

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: P601089

Luminaire Tested: 22D3X-LP-25-L930

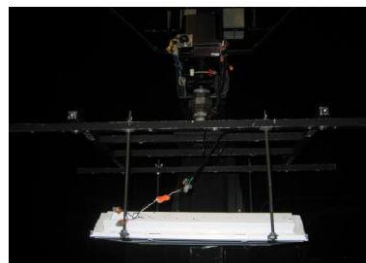
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601089  
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-25-L930  
Description: 2x2 D3X-LP AT 2500LM 3000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

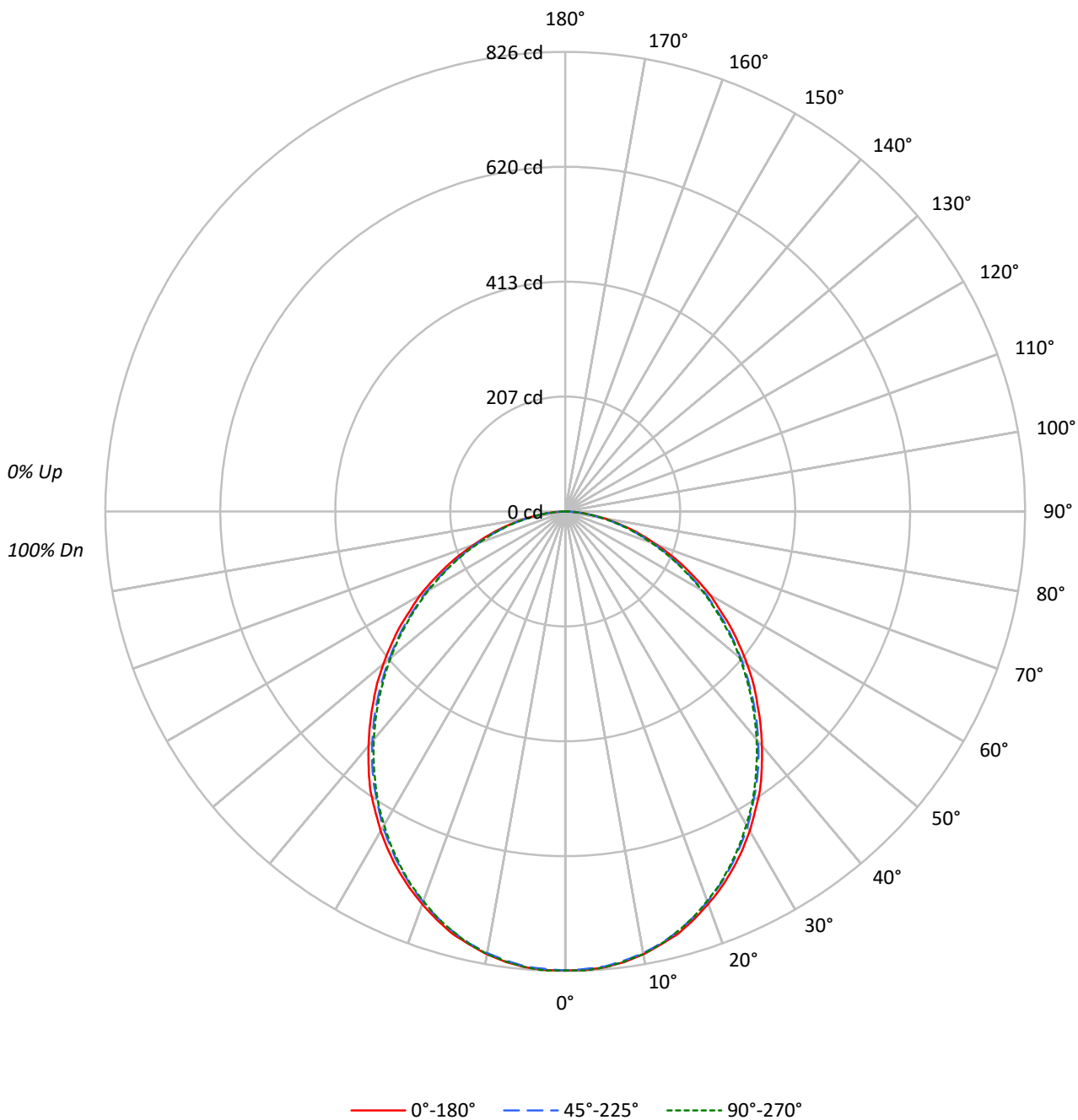
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2061.0 lumens  
Efficiency: N/A  
Efficacy: 103.6 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): 19.9  
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	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°	2220	2220	2220
5°	2221	2217	2221
10°	2209	2202	2206
15°	2188	2176	2176
20°	2150	2138	2134
25°	2110	2090	2083
30°	2060	2034	2022
35°	2005	1967	1954
40°	1931	1893	1879
45°	1857	1813	1797
50°	1785	1726	1713
55°	1704	1642	1619
60°	1618	1547	1525
65°	1507	1433	1417
70°	1377	1325	1293
75°	1256	1179	1187
80°	1082	1018	1031
85°	837	812	760

