

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-25-L935.ies

Issue Date: 2/27/2025

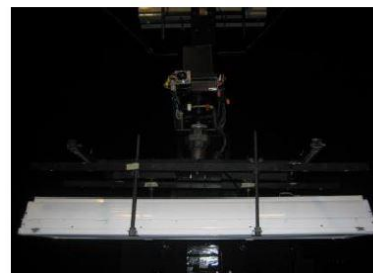
Test Information

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-25-L935.ies
Description: 1x4 D3X-LP ROUND PERF AT 2500lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1906.2 lumens
Efficiency: N/A
Efficacy: 70.6 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

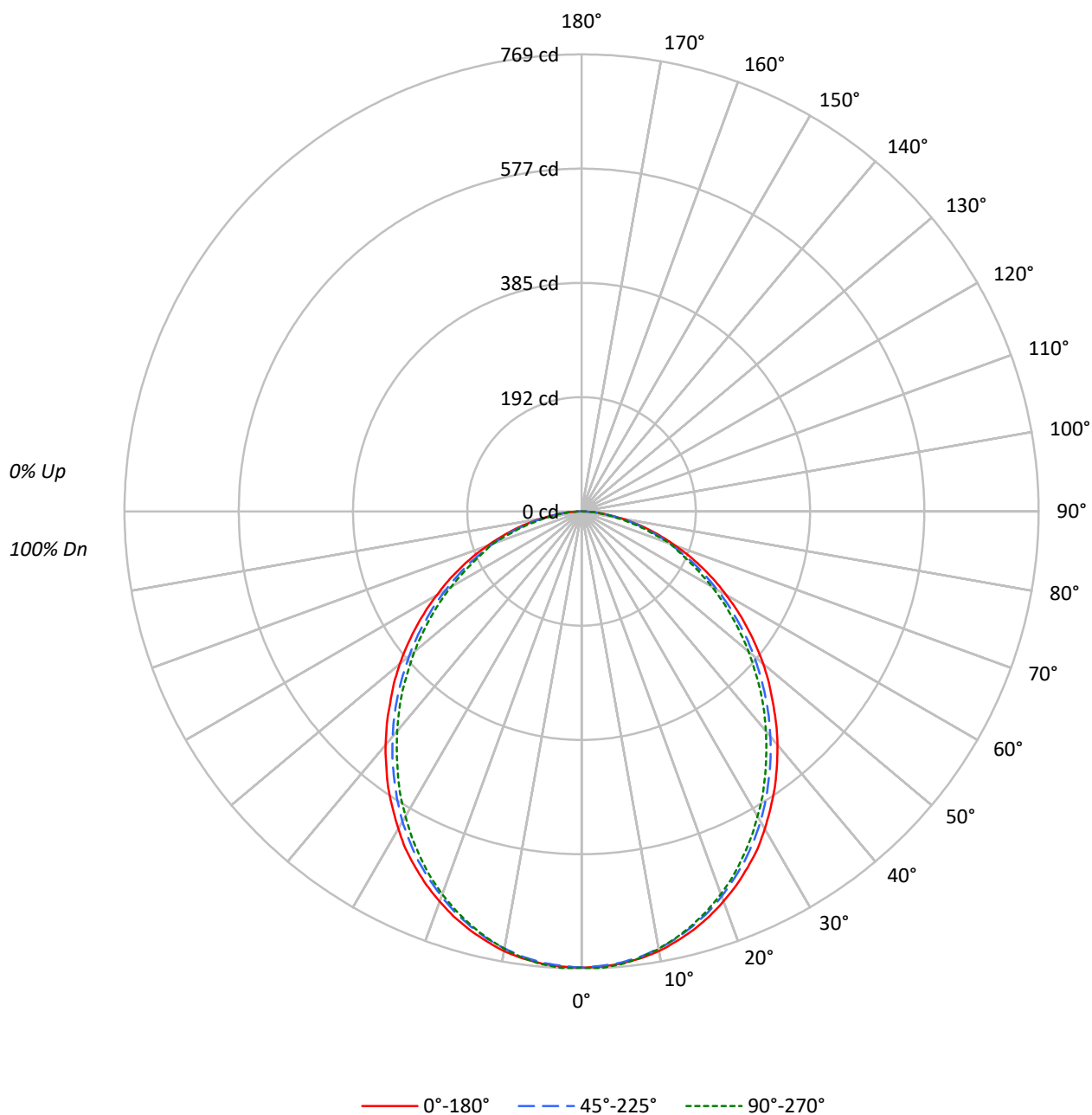
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2066	2066	2066
5°	2063	2058	2066
10°	2053	2041	2042
15°	2030	2013	2007
20°	2000	1974	1962
25°	1963	1928	1906
30°	1916	1872	1840
35°	1863	1805	1770
40°	1802	1736	1695
45°	1733	1662	1619
50°	1670	1585	1536
55°	1595	1502	1449
60°	1511	1417	1362
65°	1425	1331	1270
70°	1317	1242	1255
75°	1213	1143	1084
80°	1057	1013	908
85°	886	837	837

