

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: P601138

Luminaire Tested: 22D3X-LP-70-L935

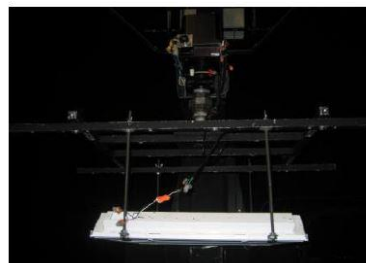
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601138  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22D3X-LP-70-L935  
Description: 2x2 D3X-LP AT 7000LM 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

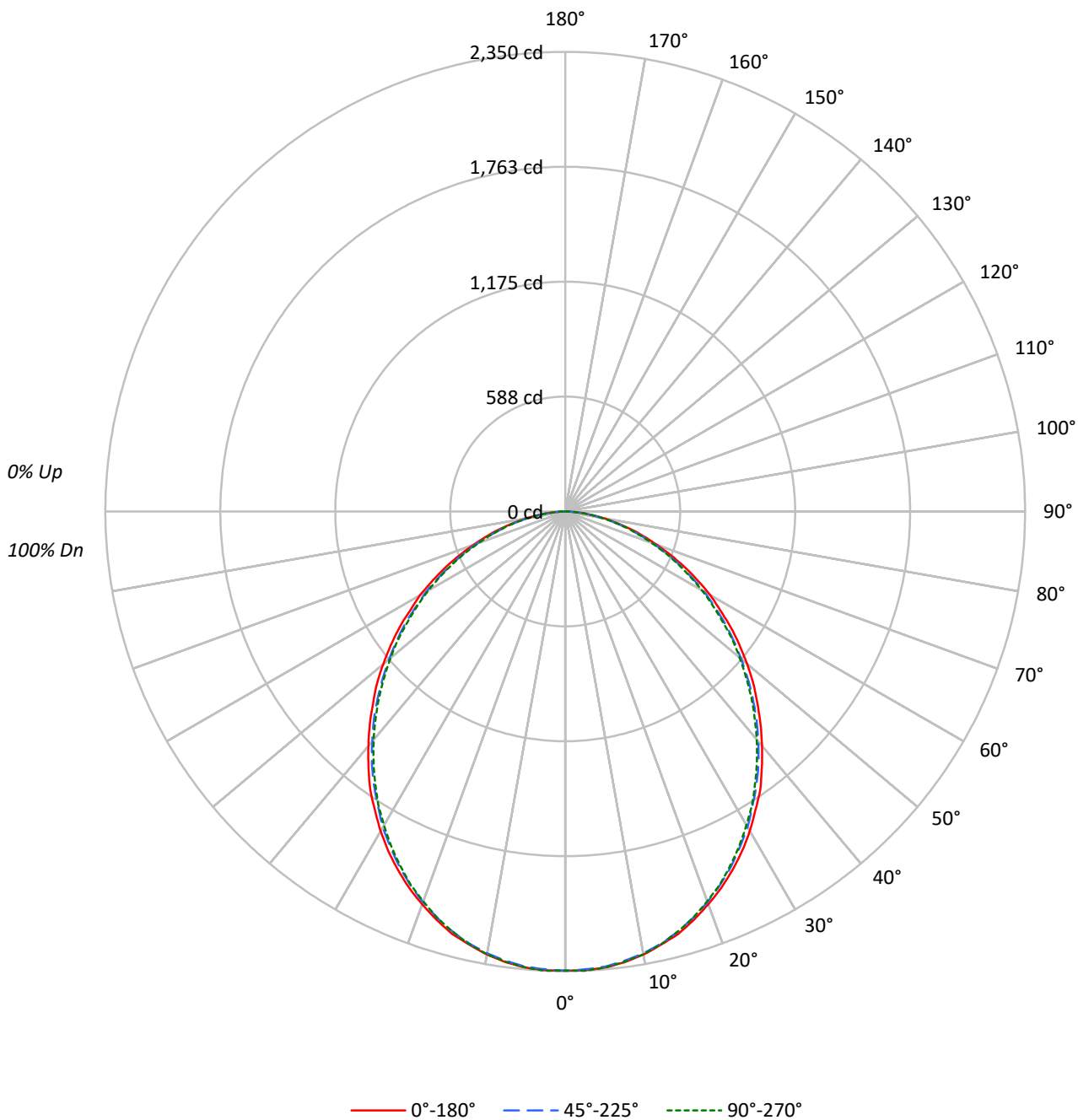
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5867.0 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 63.9  
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	
RW	70	50	30	10	70	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	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	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	36
8	62	49	40	34	60	48	40	34	47	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°	6318	6318	6318
5°	6323	6310	6323
10°	6288	6268	6281
15°	6228	6196	6196
20°	6121	6087	6074
25°	6006	5951	5930
30°	5864	5791	5755
35°	5708	5600	5562
40°	5495	5389	5348
45°	5286	5162	5117
50°	5081	4914	4876
55°	4849	4674	4608
60°	4606	4405	4342
65°	4288	4080	4035
70°	3919	3772	3680
75°	3575	3355	3379
80°	3081	2899	2935
85°	2384	2309	2167

