

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-35-L935.ies

Issue Date: 2/27/2025

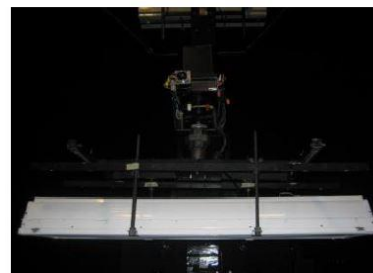
Test Information

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-35-L935.ies
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2554.2 lumens
Efficiency: N/A
Efficacy: 67.6 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

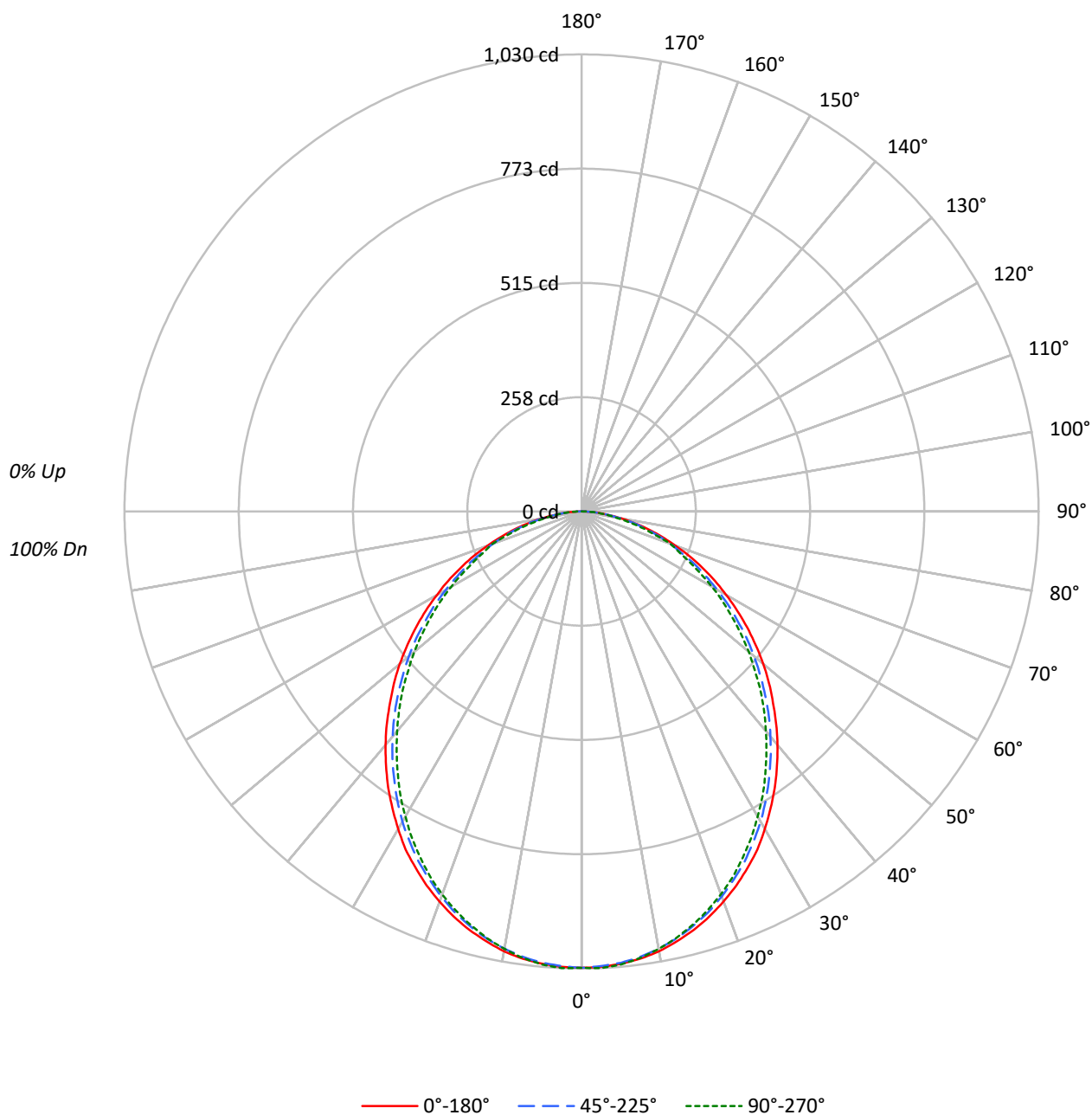
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	2768	2768	2768
5°	2764	2758	2768
10°	2751	2734	2736
15°	2720	2697	2689
20°	2680	2645	2630
25°	2630	2583	2554
30°	2567	2509	2466
35°	2496	2419	2372
40°	2414	2327	2271
45°	2322	2227	2170
50°	2238	2125	2058
55°	2137	2013	1941
60°	2024	1898	1825
65°	1909	1784	1702
70°	1765	1664	1681
75°	1625	1531	1452
80°	1416	1358	1216
85°	1189	1118	1118

