

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-L930.ies

Issue Date: 2/27/2025

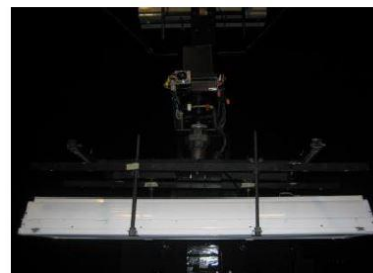
Test Information

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-30-L930.ies
Description: 1x4 D3X-LP ROUND PERF AT 3000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2191.5 lumens
Efficiency: N/A
Efficacy: 68.9 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

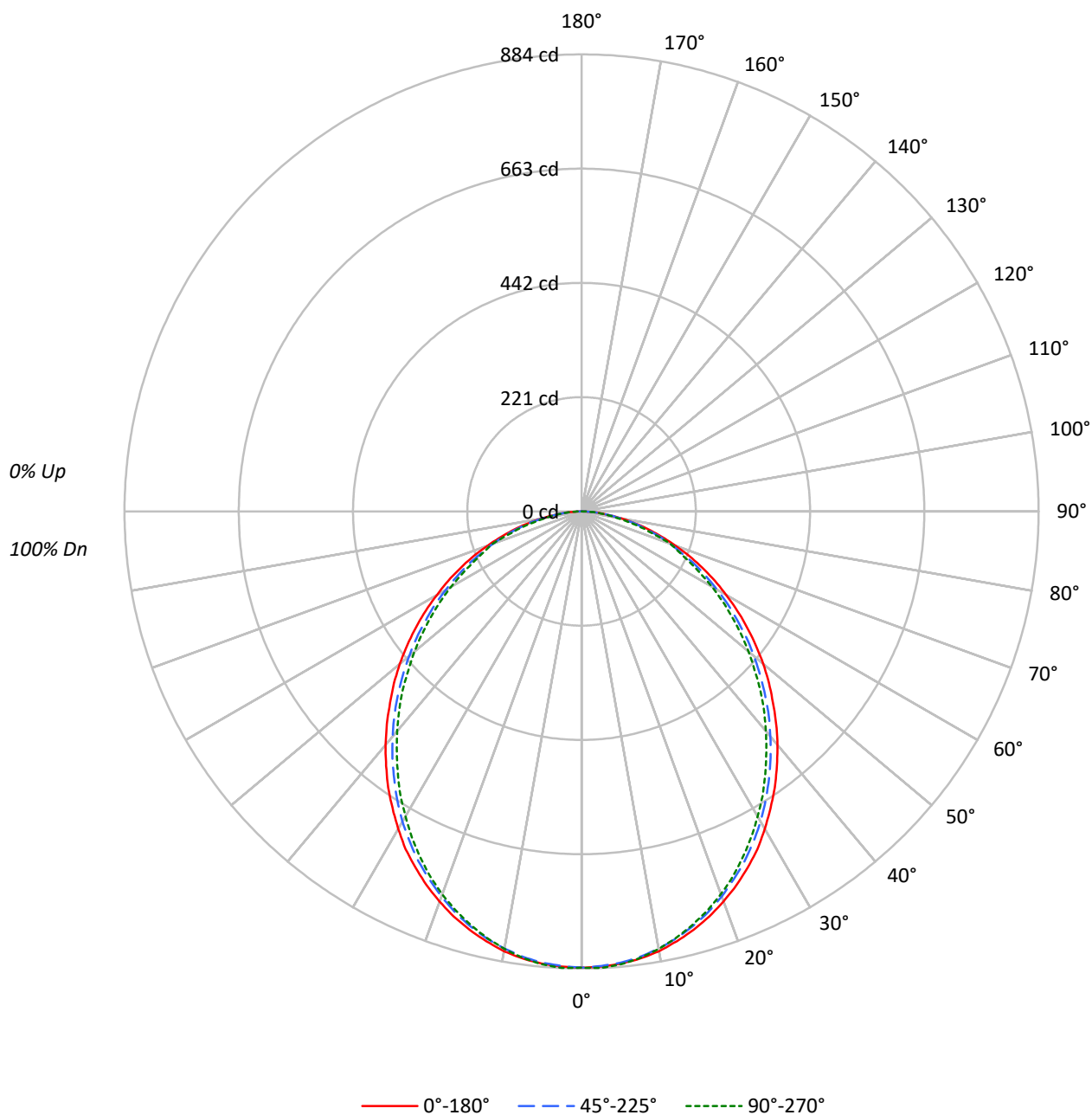
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-30-L930.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-30-L930.ies