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5286 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.8	3.8
10°-20°	627.1	10.7
20°-30°	923.6	15.7
30°-40°	1068.4	18.2
40°-50°	1050.4	17.9
50°-60°	895.2	15.3
60°-70°	641.4	10.9
70°-80°	348.4	5.9
80°-90°	90.9	1.5
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°	1772.5	30.2
0°-40°	2840.9	48.4
0°-60°	4786.4	81.6
0°-90°	5867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2348	2348	2348	2348	2348	
5°	2341	2336	2336	2336	2341	222
15°	2236	2226	2224	2222	2224	629
25°	2023	2013	2004	1999	1997	931
35°	1738	1724	1705	1695	1693	1084
45°	1389	1380	1356	1345	1345	1073
55°	1034	1015	996	984	982	923
65°	674	659	641	634	634	667
75°	344	332	323	318	325	363
85°	77	77	75	72	70	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2347.8	2347.8	2347.8	2347.8	2347.8
2.5°	2347.8	2345.5	2343.2	2345.5	2350.2
5°	2340.8	2336.1	2336.1	2336.1	2340.8
7.5°	2324.4	2319.8	2317.4	2319.8	2322.1
10°	2301.1	2296.4	2294.0	2296.4	2298.7
12.5°	2268.3	2266.0	2263.6	2263.6	2266.0
15°	2235.6	2226.2	2223.9	2221.5	2223.9
17.5°	2188.8	2186.5	2177.1	2177.1	2177.1
20°	2137.4	2132.7	2125.7	2121.0	2121.0
22.5°	2083.6	2078.9	2067.2	2062.5	2064.9
25°	2022.8	2013.4	2004.1	1999.4	1997.1
27.5°	1957.3	1947.9	1933.9	1926.9	1926.9
30°	1887.1	1880.1	1863.8	1854.4	1852.1
32.5°	1810.0	1805.3	1781.9	1777.2	1777.2
35°	1737.5	1723.5	1704.7	1695.4	1693.1
37.5°	1651.0	1641.6	1622.9	1611.2	1608.9
40°	1564.4	1552.7	1534.0	1524.7	1522.3
42.5°	1477.9	1466.2	1447.5	1435.8	1433.5
45°	1389.1	1379.7	1356.3	1344.6	1344.6
47.5°	1304.9	1286.2	1265.1	1255.8	1253.4
50°	1213.7	1197.3	1173.9	1164.6	1164.6
52.5°	1122.5	1110.8	1085.1	1080.4	1075.7
55°	1033.6	1014.9	996.2	984.5	982.2
57.5°	937.7	921.4	902.7	893.3	893.3
60°	855.9	834.8	818.5	806.8	806.8
62.5°	762.3	743.6	727.3	720.2	717.9
65°	673.5	659.4	640.7	633.7	633.7
67.5°	584.6	572.9	556.6	549.5	551.9
70°	498.1	491.1	479.4	470.0	467.7
72.5°	418.6	409.2	397.5	395.2	395.2
75°	343.8	332.1	322.7	318.0	325.0
77.5°	266.6	259.6	254.9	252.6	254.9
80°	198.8	189.4	187.1	189.4	189.4
82.5°	138.0	133.3	131.0	131.0	131.0
85°	77.2	77.2	74.8	72.5	70.2
87.5°	30.4	30.4	32.7	32.7	35.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)