

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: P601231

Luminaire Tested: 14D3X-LP-35-L930

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-35-L930  
Description: 1x4 D3X-LP AT 3500lm 3000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

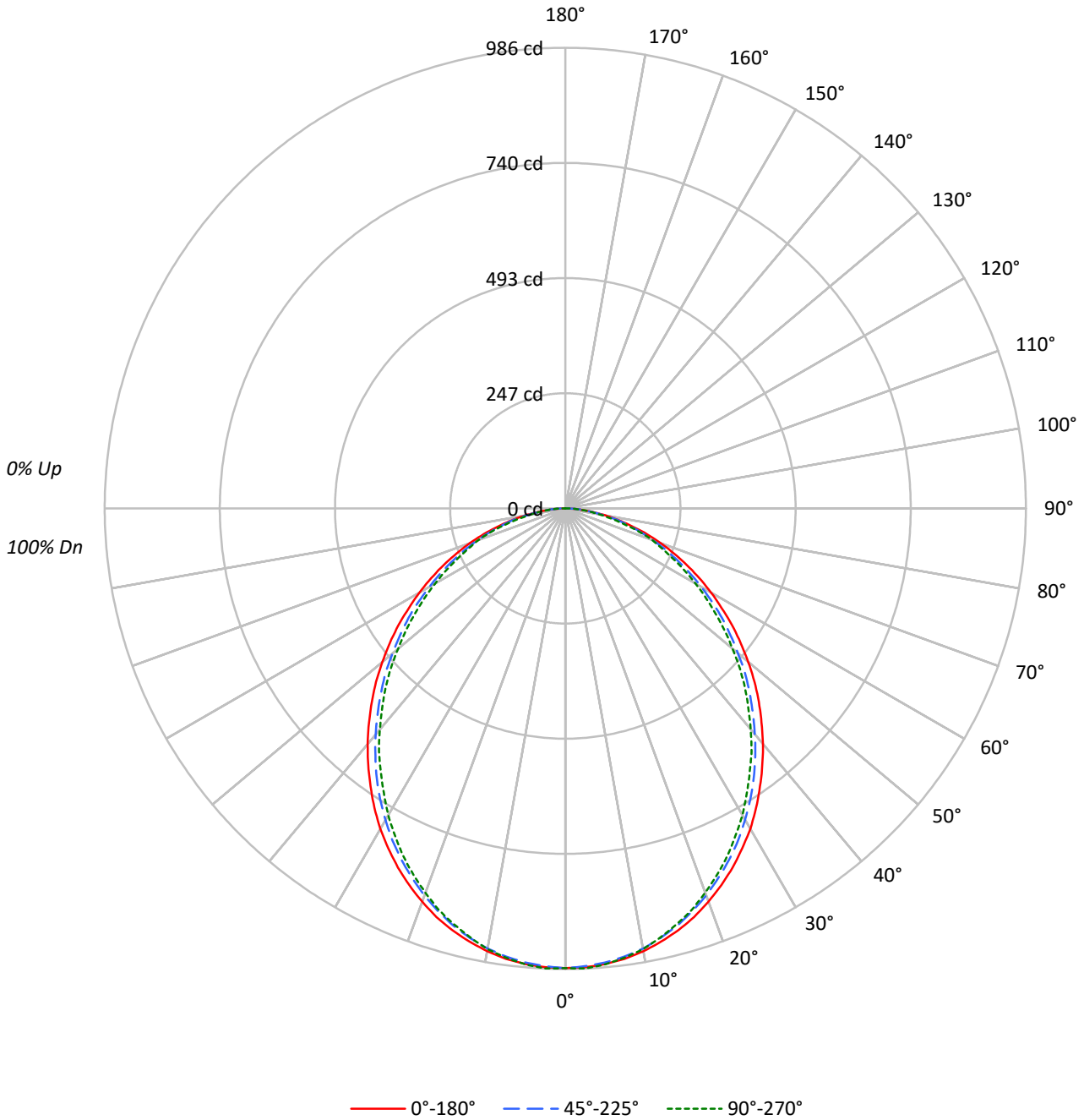
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2435.0 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27  
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: P601231  
CATALOG NUMBER: 14D3X-LP-35-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P601231  
 CATALOG NUMBER: 14D3X-LP-35-L930

