

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-L930.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-L930.ies
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1588.5 lumens
Efficiency: N/A
Efficacy: 70.0 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

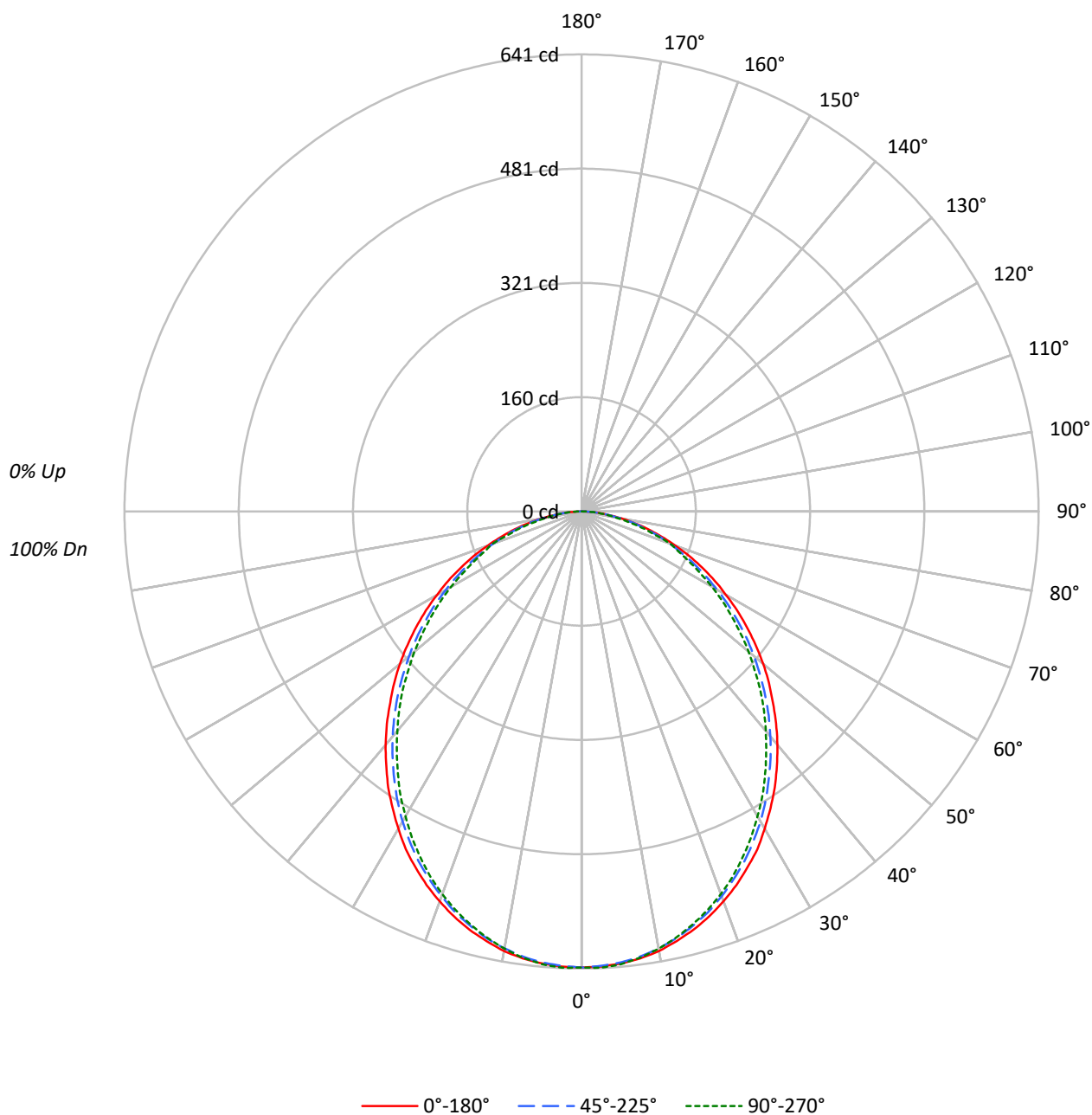
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1721	1721	1721
5°	1719	1715	1722
10°	1711	1700	1702
15°	1692	1677	1672
20°	1666	1645	1635
25°	1636	1607	1589
30°	1597	1560	1534
35°	1552	1504	1475
40°	1501	1447	1412
45°	1444	1385	1349
50°	1392	1321	1280
55°	1329	1252	1208
60°	1259	1180	1135
65°	1188	1109	1059
70°	1098	1035	1046
75°	1011	952	904
80°	880	845	756
85°	741	695	695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.8
10°-20°	170.0	10.7
20°-30°	249.4	15.7
30°-40°	287.3	18.1
40°-50°	282.0	17.8
50°-60°	240.4	15.1
60°-70°	173.9	10.9
70°-80°	97.8	6.2
80°-90°	27.3	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°	479.7	30.2
0°-40°	767.0	48.3
0°-60°	1289.4	81.2
0°-90°	1588.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	636	637	635	637	637	60
15°	607	606	602	601	600	171
25°	551	547	541	537	535	254
35°	472	467	458	452	449	295
45°	380	375	364	357	355	293
55°	283	277	267	260	257	253
65°	186	181	174	168	166	185
75°	97	95	92	88	87	103
85°	24	25	22	22	22	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	639.7	639.7	639.7	639.7	639.7
2.5°	638.8	639.2	637.8	640.2	640.6
5°	636.4	636.9	635.0	636.9	637.3
7.5°	632.2	632.2	629.8	631.2	631.2
10°	626.1	625.1	622.3	622.8	622.8
12.5°	617.1	617.1	613.4	613.4	612.4
15°	607.3	606.3	602.1	601.2	600.2
17.5°	595.5	594.1	589.4	587.6	586.6
20°	581.9	579.6	574.4	572.1	571.1
22.5°	567.4	564.1	558.0	555.1	554.2
25°	550.9	546.7	541.1	536.8	535.0
27.5°	534.0	529.8	521.8	517.1	515.2
30°	513.8	509.6	502.1	496.4	493.6
32.5°	493.2	489.4	480.5	474.4	472.5
35°	472.5	466.9	457.9	451.8	449.0
37.5°	449.9	445.2	435.4	428.8	425.5
40°	427.4	422.7	411.9	404.9	402.0
42.5°	403.9	397.8	388.4	380.9	378.6
45°	379.5	374.8	364.0	356.9	354.6
47.5°	356.5	349.4	339.6	332.5	329.2
50°	332.5	326.0	315.6	308.1	305.8
52.5°	307.6	302.0	291.7	284.2	281.3
55°	283.2	277.1	266.8	260.2	257.4
57.5°	258.8	253.2	243.8	236.2	234.4
60°	233.9	228.7	219.3	213.2	210.9
62.5°	210.9	204.8	196.3	190.2	187.9
65°	186.5	181.3	174.2	167.7	166.3
67.5°	163.9	160.2	151.2	146.5	147.0
70°	139.5	139.5	131.5	126.8	132.9
72.5°	117.9	118.4	111.3	108.5	106.1
75°	97.2	95.3	91.6	87.8	86.9
77.5°	76.6	77.5	74.2	67.2	66.2
80°	56.8	62.0	54.5	49.8	48.8
82.5°	39.0	44.1	37.6	35.2	34.8
85°	24.0	24.9	22.5	22.5	22.5
87.5°	10.3	11.7	11.3	11.3	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)