

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: P601088

Luminaire Tested: 22D3X-LP-25-L840

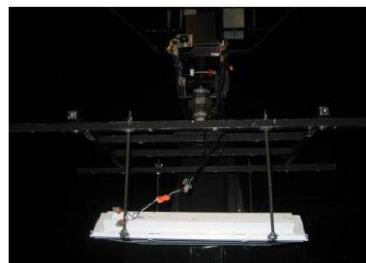
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601088  
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-L840  
Description: 2x2 D3X-LP AT 2500LM 4000K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

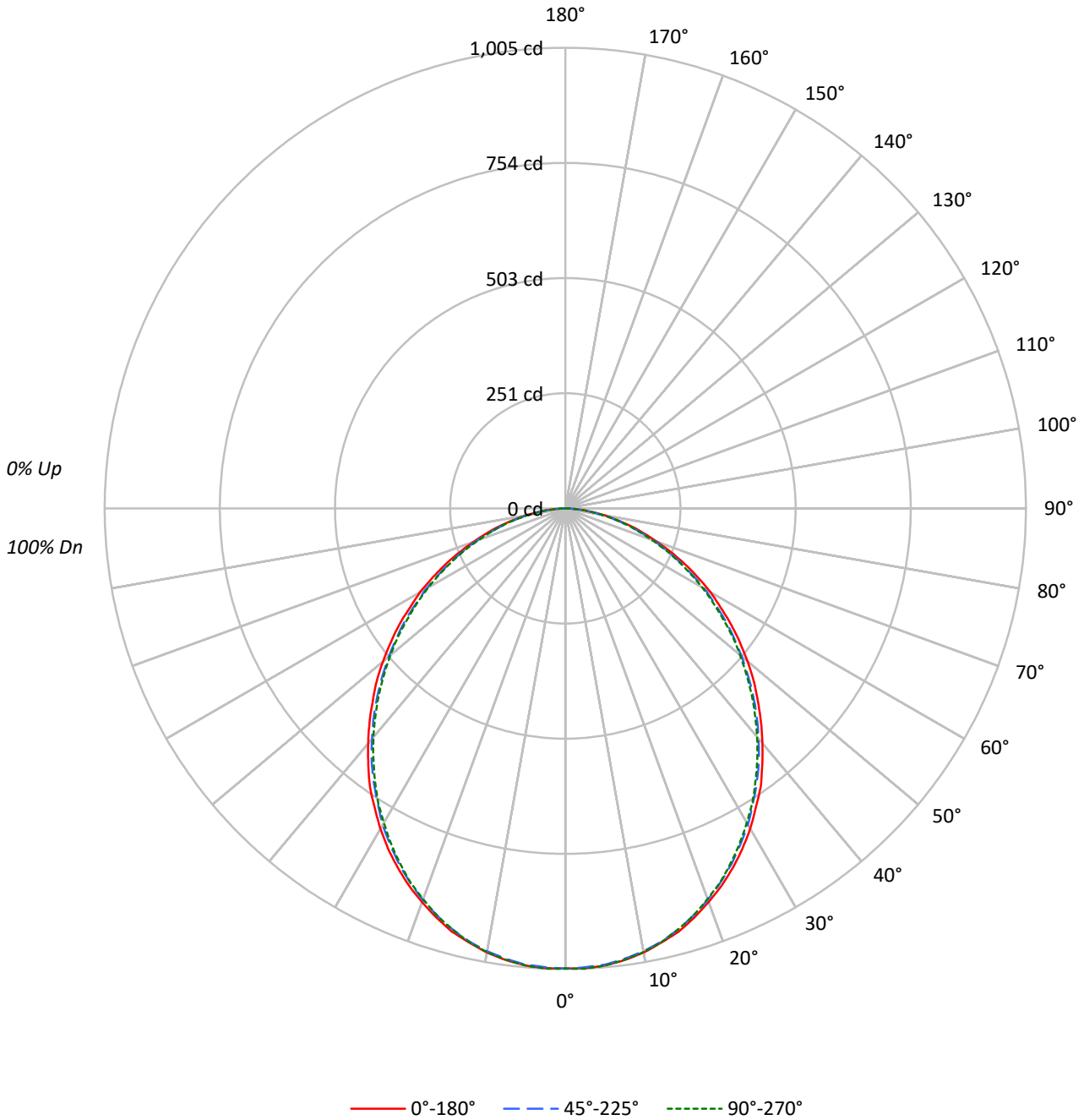
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2508.9 lumens  
Efficiency: N/A  
Efficacy: 126.1 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°	2702	2702	2702
5°	2704	2699	2704
10°	2689	2681	2686
15°	2663	2649	2649
20°	2617	2603	2597
25°	2568	2545	2536
30°	2508	2476	2461
35°	2441	2395	2378
40°	2350	2304	2287
45°	2261	2207	2188
50°	2173	2102	2085
55°	2074	1999	1970
60°	1970	1884	1857
65°	1834	1745	1726
70°	1676	1613	1574
75°	1528	1435	1445
80°	1317	1240	1255
85°	1019	988	926

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2261 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.8	3.8
10°-20°	268.2	10.7
20°-30°	395.0	15.7
30°-40°	456.9	18.2
40°-50°	449.2	17.9
50°-60°	382.8	15.3
60°-70°	274.3	10.9
70°-80°	149.0	5.9
80°-90°	38.9	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°	758.0	30.2
0°-40°	1214.8	48.4
0°-60°	2046.8	81.6
0°-90°	2508.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	1001	999	999	999	1001	95
15°	956	952	951	950	951	269
25°	865	861	857	855	854	398
35°	743	737	729	725	724	463
45°	594	590	580	575	575	459
55°	442	434	426	421	420	395
65°	288	282	274	271	271	285
75°	147	142	138	136	139	155
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°	1004	1004	1004	1004	1004
2.5°	1004	1003	1002	1003	1005
5°	1001	999	999	999	1001
7.5°	994	992	991	992	993
10°	984	982	981	982	983
12.5°	970	969	968	968	969
15°	956	952	951	950	951
17.5°	936	935	931	931	931
20°	914	912	909	907	907
22.5°	891	889	884	882	883
25°	865	861	857	855	854
27.5°	837	833	827	824	824
30°	807	804	797	793	792
32.5°	774	772	762	760	760
35°	743	737	729	725	724
37.5°	706	702	694	689	688
40°	669	664	656	652	651
42.5°	632	627	619	614	613
45°	594	590	580	575	575
47.5°	558	550	541	537	536
50°	519	512	502	498	498
52.5°	480	475	464	462	460
55°	442	434	426	421	420
57.5°	401	394	386	382	382
60°	366	357	350	345	345
62.5°	326	318	311	308	307
65°	288	282	274	271	271
67.5°	250	245	238	235	236
70°	213	210	205	201	200
72.5°	179	175	170	169	169
75°	147	142	138	136	139
77.5°	114	111	109	108	109
80°	85	81	80	81	81
82.5°	59	57	56	56	56
85°	33	33	32	31	30
87.5°	13	13	14	14	15
90°	0	0	0	0	0

(END OF REPORT)