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2322 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	3.8
10°-20°	273.3	10.7
20°-30°	401.1	15.7
30°-40°	461.9	18.1
40°-50°	453.4	17.8
50°-60°	386.6	15.1
60°-70°	279.7	10.9
70°-80°	157.3	6.2
80°-90°	43.9	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°	771.4	30.2
0°-40°	1233.3	48.3
0°-60°	2073.3	81.2
0°-90°	2554.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2554.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1023	1024	1021	1024	1025	97
15°	976	975	968	967	965	275
25°	886	879	870	863	860	408
35°	760	751	736	726	722	475
45°	610	603	585	574	570	472
55°	455	446	429	418	414	407
65°	300	292	280	270	267	297
75°	156	153	147	141	140	165
85°	38	40	36	36	36	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1028.6	1028.6	1028.6	1028.6	1028.6
2.5°	1027.1	1027.8	1025.6	1029.3	1030.1
5°	1023.3	1024.0	1021.0	1024.0	1024.8
7.5°	1016.5	1016.5	1012.7	1015.0	1015.0
10°	1006.7	1005.2	1000.6	1001.4	1001.4
12.5°	992.3	992.3	986.3	986.3	984.8
15°	976.5	975.0	968.2	966.7	965.1
17.5°	957.6	955.3	947.8	944.8	943.2
20°	935.7	931.9	923.6	919.8	918.3
22.5°	912.3	907.0	897.2	892.6	891.1
25°	885.8	879.0	870.0	863.2	860.2
27.5°	858.7	851.9	839.0	831.5	828.5
30°	826.2	819.4	807.3	798.2	793.7
32.5°	793.0	786.9	772.6	762.7	759.7
35°	759.7	750.7	736.3	726.5	722.0
37.5°	723.5	715.9	700.1	689.5	684.2
40°	687.2	679.7	662.3	651.0	646.4
42.5°	649.5	639.7	624.5	612.5	608.7
45°	610.2	602.6	585.3	573.9	570.2
47.5°	573.2	561.9	546.0	534.7	529.4
50°	534.7	524.1	507.5	495.4	491.6
52.5°	494.7	485.6	469.0	456.9	452.4
55°	455.4	445.6	429.0	418.4	413.8
57.5°	416.1	407.1	391.9	379.9	376.8
60°	376.1	367.8	352.7	342.9	339.1
62.5°	339.1	329.3	315.7	305.9	302.1
65°	299.8	291.5	280.2	269.6	267.3
67.5°	263.6	257.5	243.2	235.6	236.4
70°	224.3	224.3	211.5	203.9	213.7
72.5°	189.6	190.3	179.0	174.5	170.7
75°	156.3	153.3	147.3	141.2	139.7
77.5°	123.1	124.6	119.3	108.0	106.5
80°	91.4	99.7	87.6	80.1	78.5
82.5°	62.7	71.0	60.4	56.6	55.9
85°	38.5	40.0	36.2	36.2	36.2
87.5°	16.6	18.9	18.1	18.1	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)