

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-L840.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-L840.ies
Description: 1x4 D3X-LP ROUND PERF AT 3000lm 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2666.7 lumens
Efficiency: N/A
Efficacy: 83.9 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

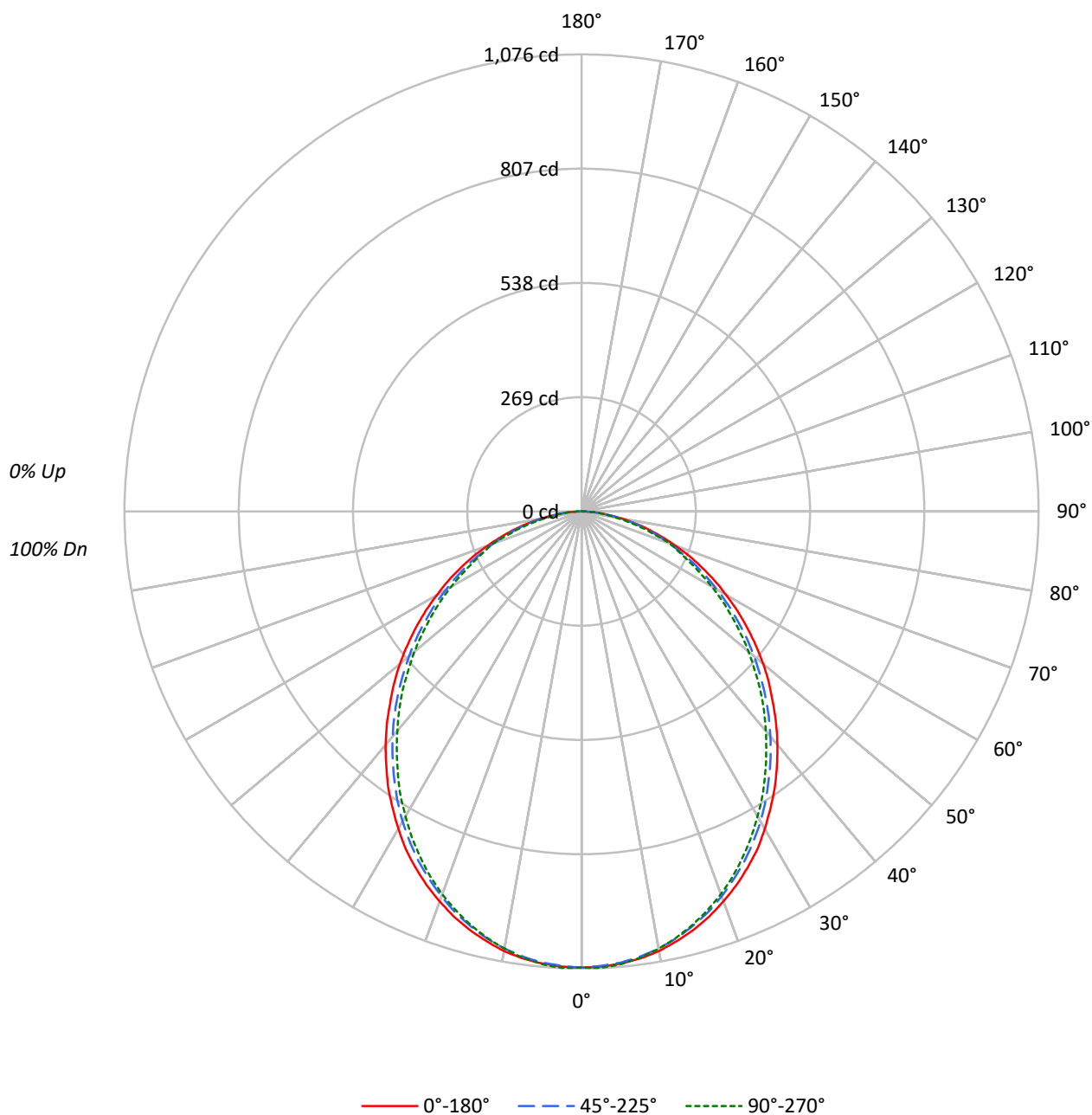
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2890	2890	2890
5°	2886	2880	2890
10°	2872	2855	2857
15°	2840	2816	2807
20°	2798	2761	2746
25°	2746	2697	2667
30°	2680	2619	2575
35°	2606	2525	2476
40°	2520	2429	2371
45°	2425	2326	2265
50°	2337	2218	2149
55°	2230	2101	2027
60°	2113	1982	1905
65°	1993	1862	1777
70°	1843	1737	1755
75°	1697	1598	1517
80°	1478	1418	1271
85°	1241	1167	1167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2425 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	3.8
10°-20°	285.3	10.7
20°-30°	418.7	15.7
30°-40°	482.3	18.1
40°-50°	473.4	17.8
50°-60°	403.6	15.1
60°-70°	292.0	10.9
70°-80°	164.2	6.2
80°-90°	45.9	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°	805.4	30.2
0°-40°	1287.6	48.3
0°-60°	2164.6	81.2
0°-90°	2666.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2666.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1068	1069	1066	1069	1070	101
15°	1020	1018	1011	1009	1008	287
25°	925	918	908	901	898	426
35°	793	784	769	758	754	496
45°	637	629	611	599	595	492
55°	475	465	448	437	432	425
65°	313	304	292	282	279	311
75°	163	160	154	147	146	173
85°	40	42	38	38	38	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1073.9	1073.9	1073.9	1073.9	1073.9
2.5°	1072.3	1073.1	1070.7	1074.7	1075.5
5°	1068.4	1069.2	1066.0	1069.2	1069.9
7.5°	1061.3	1061.3	1057.3	1059.7	1059.7
10°	1051.0	1049.4	1044.7	1045.5	1045.5
12.5°	1036.0	1036.0	1029.7	1029.7	1028.2
15°	1019.5	1017.9	1010.8	1009.2	1007.7
17.5°	999.8	997.4	989.5	986.4	984.8
20°	976.9	973.0	964.3	960.3	958.8
22.5°	952.5	946.9	936.7	932.0	930.4
25°	924.9	917.8	908.3	901.2	898.1
27.5°	896.5	889.4	876.0	868.1	864.9
30°	862.6	855.5	842.9	833.4	828.7
32.5°	827.9	821.6	806.6	796.3	793.2
35°	793.2	783.7	768.7	758.5	753.8
37.5°	755.3	747.5	730.9	719.9	714.3
40°	717.5	709.6	691.5	679.7	674.9
42.5°	678.1	667.8	652.1	639.4	635.5
45°	637.1	629.2	611.1	599.2	595.3
47.5°	598.4	586.6	570.1	558.2	552.7
50°	558.2	547.2	529.8	517.2	513.3
52.5°	516.4	507.0	489.6	477.0	472.3
55°	475.4	465.2	447.8	436.8	432.1
57.5°	434.4	425.0	409.2	396.6	393.4
60°	392.7	384.0	368.2	358.0	354.0
62.5°	354.0	343.8	329.6	319.3	315.4
65°	313.0	304.3	292.5	281.5	279.1
67.5°	275.2	268.9	253.9	246.0	246.8
70°	234.2	234.2	220.8	212.9	223.1
72.5°	197.9	198.7	186.9	182.1	178.2
75°	163.2	160.1	153.7	147.4	145.9
77.5°	128.5	130.1	124.6	112.7	111.2
80°	95.4	104.1	91.5	83.6	82.0
82.5°	65.4	74.1	63.1	59.1	58.3
85°	40.2	41.8	37.8	37.8	37.8
87.5°	17.3	19.7	18.9	18.9	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)