

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-25-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-25-L930.ies
Description: 1x4 D3X-LP AT 2500lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2090.0 lumens
Efficiency: N/A
Efficacy: 77.4 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

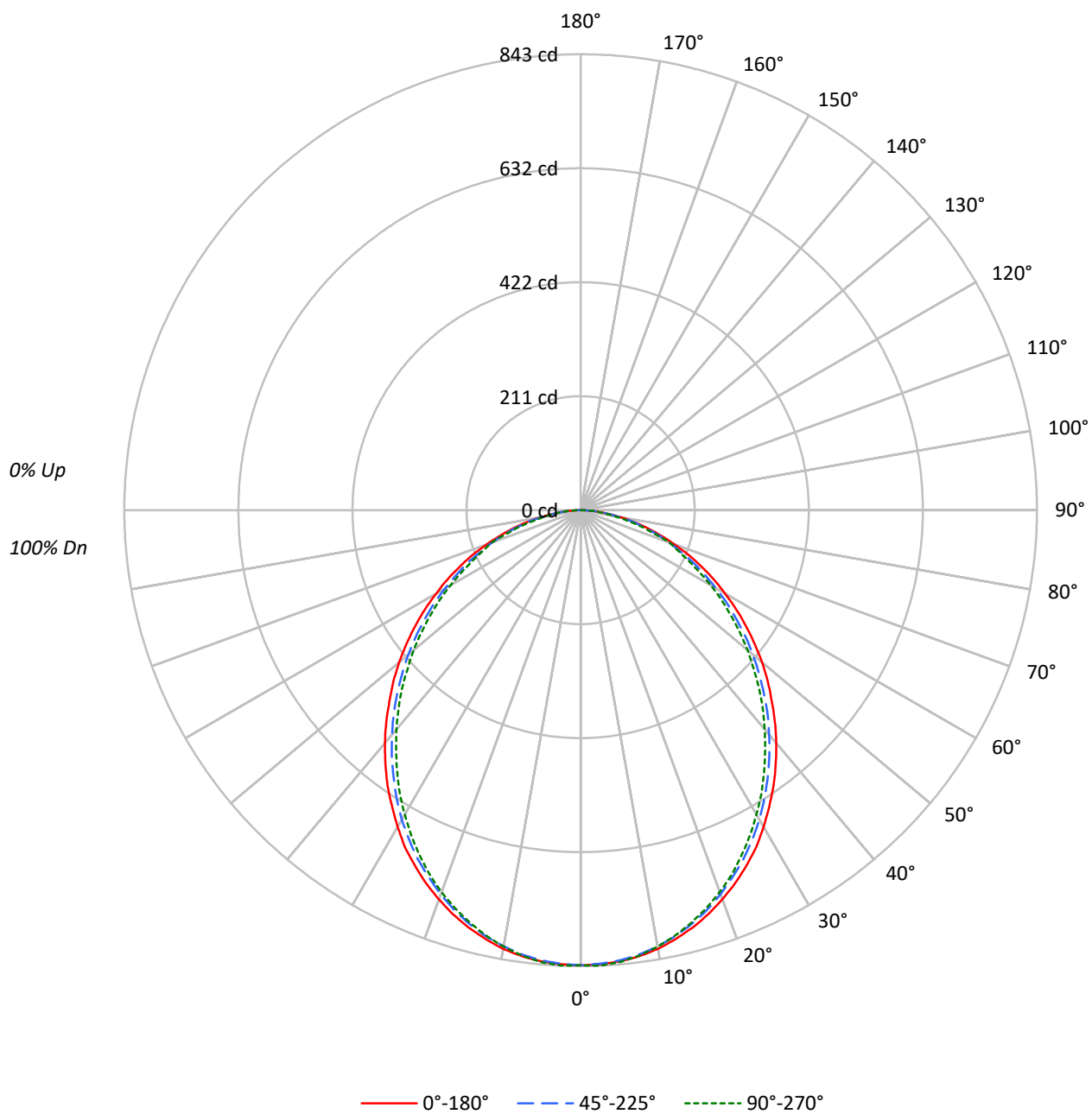
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-25-L930.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-25-L930.ies

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°	2265	2265	2265
5°	2262	2257	2265
10°	2251	2237	2239
15°	2226	2207	2200
20°	2192	2164	2152
25°	2152	2114	2090
30°	2101	2053	2018
35°	2042	1979	1941
40°	1975	1904	1858
45°	1900	1823	1776
50°	1832	1739	1684
55°	1748	1647	1589
60°	1656	1553	1493
65°	1562	1460	1393
70°	1444	1361	1376
75°	1330	1253	1188
80°	1159	1111	996
85°	973	917	917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1900 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-25-L930.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	3.8
10°-20°	223.6	10.7
20°-30°	328.2	15.7
30°-40°	378.0	18.1
40°-50°	371.0	17.8
50°-60°	316.3	15.1
60°-70°	228.8	10.9
70°-80°	128.7	6.2
80°-90°	36.0	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°	631.2	30.2
0°-40°	1009.2	48.3
0°-60°	1696.5	81.2
0°-90°	2090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	837	838	836	838	839	79
15°	799	798	792	791	790	225
25°	725	719	712	706	704	334
35°	622	614	602	594	591	388
45°	499	493	479	470	467	386
55°	373	365	351	342	339	333
65°	245	238	229	221	219	243
75°	128	125	120	116	114	135
85°	32	33	30	30	30	36
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-25-L930.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	841.6	841.6	841.6	841.6	841.6
2.5°	840.4	841.0	839.2	842.3	842.9
5°	837.3	837.9	835.5	837.9	838.6
7.5°	831.8	831.8	828.7	830.5	830.5
10°	823.7	822.5	818.8	819.4	819.4
12.5°	812.0	812.0	807.0	807.0	805.8
15°	799.0	797.8	792.2	791.0	789.7
17.5°	783.6	781.7	775.5	773.1	771.8
20°	765.6	762.5	755.7	752.7	751.4
22.5°	746.5	742.2	734.1	730.4	729.2
25°	724.9	719.3	711.9	706.3	703.8
27.5°	702.6	697.0	686.5	680.4	677.9
30°	676.0	670.5	660.6	653.2	649.5
32.5°	648.8	643.9	632.2	624.1	621.7
35°	621.7	614.2	602.5	594.5	590.8
37.5°	592.0	585.8	572.8	564.2	559.9
40°	562.3	556.2	541.9	532.7	529.0
42.5°	531.4	523.4	511.0	501.2	498.1
45°	499.3	493.1	478.9	469.6	466.6
47.5°	469.0	459.8	446.8	437.5	433.2
50°	437.5	428.9	415.3	405.4	402.3
52.5°	404.8	397.3	383.7	373.9	370.2
55°	372.6	364.6	351.0	342.3	338.6
57.5°	340.5	333.1	320.7	310.8	308.4
60°	307.7	300.9	288.6	280.5	277.5
62.5°	277.5	269.4	258.3	250.3	247.2
65°	245.3	238.5	229.3	220.6	218.8
67.5°	215.7	210.7	199.0	192.8	193.4
70°	183.5	183.5	173.0	166.8	174.9
72.5°	155.1	155.7	146.5	142.7	139.7
75°	127.9	125.4	120.5	115.6	114.3
77.5°	100.7	102.0	97.6	88.4	87.1
80°	74.8	81.6	71.7	65.5	64.3
82.5°	51.3	58.1	49.4	46.3	45.7
85°	31.5	32.8	29.7	29.7	29.7
87.5°	13.6	15.4	14.8	14.8	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)