

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: P601137

Luminaire Tested: 22D3X-LP-70-L930

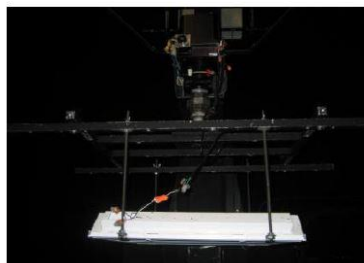
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601137  
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-L930  
Description: 2x2 D3X-LP AT 7000LM 3000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

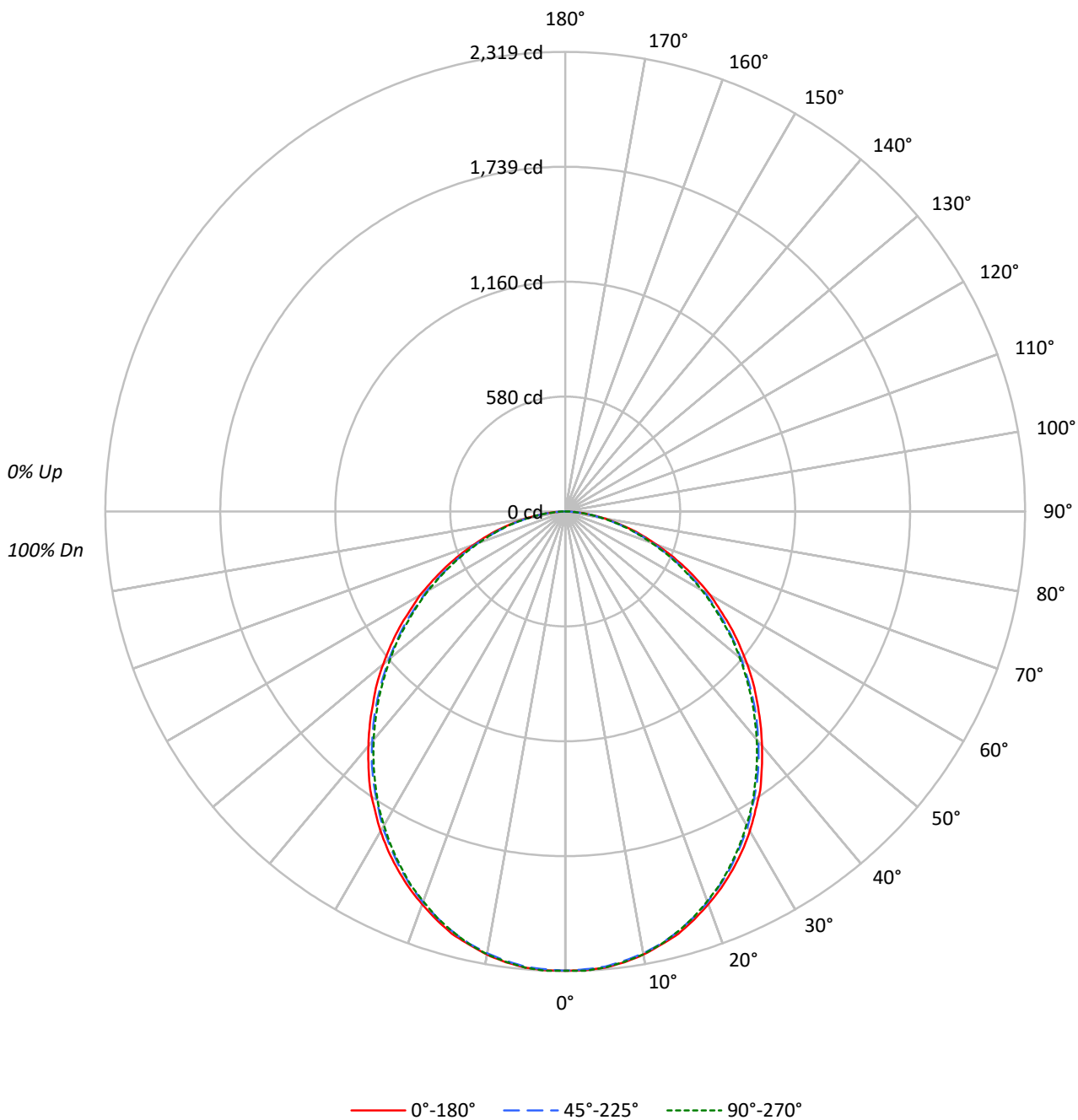
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5790.0 lumens  
Efficiency: N/A  
Efficacy: 90.6 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