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1857 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.9	3.8
10°-20°	220.3	10.7
20°-30°	324.4	15.7
30°-40°	375.3	18.2
40°-50°	369.0	17.9
50°-60°	314.5	15.3
60°-70°	225.3	10.9
70°-80°	122.4	5.9
80°-90°	31.9	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°	622.6	30.2
0°-40°	998.0	48.4
0°-60°	1681.4	81.6
0°-90°	2061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2061.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	822	821	821	821	822	78
15°	785	782	781	780	781	221
25°	711	707	704	702	702	327
35°	610	605	599	596	595	381
45°	488	485	476	472	472	377
55°	363	356	350	346	345	324
65°	237	232	225	223	223	234
75°	121	117	113	112	114	128
85°	27	27	26	26	25	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	824.8	824.8	824.8	824.8	824.8
2.5°	824.8	823.9	823.1	823.9	825.6
5°	822.3	820.7	820.7	820.7	822.3
7.5°	816.5	814.9	814.1	814.9	815.7
10°	808.3	806.7	805.9	806.7	807.5
12.5°	796.8	796.0	795.2	795.2	796.0
15°	785.3	782.0	781.2	780.4	781.2
17.5°	768.9	768.1	764.8	764.8	764.8
20°	750.8	749.2	746.7	745.1	745.1
22.5°	731.9	730.3	726.2	724.5	725.4
25°	710.6	707.3	704.0	702.4	701.5
27.5°	687.6	684.3	679.4	676.9	676.9
30°	662.9	660.5	654.7	651.4	650.6
32.5°	635.8	634.2	626.0	624.3	624.3
35°	610.4	605.4	598.9	595.6	594.7
37.5°	580.0	576.7	570.1	566.0	565.2
40°	549.6	545.5	538.9	535.6	534.8
42.5°	519.2	515.1	508.5	504.4	503.6
45°	488.0	484.7	476.5	472.3	472.3
47.5°	458.4	451.8	444.4	441.1	440.3
50°	426.3	420.6	412.4	409.1	409.1
52.5°	394.3	390.2	381.2	379.5	377.9
55°	363.1	356.5	349.9	345.8	345.0
57.5°	329.4	323.7	317.1	313.8	313.8
60°	300.7	293.3	287.5	283.4	283.4
62.5°	267.8	261.2	255.5	253.0	252.2
65°	236.6	231.7	225.1	222.6	222.6
67.5°	205.4	201.3	195.5	193.0	193.9
70°	175.0	172.5	168.4	165.1	164.3
72.5°	147.0	143.8	139.7	138.8	138.8
75°	120.8	116.6	113.4	111.7	114.2
77.5°	93.6	91.2	89.5	88.7	89.5
80°	69.8	66.5	65.7	66.5	66.5
82.5°	48.5	46.8	46.0	46.0	46.0
85°	27.1	27.1	26.3	25.5	24.6
87.5°	10.7	10.7	11.5	11.5	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)