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°	2375	2375	2375
5°	2372	2366	2375
10°	2360	2346	2348
15°	2334	2314	2307
20°	2299	2269	2256
25°	2257	2216	2191
30°	2203	2152	2116
35°	2141	2076	2035
40°	2071	1996	1949
45°	1993	1911	1862
50°	1921	1823	1766
55°	1833	1727	1666
60°	1737	1629	1566
65°	1638	1531	1461
70°	1514	1427	1443
75°	1394	1314	1247
80°	1215	1165	1044
85°	1019	960	960

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1993 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-30-L930.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	3.8
10°-20°	234.5	10.7
20°-30°	344.1	15.7
30°-40°	396.3	18.1
40°-50°	389.0	17.8
50°-60°	331.7	15.1
60°-70°	239.9	10.9
70°-80°	134.9	6.2
80°-90°	37.7	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°	661.8	30.2
0°-40°	1058.2	48.3
0°-60°	1778.9	81.2
0°-90°	2191.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2191.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	878	879	876	879	879	83
15°	838	836	831	829	828	236
25°	760	754	746	741	738	350
35°	652	644	632	623	619	407
45°	524	517	502	492	489	405
55°	391	382	368	359	355	349
65°	257	250	240	231	229	255
75°	134	132	126	121	120	142
85°	33	34	31	31	31	38
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-30-L930.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.5	882.5	882.5	882.5	882.5
2.5°	881.2	881.9	879.9	883.2	883.8
5°	878.0	878.6	876.0	878.6	879.3
7.5°	872.2	872.2	868.9	870.9	870.9
10°	863.7	862.4	858.5	859.2	859.2
12.5°	851.4	851.4	846.2	846.2	844.9
15°	837.8	836.5	830.7	829.4	828.1
17.5°	821.6	819.7	813.2	810.6	809.3
20°	802.8	799.6	792.5	789.2	787.9
22.5°	782.7	778.2	769.8	765.9	764.6
25°	760.1	754.2	746.4	740.6	738.0
27.5°	736.7	730.9	719.9	713.4	710.8
30°	708.9	703.0	692.7	684.9	681.0
32.5°	680.4	675.2	662.9	654.4	651.8
35°	651.8	644.1	631.8	623.3	619.4
37.5°	620.7	614.3	600.7	591.6	587.0
40°	589.6	583.2	568.3	558.5	554.7
42.5°	557.2	548.8	535.9	525.5	522.3
45°	523.6	517.1	502.2	492.4	489.2
47.5°	491.8	482.1	468.5	458.8	454.2
50°	458.8	449.7	435.4	425.1	421.8
52.5°	424.4	416.6	402.4	392.0	388.1
55°	390.7	382.3	368.0	359.0	355.1
57.5°	357.0	349.2	336.3	325.9	323.3
60°	322.7	315.6	302.6	294.2	290.9
62.5°	290.9	282.5	270.8	262.4	259.2
65°	257.2	250.1	240.4	231.3	229.4
67.5°	226.1	221.0	208.6	202.2	202.8
70°	192.4	192.4	181.4	174.9	183.4
72.5°	162.6	163.3	153.6	149.7	146.4
75°	134.1	131.5	126.4	121.2	119.9
77.5°	105.6	106.9	102.4	92.7	91.4
80°	78.4	85.5	75.2	68.7	67.4
82.5°	53.8	60.9	51.8	48.6	47.9
85°	33.0	34.3	31.1	31.1	31.1
87.5°	14.3	16.2	15.6	15.6	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)