TEST NUMBER: P601137  
CATALOG NUMBER: 22D3X-LP-70-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P601137  
 CATALOG NUMBER: 22D3X-LP-70-L930

**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°	6235	6235	6235
5°	6240	6228	6240
10°	6205	6186	6199
15°	6146	6114	6114
20°	6040	6007	5994
25°	5927	5872	5852
30°	5787	5715	5679
35°	5633	5527	5489
40°	5423	5318	5278
45°	5217	5094	5050
50°	5014	4850	4811
55°	4785	4612	4548
60°	4546	4347	4285
65°	4232	4026	3982
70°	3868	3722	3632
75°	3527	3311	3335
80°	3040	2861	2896
85°	2353	2279	2137

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5217 cd/sqm



TEST NUMBER: P601137  
 CATALOG NUMBER: 22D3X-LP-70-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.9	3.8
10°-20°	618.9	10.7
20°-30°	911.5	15.7
30°-40°	1054.4	18.2
40°-50°	1036.6	17.9
50°-60°	883.4	15.3
60°-70°	633.0	10.9
70°-80°	343.8	5.9
80°-90°	89.7	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°	1749.2	30.2
0°-40°	2803.6	48.4
0°-60°	4723.6	81.6
0°-90°	5790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5790.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2317	2317	2317	2317	2317	
5°	2310	2306	2306	2306	2310	219
15°	2206	2197	2195	2192	2195	621
25°	1996	1987	1978	1973	1971	919
35°	1715	1701	1682	1673	1671	1069
45°	1371	1362	1338	1327	1327	1059
55°	1020	1002	983	972	969	911
65°	665	651	632	625	625	658
75°	339	328	318	314	321	358
85°	76	76	74	72	69	93
90°	0	0	0	0	0	



TEST NUMBER: P601137  
 CATALOG NUMBER: 22D3X-LP-70-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2317.0	2317.0	2317.0	2317.0	2317.0
2.5°	2317.0	2314.7	2312.4	2314.7	2319.3
5°	2310.1	2305.5	2305.5	2305.5	2310.1
7.5°	2293.9	2289.3	2287.0	2289.3	2291.6
10°	2270.9	2266.2	2263.9	2266.2	2268.6
12.5°	2238.5	2236.2	2233.9	2233.9	2236.2
15°	2206.2	2197.0	2194.7	2192.4	2194.7
17.5°	2160.1	2157.8	2148.5	2148.5	2148.5
20°	2109.3	2104.7	2097.8	2093.2	2093.2
22.5°	2056.2	2051.6	2040.1	2035.5	2037.8
25°	1996.2	1987.0	1977.8	1973.2	1970.8
27.5°	1931.6	1922.4	1908.5	1901.6	1901.6
30°	1862.4	1855.5	1839.3	1830.1	1827.8
32.5°	1786.2	1781.6	1758.5	1753.9	1753.9
35°	1714.7	1700.8	1682.4	1673.1	1670.8
37.5°	1629.3	1620.1	1601.6	1590.1	1587.8
40°	1543.9	1532.4	1513.9	1504.7	1502.4
42.5°	1458.5	1447.0	1428.5	1417.0	1414.7
45°	1370.8	1361.6	1338.5	1327.0	1327.0
47.5°	1287.7	1269.3	1248.5	1239.3	1237.0
50°	1197.7	1181.6	1158.5	1149.3	1149.3
52.5°	1107.7	1096.2	1070.8	1066.2	1061.6
55°	1020.0	1001.6	983.1	971.6	969.3
57.5°	925.4	909.3	890.8	881.6	881.6
60°	844.6	823.9	807.7	796.2	796.2
62.5°	752.3	733.9	717.7	710.8	708.5
65°	664.6	650.8	632.3	625.4	625.4
67.5°	576.9	565.4	549.3	542.3	544.6
70°	491.6	484.6	473.1	463.9	461.6
72.5°	413.1	403.9	392.3	390.0	390.0
75°	339.2	327.7	318.5	313.9	320.8
77.5°	263.1	256.2	251.5	249.2	251.5
80°	196.2	186.9	184.6	186.9	186.9
82.5°	136.2	131.5	129.2	129.2	129.2
85°	76.2	76.2	73.8	71.5	69.2
87.5°	30.0	30.0	32.3	32.3	34.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)