2 lumens
Efficiency: N/A
Efficacy: 70.9 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

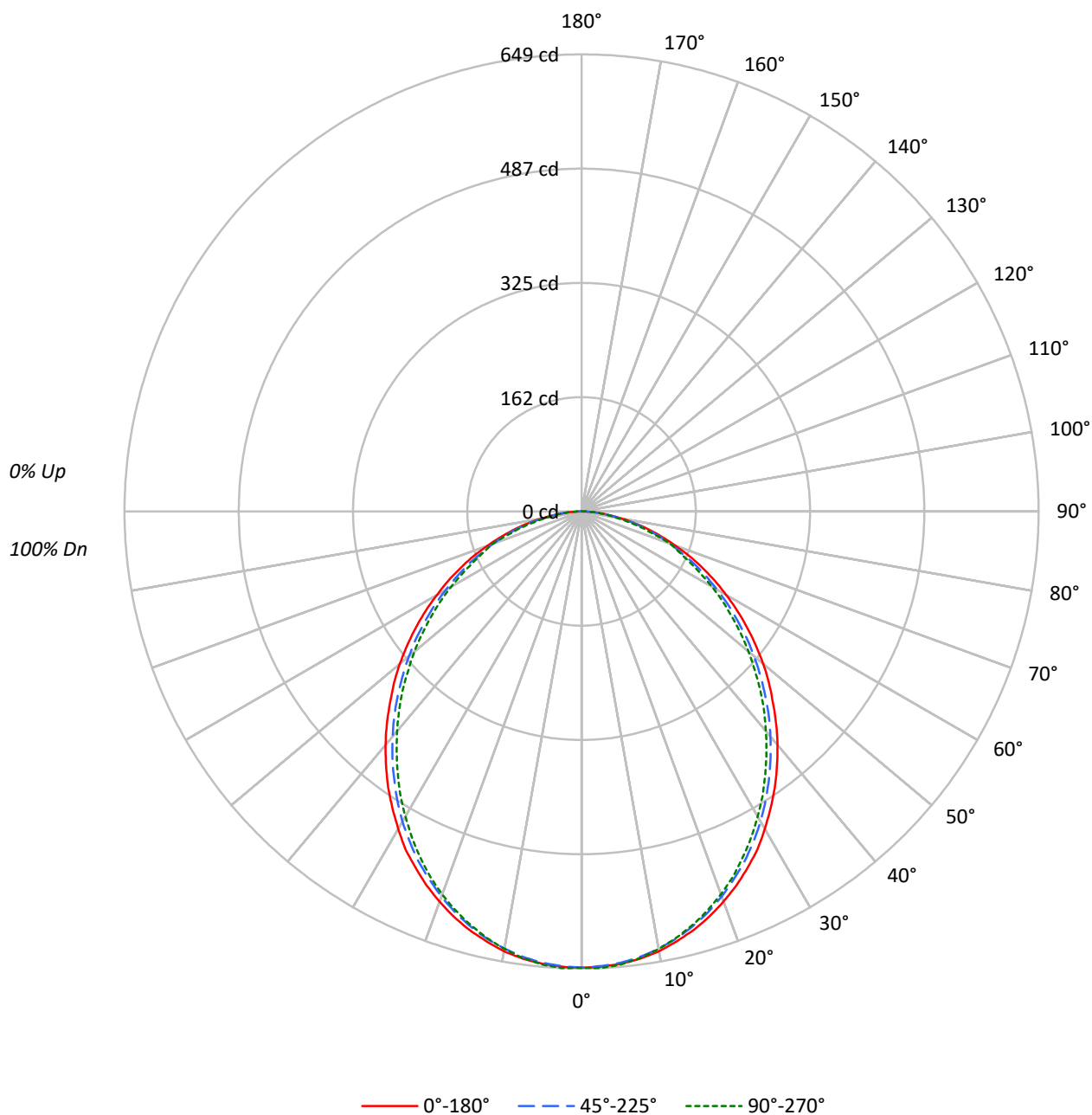
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1744	1744	1744
5°	1742	1738	1744
10°	1733	1723	1724
15°	1714	1699	1694
20°	1688	1666	1657
25°	1657	1627	1609
30°	1617	1580	1554
35°	1572	1524	1494
40°	1521	1466	1431
45°	1463	1403	1367
50°	1410	1338	1297
55°	1346	1268	1223
60°	1275	1196	1150
65°	1203	1124	1072
70°	1112	1048	1059
75°	1024	965	915
80°	893	855	767
85°	750	704	704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	3.8
10°-20°	172.2	10.7
20°-30°	252.7	15.7
30°-40°	291.0	18.1
40°-50°	285.7	17.8
50°-60°	243.6	15.1
60°-70°	176.2	10.9
70°-80°	99.1	6.2
80°-90°	27.7	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°	486.0	30.2
0°-40°	777.0	48.3
0°-60°	1306.2	81.2
0°-90°	1609.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1609.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	645	645	643	645	646	61
15°	615	614	610	609	608	173
25°	558	554	548	544	542	257
35°	479	473	464	458	455	299
45°	384	380	369	362	359	297
55°	287	281	270	264	261	257
65°	189	184	176	170	168	187
75°	98	97	93	89	88	104
85°	24	25	23	23	23	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	648.0	648.0	648.0	648.0	648.0
2.5°	647.1	647.6	646.1	648.5	649.0
5°	644.7	645.2	643.3	645.2	645.6
7.5°	640.4	640.4	638.0	639.5	639.5
10°	634.2	633.3	630.4	630.9	630.9
12.5°	625.2	625.2	621.4	621.4	620.4
15°	615.2	614.2	610.0	609.0	608.1
17.5°	603.3	601.9	597.1	595.2	594.3
20°	589.5	587.1	581.9	579.5	578.6
22.5°	574.8	571.4	565.2	562.4	561.4
25°	558.1	553.8	548.1	543.8	541.9
27.5°	541.0	536.7	528.6	523.8	521.9
30°	520.5	516.2	508.6	502.9	500.1
32.5°	499.6	495.8	486.7	480.5	478.6
35°	478.6	472.9	463.9	457.7	454.9
37.5°	455.8	451.0	441.1	434.4	431.1
40°	433.0	428.2	417.3	410.1	407.3
42.5°	409.2	403.0	393.5	385.9	383.5
45°	384.4	379.7	368.7	361.6	359.2
47.5°	361.1	354.0	344.0	336.9	333.5
50°	336.9	330.2	319.7	312.1	309.7
52.5°	311.6	305.9	295.5	287.9	285.0
55°	286.9	280.7	270.2	263.6	260.7
57.5°	262.2	256.5	246.9	239.3	237.4
60°	236.9	231.7	222.2	216.0	213.6
62.5°	213.6	207.4	198.9	192.7	190.3
65°	188.9	183.7	176.5	169.9	168.4
67.5°	166.1	162.2	153.2	148.4	148.9
70°	141.3	141.3	133.2	128.5	134.6
72.5°	119.4	119.9	112.8	109.9	107.5
75°	98.5	96.6	92.8	89.0	88.0
77.5°	77.6	78.5	75.2	68.0	67.1
80°	57.6	62.8	55.2	50.4	49.5
82.5°	39.5	44.7	38.1	35.7	35.2
85°	24.3	25.2	22.8	22.8	22.8
87.5°	10.5	11.9	11.4	11.4	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)