

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: P601268

Luminaire Tested: 14D3X-LP-70-L935

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601268  
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-70-L935  
Description: 1x4 D3X-LP AT 7000lm 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

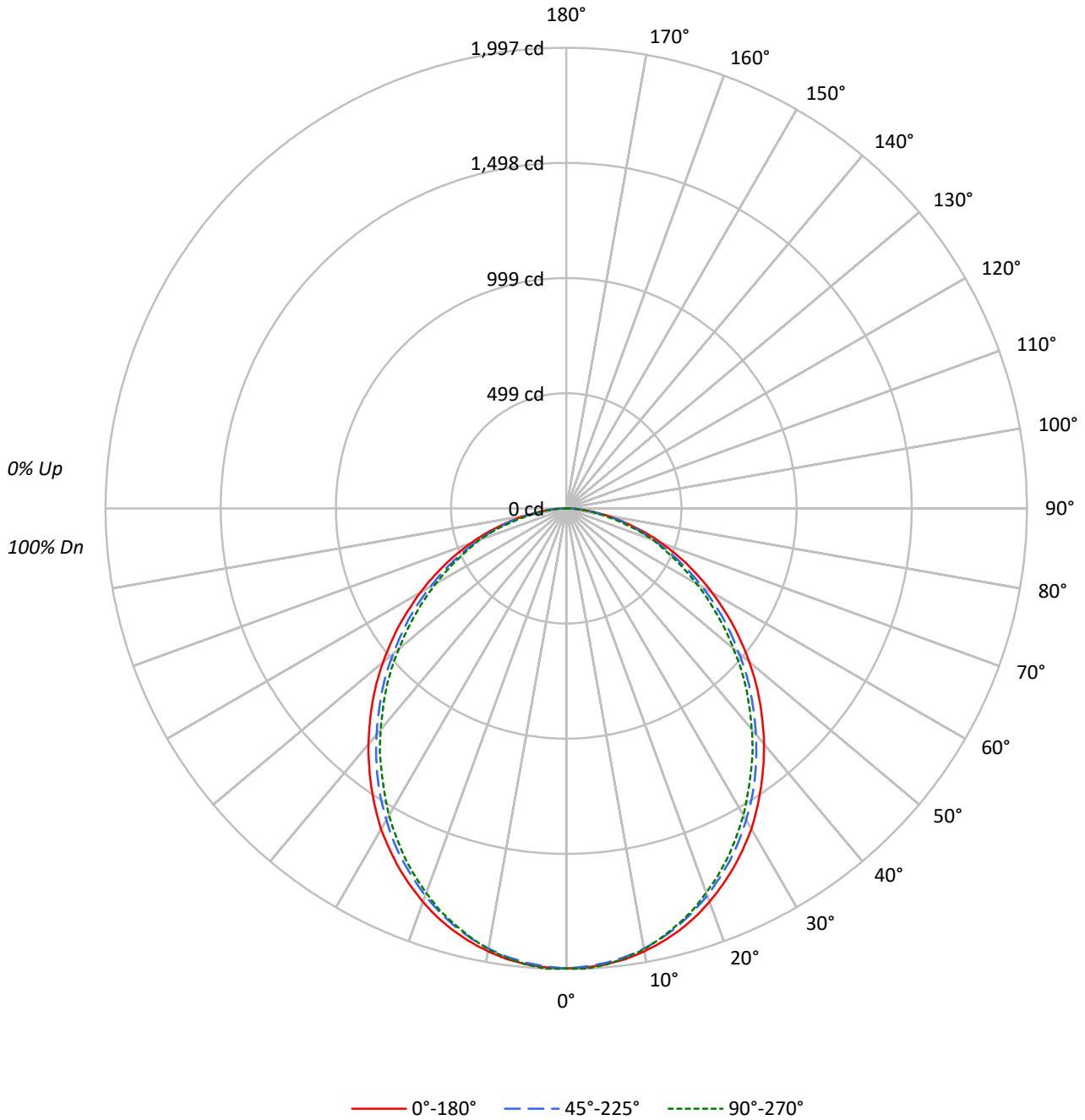
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4934.1 lumens  
Efficiency: N/A  
Efficacy: 69.3 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): 71.2  
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	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°	5367	5367	5367
5°	5359	5342	5363
10°	5329	5297	5304
15°	5278	5220	5202
20°	5198	5117	5080
25°	5101	4993	4939
30°	4987	4846	4774
35°	4838	4685	4582
40°	4686	4494	4394
45°	4518	4301	4198
50°	4335	4091	3960
55°	4146	3896	3732
60°	3932	3659	3513
65°	3710	3429	3280
70°	3451	3195	3155
75°	3103	2955	2739
80°	2735	2554	2352
85°	2205	2205	2164

