

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: P601087

Luminaire Tested: 22D3X-LP-25-L835

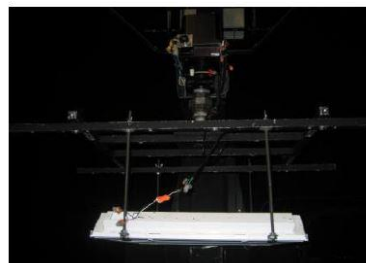
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601087  
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-L835  
Description: 2x2 D3X-LP AT 2500LM 3500K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

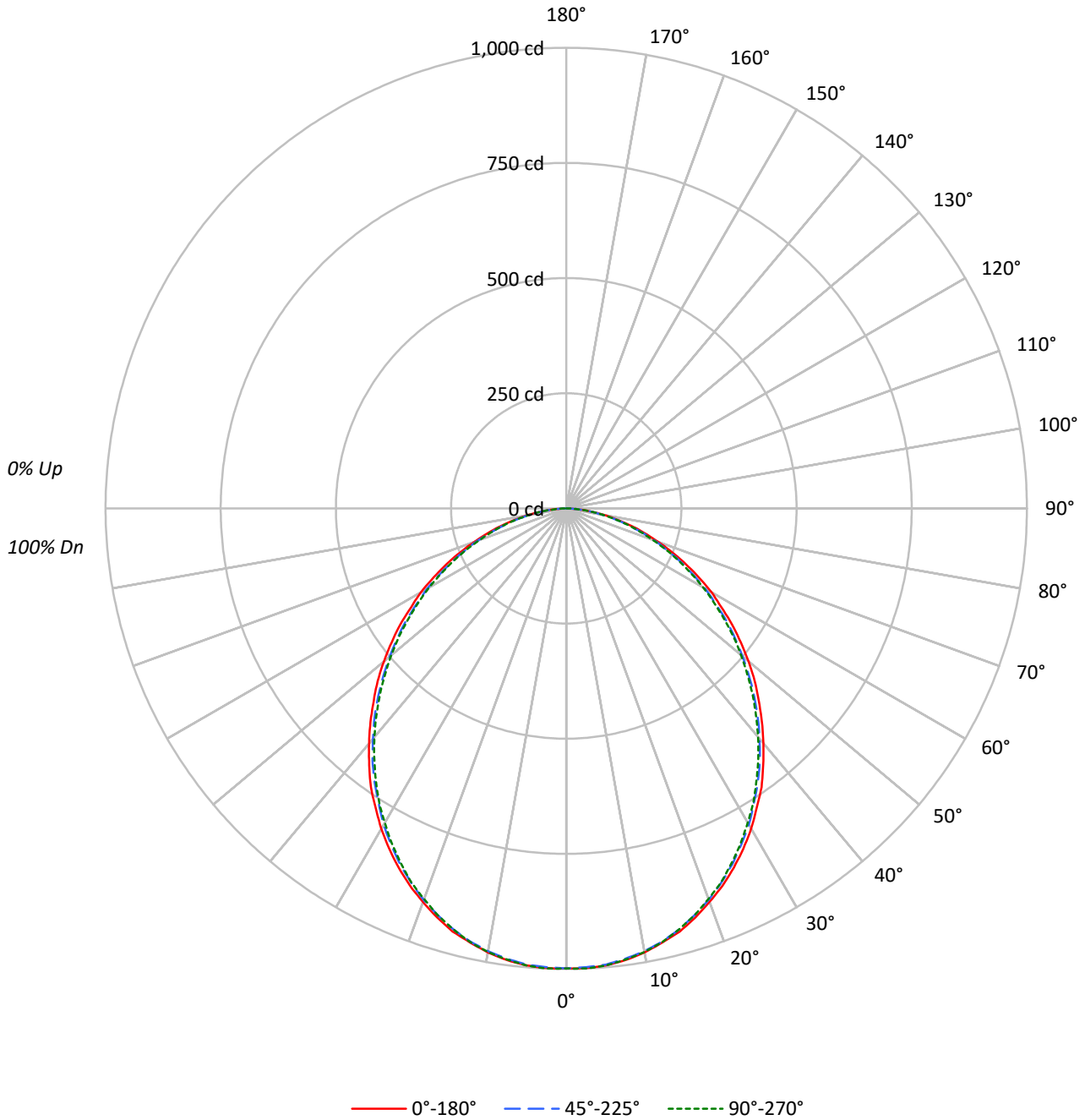
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2496.0 lumens  
Efficiency: N/A  
Efficacy: 125.4 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°	2688	2688	2688
5°	2690	2685	2690
10°	2675	2667	2672
15°	2650	2636	2636
20°	2604	2590	2584
25°	2555	2532	2523
30°	2495	2464	2448
35°	2428	2383	2366
40°	2338	2292	2275
45°	2249	2196	2177
50°	2161	2091	2074
55°	2063	1988	1960
60°	1960	1874	1847
65°	1824	1736	1717
70°	1667	1604	1566
75°	1520	1428	1438
80°	1311	1234	1249
85°	1013	982	920

