

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: P601108

Luminaire Tested: 22D3X-LP-40-L935

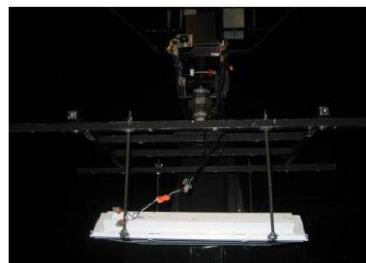
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601108  
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-40-L935  
Description: 2x2 D3X-LP AT 4000LM 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

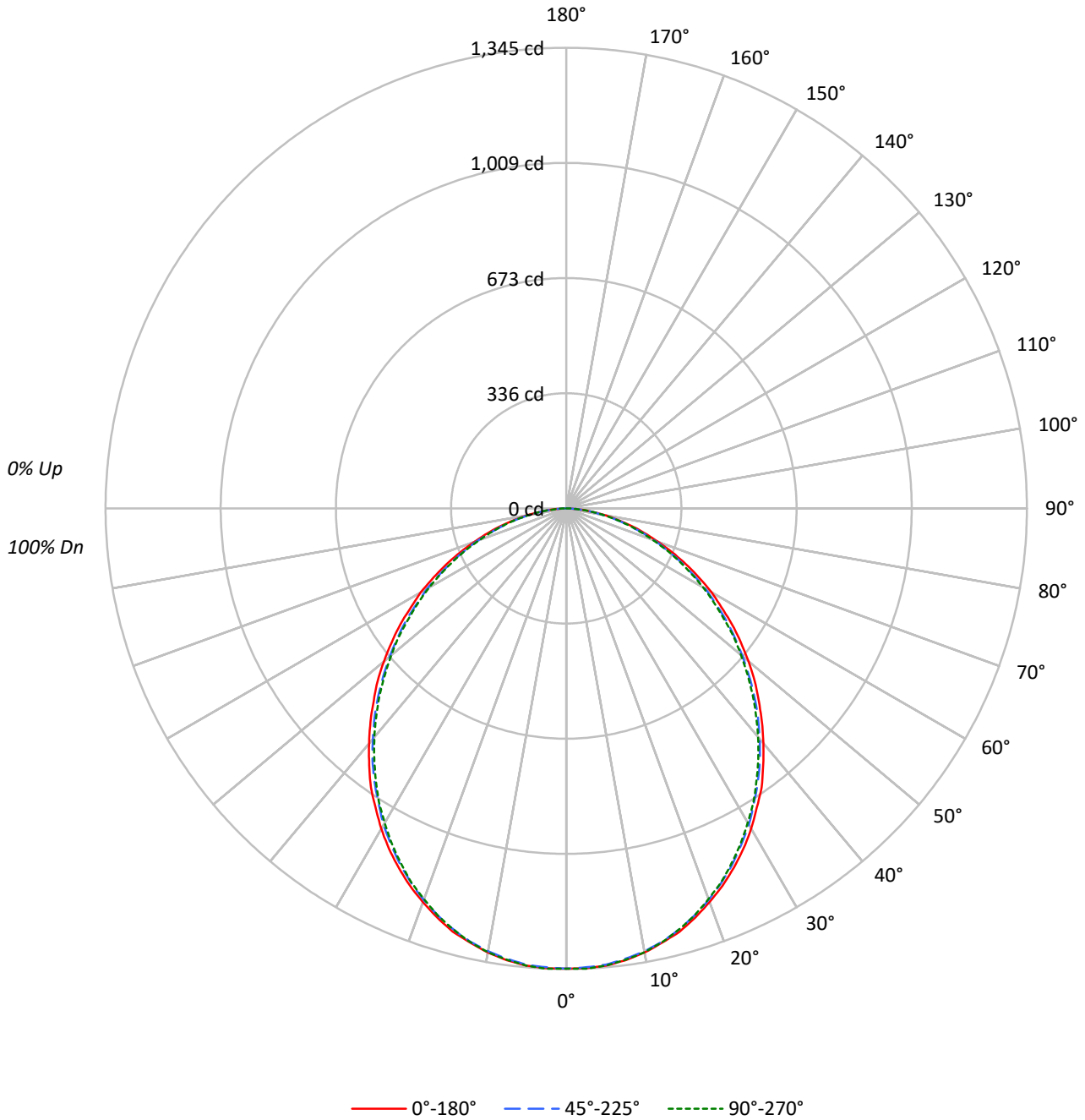
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3358.0 lumens  
Efficiency: N/A  
Efficacy: 103.0 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): 32.6  
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	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°	3616	3616	3616
5°	3619	3612	3619
10°	3599	3588	3595
15°	3565	3546	3546
20°	3503	3484	3477
25°	3437	3406	3394
30°	3356	3315	3294
35°	3267	3205	3183
40°	3145	3084	3061
45°	3025	2954	2929
50°	2908	2813	2790
55°	2776	2675	2637
60°	2637	2521	2485
65°	2455	2335	2309
70°	2243	2159	2106
75°	2045	1920	1934
80°	1764	1660	1680
85°	1365	1321	1241

