

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: P601267

Luminaire Tested: 14D3X-LP-70-L930

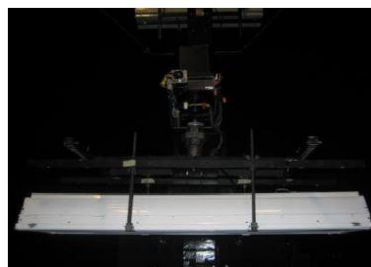
Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601267  
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-L930  
Description: 1x4 D3X-LP AT 7000lm 3000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

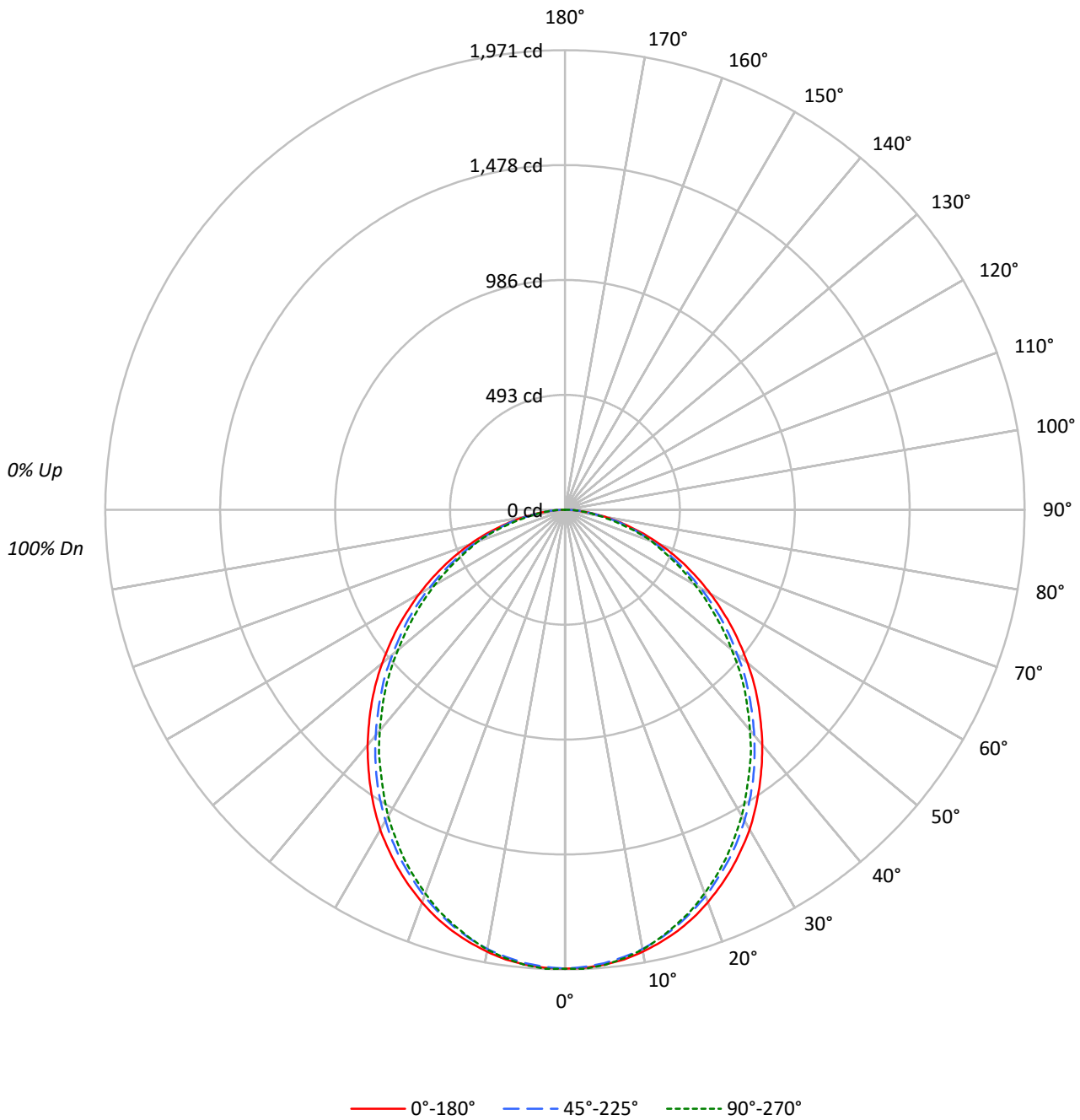
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4869.3 lumens  
Efficiency: N/A  
Efficacy: 68.4 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°	5296	5296	5296
5°	5289	5272	5292
10°	5259	5228	5235
15°	5209	5151	5134
20°	5130	5050	5013
25°	5034	4928	4874
30°	4922	4783	4711
35°	4775	4623	4522
40°	4624	4435	4336
45°	4459	4244	4142
50°	4278	4037	3908
55°	4091	3845	3683
60°	3880	3611	3467
65°	3661	3384	3237
70°	3405	3153	3113
75°	3062	2915	2702
80°	2700	2520	2321
85°	2174	2174	2133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4459 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.5	3.8
10°-20°	522.1	10.7
20°-30°	765.6	15.7
30°-40°	881.9	18.1
40°-50°	865.3	17.8
50°-60°	736.2	15.1
60°-70°	532.3	10.9
70°-80°	297.4	6.1
80°-90°	82.8	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°	1473.2	30.3
0°-40°	2355.1	48.4
0°-60°	3956.7	81.3
0°-90°	4869.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4869.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1968	1968	1968	1968	1968	
5°	1958	1958	1952	1958	1959	186
15°	1870	1863	1849	1846	1843	527
25°	1695	1681	1660	1647	1642	780
35°	1453	1434	1407	1386	1377	909
45°	1172	1149	1115	1094	1088	904
