

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-30-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-30-L950.ies
Description: 1x4 D3X-LP ROUND PERF AT 3000lm 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2280.3 lumens
Efficiency: N/A
Efficacy: 71.7 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

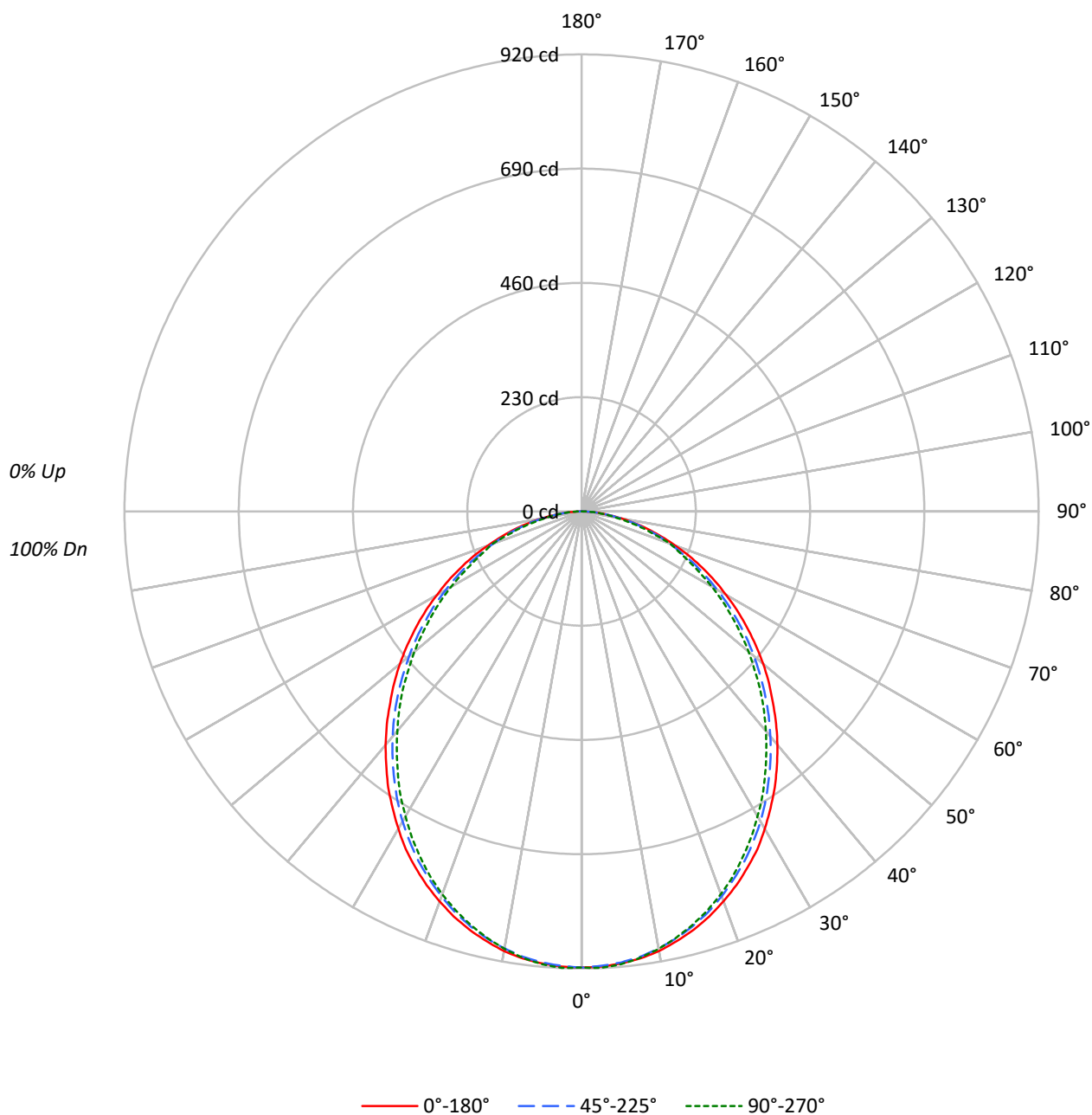
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2471	2471	2471
5°	2468	2462	2471
10°	2456	2441	2443
15°	2428	2408	2400
20°	2392	2361	2348
25°	2348	2306	2280
30°	2292	2239	2202
35°	2228	2159	2117
40°	2155	2077	2027
45°	2073	1988	1937
50°	1998	1897	1837
55°	1907	1796	1734
60°	1807	1695	1629
65°	1705	1592	1520
70°	1575	1485	1501
75°	1451	1367	1297
80°	1265	1212	1086
85°	1062	1000	1000

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	3.8
10°-20°	244.0	10.7
20°-30°	358.0	15.7
30°-40°	412.4	18.1
40°-50°	404.8	17.8
50°-60°	345.1	15.1
60°-70°	249.7	10.9
70°-80°	140.4	6.2
80°-90°	39.3	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°	688.7	30.2
0°-40°	1101.0	48.3
0°-60°	1850.9	81.2
0°-90°	2280.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2280.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	914	914	912	914	915	87
15°	872	870	864	863	862	246
25°	791	785	777	771	768	364
35°	678	670	657	649	644	424
45°	545	538	522	512	509	421
55°	406	398	383	374	370	364
65°	268	260	250	241	239	266
75°	140	137	132	126	125	148
85°	34	36	32	32	32	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	918.3	918.3	918.3	918.3	918.3
2.5°	916.9	917.6	915.6	918.9	919.6
5°	913.5	914.2	911.5	914.2	914.9
7.5°	907.5	907.5	904.1	906.1	906.1
10°	898.7	897.4	893.3	894.0	894.0
12.5°	885.9	885.9	880.5	880.5	879.2
15°	871.7	870.4	864.3	863.0	861.6
17.5°	854.9	852.9	846.1	843.4	842.1
20°	835.3	832.0	824.5	821.2	819.8
22.5°	814.4	809.7	800.9	796.9	795.6
25°	790.8	784.8	776.7	770.6	767.9
27.5°	766.6	760.5	749.0	742.3	739.6
30°	737.6	731.5	720.7	712.6	708.6
32.5°	707.9	702.5	689.7	680.9	678.2
35°	678.2	670.2	657.3	648.6	644.5
37.5°	645.9	639.1	625.0	615.5	610.8
40°	613.5	606.8	591.3	581.2	577.1
42.5°	579.8	571.0	557.6	546.8	543.4
45°	544.8	538.0	522.5	512.4	509.0
47.5°	511.7	501.6	487.4	477.3	472.6
50°	477.3	467.9	453.1	442.3	438.9
52.5°	441.6	433.5	418.7	407.9	403.8
55°	406.5	397.8	382.9	373.5	369.5
57.5°	371.5	363.4	349.9	339.1	336.4
60°	335.8	328.3	314.9	306.1	302.7
62.5°	302.7	294.0	281.8	273.1	269.7
65°	267.7	260.2	250.1	240.7	238.7
67.5°	235.3	229.9	217.1	210.3	211.0
70°	200.2	200.2	188.8	182.0	190.8
72.5°	169.2	169.9	159.8	155.7	152.4
75°	139.6	136.9	131.5	126.1	124.7
77.5°	109.9	111.2	106.5	96.4	95.1
80°	81.6	89.0	78.2	71.5	70.1
82.5°	56.0	63.4	53.9	50.6	49.9
85°	34.4	35.7	32.4	32.4	32.4
87.5°	14.8	16.9	16.2	16.2	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)