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	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	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	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	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	2648	2648	2648
5°	2645	2636	2647
10°	2630	2614	2618
15°	2605	2576	2567
20°	2566	2525	2507
25°	2517	2464	2437
30°	2461	2392	2356
35°	2388	2312	2261
40°	2312	2218	2168
45°	2230	2123	2071
50°	2139	2019	1954
55°	2046	1923	1841
60°	1940	1806	1734
65°	1831	1692	1619
70°	1703	1577	1557
75°	1531	1458	1352
80°	1350	1260	1161
85°	1087	1087	1068

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2230 cd/sqm



TEST NUMBER: P601231  
 CATALOG NUMBER: 14D3X-LP-35-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	3.8
10°-20°	261.1	10.7
20°-30°	382.9	15.7
30°-40°	441.0	18.1
40°-50°	432.7	17.8
50°-60°	368.2	15.1
60°-70°	266.2	10.9
70°-80°	148.7	6.1
80°-90°	41.4	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°	736.7	30.3
0°-40°	1177.7	48.4
0°-60°	1978.6	81.3
0°-90°	2435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2435.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	979	979	976	979	980	93
15°	935	932	925	923	922	263
25°	848	841	830	824	821	390
35°	727	717	704	693	688	455
45°	586	574	558	547	544	452
55°	436	425	410	398	392	389
65°	288	280	266	256	254	285
75°	147	145	140	132	130	158
85°	35	37	35	35	35	42
90°	0	0	0	0	0	



TEST NUMBER: P601231  
 CATALOG NUMBER: 14D3X-LP-35-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	984.2	984.2	984.2	984.2	984.2
2.5°	983.0	983.0	981.0	984.9	985.5
5°	979.1	979.1	975.9	979.1	979.8
7.5°	972.7	971.4	967.6	970.2	970.2
10°	962.5	961.2	956.7	957.3	958.0
12.5°	949.7	947.7	942.0	941.3	940.7
15°	934.9	931.7	924.7	923.4	921.5
17.5°	917.0	912.5	904.2	902.3	901.0
20°	895.9	890.1	881.8	877.3	875.4
22.5°	872.8	866.4	856.2	851.7	849.1
25°	847.8	840.8	829.9	823.5	820.9
27.5°	820.3	812.6	801.1	792.8	789.6
30°	792.1	782.5	769.7	761.4	758.2
32.5°	760.1	749.9	737.7	727.5	723.0
35°	726.8	717.2	703.8	692.9	688.4
37.5°	692.9	683.9	667.9	658.3	655.1
40°	658.3	648.0	631.4	619.9	617.3
42.5°	621.8	612.8	594.3	584.7	580.2
45°	585.9	574.4	557.8	546.9	544.3
47.5°	549.4	536.6	521.9	509.7	506.5
50°	511.0	499.5	482.2	471.3	466.8
52.5°	473.2	463.0	445.7	433.5	430.3
55°	436.1	424.6	409.8	398.3	392.5
57.5°	397.0	388.1	372.7	361.8	357.3
60°	360.5	350.3	335.6	326.6	322.1
62.5°	323.4	313.1	301.0	291.4	287.5
65°	287.5	279.8	265.8	255.5	254.2
67.5°	251.7	245.3	233.1	222.8	223.5
70°	216.4	210.7	200.4	194.0	197.9
72.5°	183.1	179.9	168.4	163.9	165.9
75°	147.3	145.4	140.2	131.9	130.0
77.5°	117.2	118.5	112.7	102.5	99.9
80°	87.1	90.3	81.3	78.1	74.9
82.5°	60.2	64.7	57.0	54.4	53.2
85°	35.2	37.1	35.2	34.6	34.6
87.5°	14.7	17.3	17.3	17.9	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)