

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-20-L950.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-20-L950.ies
Description: 1x4 D3X-LP AT 2000lm 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1836.3 lumens
Efficiency: N/A
Efficacy: 80.9 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

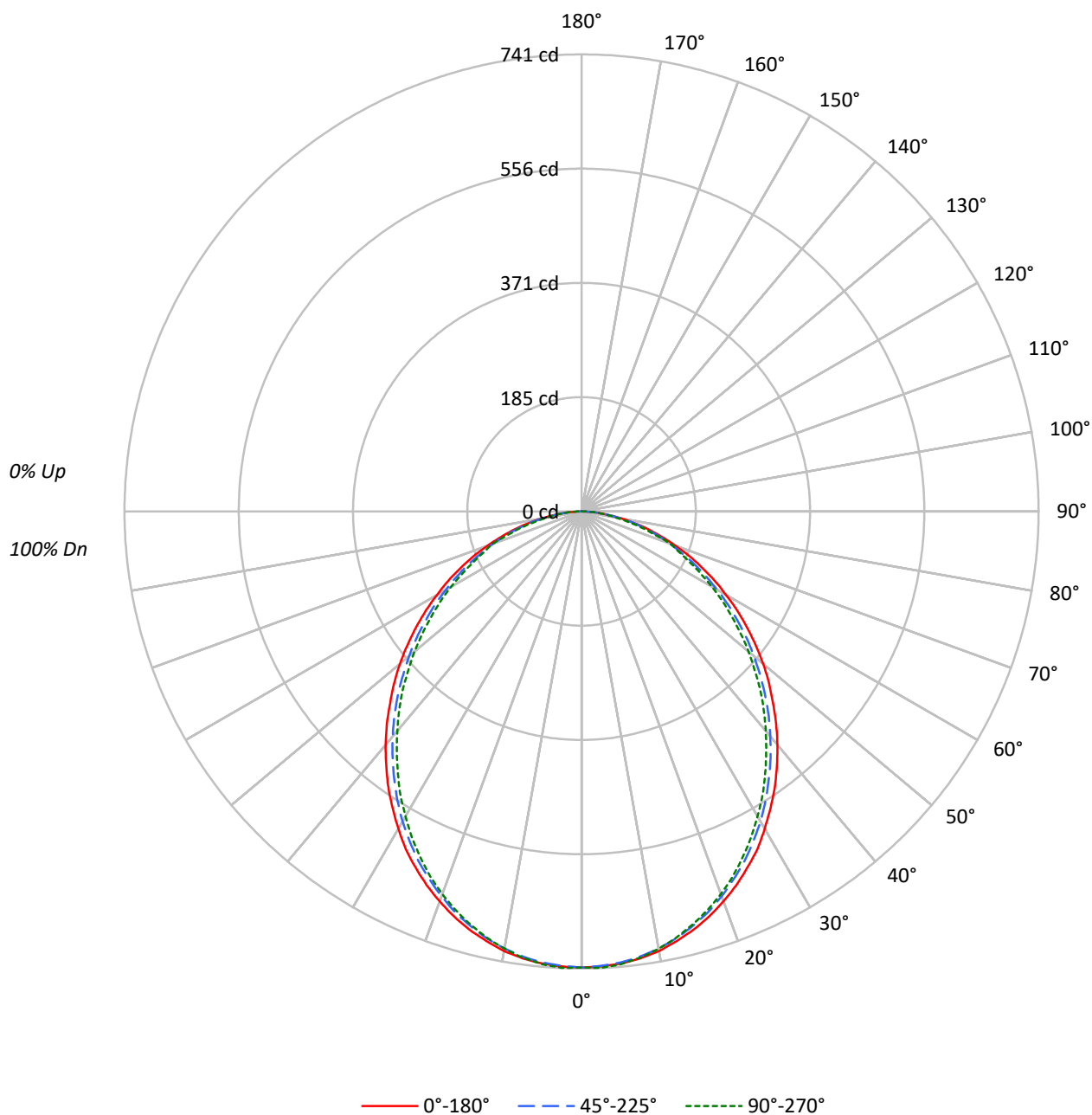
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-20-L950.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-20-L950.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	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°	1990	1990	1990
5°	1987	1983	1990
10°	1978	1966	1967
15°	1956	1939	1933
20°	1926	1901	1891
25°	1891	1857	1836
30°	1846	1803	1773
35°	1794	1739	1705
40°	1736	1672	1632
45°	1670	1601	1560
50°	1609	1527	1479
55°	1536	1447	1396
60°	1455	1364	1312
65°	1372	1282	1224
70°	1269	1196	1209
75°	1169	1101	1044
80°	1018	976	876
85°	855	806	806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1670 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-20-L950.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	3.8
10°-20°	196.5	10.7
20°-30°	288.3	15.7
30°-40°	332.1	18.1
40°-50°	326.0	17.8
50°-60°	277.9	15.1
60°-70°	201.0	10.9
70°-80°	113.1	6.2
80°-90°	31.6	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°	554.6	30.2
0°-40°	886.7	48.3
0°-60°	1490.6	81.2
0°-90°	1836.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1836.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	740	740	740	740	740	
5°	736	736	734	736	737	70
15°	702	701	696	695	694	198
25°	637	632	626	621	618	293
35°	546	540	529	522	519	341
45°	439	433	421	413	410	339
55°	327	320	308	301	298	293
65°	216	210	201	194	192	214
75°	112	110	106	102	100	119
85°	28	29	26	26	26	32
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-20-L950.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	739.5	739.5	739.5	739.5	739.5
2.5°	738.4	738.9	737.3	740.0	740.6
5°	735.7	736.2	734.0	736.2	736.8
7.5°	730.8	730.8	728.1	729.7	729.7
10°	723.7	722.6	719.4	719.9	719.9
12.5°	713.4	713.4	709.1	709.1	708.0
15°	702.0	700.9	696.0	694.9	693.9
17.5°	688.4	686.8	681.4	679.2	678.1
20°	672.7	670.0	664.0	661.3	660.2
22.5°	655.9	652.1	645.0	641.7	640.7
25°	636.9	632.0	625.5	620.6	618.4
27.5°	617.3	612.4	603.2	597.8	595.6
30°	594.0	589.1	580.4	573.9	570.6
32.5°	570.1	565.7	555.4	548.4	546.2
35°	546.2	539.7	529.4	522.3	519.0
37.5°	520.1	514.7	503.3	495.7	491.9
40°	494.1	488.6	476.1	468.0	464.7
42.5°	466.9	459.9	449.0	440.3	437.6
45°	438.7	433.3	420.8	412.6	409.9
47.5°	412.1	403.9	392.5	384.4	380.6
50°	384.4	376.8	364.8	356.2	353.4
52.5°	355.6	349.1	337.2	328.5	325.2
55°	327.4	320.3	308.4	300.8	297.5
57.5°	299.2	292.6	281.8	273.1	270.9
60°	270.4	264.4	253.5	246.5	243.8
62.5°	243.8	236.7	226.9	219.9	217.2
65°	215.5	209.6	201.4	193.8	192.2
67.5°	189.5	185.1	174.8	169.4	169.9
70°	161.3	161.3	152.0	146.6	153.6
72.5°	136.3	136.8	128.7	125.4	122.7
75°	112.4	110.2	105.9	101.5	100.4
77.5°	88.5	89.6	85.8	77.6	76.6
80°	65.7	71.7	63.0	57.6	56.5
82.5°	45.1	51.0	43.4	40.7	40.2
85°	27.7	28.8	26.1	26.1	26.1
87.5°	11.9	13.6	13.0	13.0	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)