

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: P601102

Luminaire Tested: 22D3X-LP-35-L935

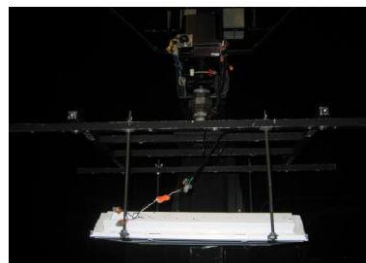
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601102  
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-35-L935  
Description: 2x2 D3X-LP AT 3500LM 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

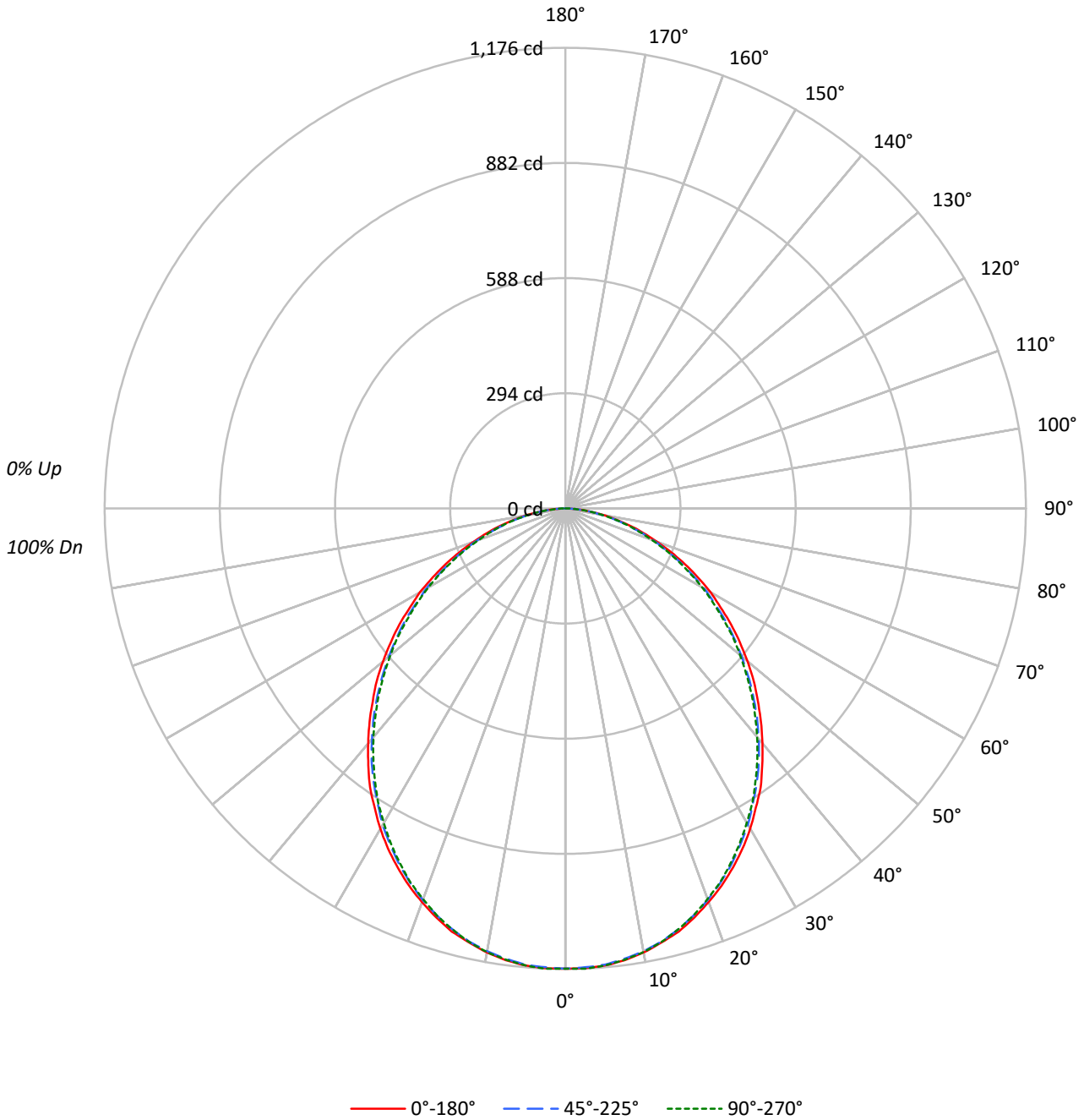
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2936.0 lumens  
Efficiency: N/A  
Efficacy: 101.9 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): 28.8  
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: P601102  
CATALOG NUMBER: 22D3X-LP-35-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P601102  
 CATALOG NUMBER: 22D3X-LP-35-L935