55°	872	849	820	796	785	779
65°	575	560	531	511	508	569
75°	294	291	280	264	260	316
85°	70	74	70	69	69	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1968.2	1968.2	1968.2	1968.2	1968.2
2.5°	1965.6	1965.6	1961.8	1969.5	1970.7
5°	1957.9	1957.9	1951.5	1957.9	1959.2
7.5°	1945.1	1942.6	1934.9	1940.0	1940.0
10°	1924.6	1922.1	1913.1	1914.4	1915.7
12.5°	1899.0	1895.2	1883.7	1882.4	1881.1
15°	1869.6	1863.2	1849.1	1846.5	1842.7
17.5°	1833.7	1824.8	1808.1	1804.3	1801.7
20°	1791.5	1779.9	1763.3	1754.3	1750.5
22.5°	1745.4	1732.6	1712.1	1703.1	1698.0
25°	1695.4	1681.3	1659.6	1646.8	1641.6
27.5°	1640.4	1625.0	1602.0	1585.3	1578.9
30°	1584.0	1564.8	1539.2	1522.6	1516.2
32.5°	1520.0	1499.5	1475.2	1454.7	1445.7
35°	1453.4	1434.2	1407.3	1385.5	1376.6
37.5°	1385.5	1367.6	1335.6	1316.4	1310.0
40°	1316.4	1295.9	1262.6	1239.6	1234.4
42.5°	1243.4	1225.5	1188.3	1169.1	1160.2
45°	1171.7	1148.6	1115.3	1093.6	1088.5
47.5°	1098.7	1073.1	1043.6	1019.3	1012.9
50°	1021.9	998.8	964.2	942.5	933.5
52.5°	946.3	925.8	891.3	866.9	860.5
55°	872.0	849.0	819.5	796.5	785.0
57.5°	793.9	776.0	745.3	723.5	714.5
60°	720.9	700.5	671.0	653.1	644.1
62.5°	646.7	626.2	601.9	582.6	575.0
65°	575.0	559.6	531.4	510.9	508.4
67.5°	503.3	490.4	466.1	445.6	446.9
70°	432.8	421.3	400.8	388.0	395.7
72.5°	366.2	359.8	336.8	327.8	331.7
75°	294.5	290.7	280.4	263.8	259.9
77.5°	234.3	236.9	225.4	204.9	199.8
80°	174.2	180.6	162.6	156.2	149.8
82.5°	120.4	129.3	114.0	108.8	106.3
85°	70.4	74.3	70.4	69.1	69.1
87.5°	29.5	34.6	34.6	35.9	37.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)