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2249 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.4	3.8
10°-20°	266.8	10.7
20°-30°	392.9	15.7
30°-40°	454.5	18.2
40°-50°	446.8	17.9
50°-60°	380.8	15.3
60°-70°	272.9	10.9
70°-80°	148.2	5.9
80°-90°	38.6	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°	754.1	30.2
0°-40°	1208.6	48.4
0°-60°	2036.3	81.6
0°-90°	2496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	996	994	994	994	996	95
15°	951	947	946	945	946	268
25°	861	857	853	851	850	396
35°	739	733	725	721	720	461
45°	591	587	577	572	572	456
55°	440	432	424	419	418	393
65°	286	280	273	270	270	284
75°	146	141	137	135	138	154
85°	33	33	32	31	30	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	998.8	998.8	998.8	998.8	998.8
2.5°	998.8	997.8	996.8	997.8	999.8
5°	995.9	993.9	993.9	993.9	995.9
7.5°	988.9	986.9	985.9	986.9	987.9
10°	978.9	977.0	976.0	977.0	977.9
12.5°	965.0	964.0	963.0	963.0	964.0
15°	951.1	947.1	946.1	945.1	946.1
17.5°	931.2	930.2	926.2	926.2	926.2
20°	909.3	907.3	904.3	902.3	902.3
22.5°	886.4	884.4	879.5	877.5	878.5
25°	860.6	856.6	852.6	850.6	849.6
27.5°	832.7	828.7	822.7	819.8	819.8
30°	802.9	799.9	792.9	788.9	787.9
32.5°	770.0	768.0	758.1	756.1	756.1
35°	739.2	733.2	725.3	721.3	720.3
37.5°	702.4	698.4	690.4	685.5	684.5
40°	665.6	660.6	652.6	648.6	647.7
42.5°	628.8	623.8	615.8	610.8	609.8
45°	590.9	587.0	577.0	572.0	572.0
47.5°	555.1	547.2	538.2	534.2	533.2
50°	516.3	509.4	499.4	495.4	495.4
52.5°	477.5	472.6	461.6	459.6	457.6
55°	439.7	431.8	423.8	418.8	417.8
57.5°	398.9	392.0	384.0	380.0	380.0
60°	364.1	355.2	348.2	343.2	343.2
62.5°	324.3	316.4	309.4	306.4	305.4
65°	286.5	280.5	272.6	269.6	269.6
67.5°	248.7	243.7	236.8	233.8	234.8
70°	211.9	208.9	203.9	200.0	199.0
72.5°	178.1	174.1	169.1	168.1	168.1
75°	146.2	141.3	137.3	135.3	138.3
77.5°	113.4	110.4	108.4	107.4	108.4
80°	84.6	80.6	79.6	80.6	80.6
82.5°	58.7	56.7	55.7	55.7	55.7
85°	32.8	32.8	31.8	30.8	29.8
87.5°	12.9	12.9	13.9	13.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)