**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	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°	3162	3162	3162
5°	3164	3158	3164
10°	3146	3137	3143
15°	3117	3100	3100
20°	3063	3046	3040
25°	3006	2978	2967
30°	2935	2898	2880
35°	2856	2803	2783
40°	2750	2697	2676
45°	2645	2583	2561
50°	2543	2460	2440
55°	2426	2339	2306
60°	2305	2204	2173
65°	2146	2041	2019
70°	1961	1888	1841
75°	1788	1679	1692
80°	1542	1450	1469
85°	1192	1155	1084

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2645 cd/sqm



TEST NUMBER: P601102  
 CATALOG NUMBER: 22D3X-LP-35-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.0	3.8
10°-20°	313.8	10.7
20°-30°	462.2	15.7
30°-40°	534.7	18.2
40°-50°	525.6	17.9
50°-60°	448.0	15.3
60°-70°	321.0	10.9
70°-80°	174.3	5.9
80°-90°	45.5	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°	887.0	30.2
0°-40°	1421.6	48.4
0°-60°	2395.2	81.6
0°-90°	2936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2936.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1171	1169	1169	1169	1171	111
15°	1119	1114	1113	1112	1113	315
25°	1012	1008	1003	1000	999	466
35°	870	862	853	848	847	542
45°	695	690	679	673	673	537
55°	517	508	498	493	492	462
65°	337	330	321	317	317	334
75°	172	166	162	159	163	182
85°	39	39	37	36	35	47
90°	0	0	0	0	0	



TEST NUMBER: P601102  
 CATALOG NUMBER: 22D3X-LP-35-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1174.9	1174.9	1174.9	1174.9	1174.9
2.5°	1174.9	1173.7	1172.6	1173.7	1176.1
5°	1171.4	1169.1	1169.1	1169.1	1171.4
7.5°	1163.2	1160.9	1159.7	1160.9	1162.0
10°	1151.5	1149.2	1148.0	1149.2	1150.3
12.5°	1135.1	1134.0	1132.8	1132.8	1134.0
15°	1118.7	1114.1	1112.9	1111.7	1112.9
17.5°	1095.3	1094.2	1089.5	1089.5	1089.5
20°	1069.6	1067.3	1063.7	1061.4	1061.4
22.5°	1042.7	1040.3	1034.5	1032.1	1033.3
25°	1012.3	1007.6	1002.9	1000.5	999.4
27.5°	979.5	974.8	967.8	964.3	964.3
30°	944.4	940.9	932.7	928.0	926.8
32.5°	905.8	903.4	891.7	889.4	889.4
35°	869.5	862.5	853.1	848.4	847.2
37.5°	826.2	821.5	812.1	806.3	805.1
40°	782.9	777.0	767.7	763.0	761.8
42.5°	739.6	733.7	724.4	718.5	717.4
45°	695.1	690.4	678.7	672.9	672.9
47.5°	653.0	643.6	633.1	628.4	627.2
50°	607.4	599.2	587.5	582.8	582.8
52.5°	561.7	555.9	543.0	540.6	538.3
55°	517.2	507.9	498.5	492.7	491.5
57.5°	469.3	461.1	451.7	447.0	447.0
60°	428.3	417.8	409.6	403.7	403.7
62.5°	381.5	372.1	363.9	360.4	359.3
65°	337.0	330.0	320.6	317.1	317.1
67.5°	292.6	286.7	278.5	275.0	276.2
70°	249.3	245.7	239.9	235.2	234.0
72.5°	209.5	204.8	198.9	197.8	197.8
75°	172.0	166.2	161.5	159.2	162.7
77.5°	133.4	129.9	127.6	126.4	127.6
80°	99.5	94.8	93.6	94.8	94.8
82.5°	69.0	66.7	65.5	65.5	65.5
85°	38.6	38.6	37.4	36.3	35.1
87.5°	15.2	15.2	16.4	16.4	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)