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1733 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	3.8
10°-20°	204.0	10.7
20°-30°	299.3	15.7
30°-40°	344.7	18.1
40°-50°	338.4	17.8
50°-60°	288.5	15.1
60°-70°	208.7	10.9
70°-80°	117.4	6.2
80°-90°	32.8	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°	575.7	30.2
0°-40°	920.4	48.3
0°-60°	1547.3	81.2
0°-90°	1906.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1906.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	764	764	762	764	765	73
15°	729	728	722	721	720	205
25°	661	656	649	644	642	304
35°	567	560	550	542	539	354
45°	455	450	437	428	426	352
55°	340	332	320	312	309	304
65°	224	218	209	201	200	222
75°	117	114	110	105	104	123
85°	29	30	27	27	27	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	767.6	767.6	767.6	767.6	767.6
2.5°	766.5	767.1	765.4	768.2	768.8
5°	763.7	764.2	762.0	764.2	764.8
7.5°	758.6	758.6	755.8	757.5	757.5
10°	751.3	750.2	746.8	747.3	747.3
12.5°	740.6	740.6	736.1	736.1	734.9
15°	728.7	727.6	722.5	721.4	720.3
17.5°	714.6	713.0	707.3	705.1	703.9
20°	698.3	695.5	689.3	686.5	685.3
22.5°	680.8	676.9	669.6	666.2	665.1
25°	661.1	656.0	649.3	644.2	641.9
27.5°	640.8	635.7	626.2	620.5	618.3
30°	616.6	611.5	602.5	595.7	592.3
32.5°	591.8	587.3	576.6	569.2	567.0
35°	567.0	560.2	549.5	542.2	538.8
37.5°	539.9	534.3	522.5	514.6	510.6
40°	512.9	507.2	494.3	485.8	482.4
42.5°	484.7	477.4	466.1	457.1	454.3
45°	455.4	449.8	436.8	428.3	425.5
47.5°	427.8	419.3	407.5	399.0	395.1
50°	399.0	391.1	378.7	369.7	366.9
52.5°	369.2	362.4	350.0	341.0	337.6
55°	339.9	332.5	320.1	312.2	308.9
57.5°	310.5	303.8	292.5	283.5	281.2
60°	280.7	274.5	263.2	255.9	253.1
62.5°	253.1	245.7	235.6	228.3	225.4
65°	223.8	217.6	209.1	201.2	199.5
67.5°	196.7	192.2	181.5	175.8	176.4
70°	167.4	167.4	157.8	152.2	159.5
72.5°	141.5	142.0	133.6	130.2	127.4
75°	116.7	114.4	109.9	105.4	104.3
77.5°	91.9	93.0	89.0	80.6	79.5
80°	68.2	74.4	65.4	59.7	58.6
82.5°	46.8	53.0	45.1	42.3	41.7
85°	28.7	29.9	27.1	27.1	27.1
87.5°	12.4	14.1	13.5	13.5	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)