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3025 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.9	3.8
10°-20°	358.9	10.7
20°-30°	528.6	15.7
30°-40°	611.5	18.2
40°-50°	601.2	17.9
50°-60°	512.3	15.3
60°-70°	367.1	10.9
70°-80°	199.4	5.9
80°-90°	52.0	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°	1014.5	30.2
0°-40°	1626.0	48.4
0°-60°	2739.5	81.6
0°-90°	3358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3358.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1340	1337	1337	1337	1340	127
15°	1280	1274	1273	1272	1273	360
25°	1158	1152	1147	1144	1143	533
35°	994	986	976	970	969	620
45°	795	790	776	770	770	614
55°	592	581	570	564	562	528
65°	386	377	367	363	363	382
75°	197	190	185	182	186	208
85°	44	44	43	42	40	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1343.8	1343.8	1343.8	1343.8	<i>1343.8</i>
2.5°	<i>1343.8</i>	<i>1342.4</i>	<i>1341.1</i>	<i>1342.4</i>	<i>1345.1</i>
5°	1339.8	1337.1	1337.1	1337.1	<i>1339.8</i>
7.5°	1330.4	1327.7	1326.4	1327.7	<i>1329.1</i>
10°	1317.0	1314.3	1313.0	1314.3	<i>1315.7</i>
12.5°	1298.3	1296.9	1295.6	1295.6	<i>1296.9</i>
15°	1279.5	1274.2	1272.9	1271.5	<i>1272.9</i>
17.5°	1252.8	1251.4	1246.1	1246.1	<i>1246.1</i>
20°	1223.3	1220.7	1216.6	1214.0	<i>1214.0</i>
22.5°	1192.5	1189.9	1183.2	1180.5	<i>1181.8</i>
25°	1157.7	1152.4	1147.0	1144.4	<i>1143.0</i>
27.5°	1120.3	1114.9	1106.9	1102.9	<i>1102.9</i>
30°	1080.1	1076.1	1066.7	1061.4	<i>1060.0</i>
32.5°	1035.9	1033.3	1019.9	1017.2	<i>1017.2</i>
35°	994.5	986.4	975.7	970.4	<i>969.0</i>
37.5°	944.9	939.6	928.9	922.2	<i>920.8</i>
40°	895.4	888.7	878.0	872.7	<i>871.3</i>
42.5°	845.9	839.2	828.5	821.8	<i>820.5</i>
45°	795.0	789.7	776.3	769.6	<i>769.6</i>
47.5°	746.8	736.1	724.1	718.7	<i>717.4</i>
50°	694.6	685.3	671.9	666.5	<i>666.5</i>
52.5°	642.4	635.8	621.0	618.4	<i>615.7</i>
55°	591.6	580.9	570.2	563.5	<i>562.1</i>
57.5°	536.7	527.3	516.6	511.3	<i>511.3</i>
60°	489.9	477.8	468.5	461.8	<i>461.8</i>
62.5°	436.3	425.6	416.3	412.2	<i>410.9</i>
65°	385.5	377.4	366.7	362.7	<i>362.7</i>
67.5°	334.6	327.9	318.5	314.5	<i>315.9</i>
70°	285.1	281.1	274.4	269.0	<i>267.7</i>
72.5°	239.6	234.2	227.5	226.2	<i>226.2</i>
75°	196.7	190.1	184.7	182.0	<i>186.0</i>
77.5°	152.6	148.6	145.9	144.6	<i>145.9</i>
80°	113.8	108.4	107.1	108.4	<i>108.4</i>
82.5°	79.0	76.3	75.0	75.0	<i>75.0</i>
85°	44.2	44.2	42.8	41.5	<i>40.2</i>
87.5°	17.4	17.4	18.7	18.7	<i>20.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)