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4518 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.0	3.8
10°-20°	529.0	10.7
20°-30°	775.8	15.7
30°-40°	893.6	18.1
40°-50°	876.9	17.8
50°-60°	746.0	15.1
60°-70°	539.4	10.9
70°-80°	301.4	6.1
80°-90°	84.0	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°	1492.8	30.3
0°-40°	2386.5	48.4
0°-60°	4009.4	81.3
0°-90°	4934.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4934.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1994	1994	1994	1994	1994	
5°	1984	1984	1978	1984	1985	188
15°	1894	1888	1874	1871	1867	534
25°	1718	1704	1682	1669	1664	791
35°	1473	1453	1426	1404	1395	921
45°	1187	1164	1130	1108	1103	916
55°	884	860	830	807	795	789
65°	583	567	538	518	515	577
75°	298	295	284	267	263	320
85°	71	75	71	70	70	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1994.4	1994.4	1994.4	1994.4	1994.4
2.5°	1991.8	1991.8	1987.9	1995.7	1997.0
5°	1984.0	1984.0	1977.5	1984.0	1985.3
7.5°	1971.0	1968.4	1960.7	1965.8	1965.8
10°	1950.3	1947.7	1938.6	1939.9	1941.2
12.5°	1924.3	1920.4	1908.8	1907.5	1906.2
15°	1894.5	1888.0	1873.7	1871.1	1867.2
17.5°	1858.1	1849.1	1832.2	1828.3	1825.7
20°	1815.3	1803.6	1786.8	1777.7	1773.8
22.5°	1768.6	1755.6	1734.9	1725.8	1720.6
25°	1718.0	1703.7	1681.7	1668.7	1663.5
27.5°	1662.2	1646.6	1623.3	1606.4	1599.9
30°	1605.1	1585.7	1559.7	1542.8	1536.3
32.5°	1540.2	1519.5	1494.8	1474.1	1465.0
35°	1472.8	1453.3	1426.1	1404.0	1394.9
37.5°	1404.0	1385.8	1353.4	1333.9	1327.4
40°	1333.9	1313.2	1279.4	1256.1	1250.9
42.5°	1260.0	1241.8	1204.2	1184.7	1175.6
45°	1187.3	1163.9	1130.2	1108.1	1103.0
47.5°	1113.3	1087.4	1057.5	1032.9	1026.4
50°	1035.5	1012.1	977.1	955.0	945.9
52.5°	958.9	938.2	903.1	878.5	872.0
55°	883.7	860.3	830.5	807.1	795.4
57.5°	804.5	786.3	755.2	733.1	724.1
60°	730.5	709.8	679.9	661.8	652.7
62.5°	655.3	634.5	609.9	590.4	582.6
65°	582.6	567.0	538.5	517.7	515.1
67.5°	510.0	497.0	472.3	451.6	452.9
70°	438.6	426.9	406.1	393.2	401.0
72.5°	371.1	364.6	341.3	332.2	336.1
75°	298.4	294.6	284.2	267.3	263.4
77.5°	237.5	240.1	228.4	207.6	202.4
80°	176.5	183.0	164.8	158.3	151.8
82.5°	122.0	131.1	115.5	110.3	107.7
85°	71.4	75.3	71.4	70.1	70.1
87.5°	29.8	35.0	35.0	36.3	37.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)