

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: P601127

Luminaire Tested: 22D3X-LP-55-L940

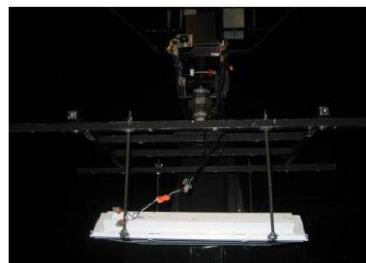
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601127  
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-55-L940  
Description: 2x2 D3X-LP AT 5500LM 4000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

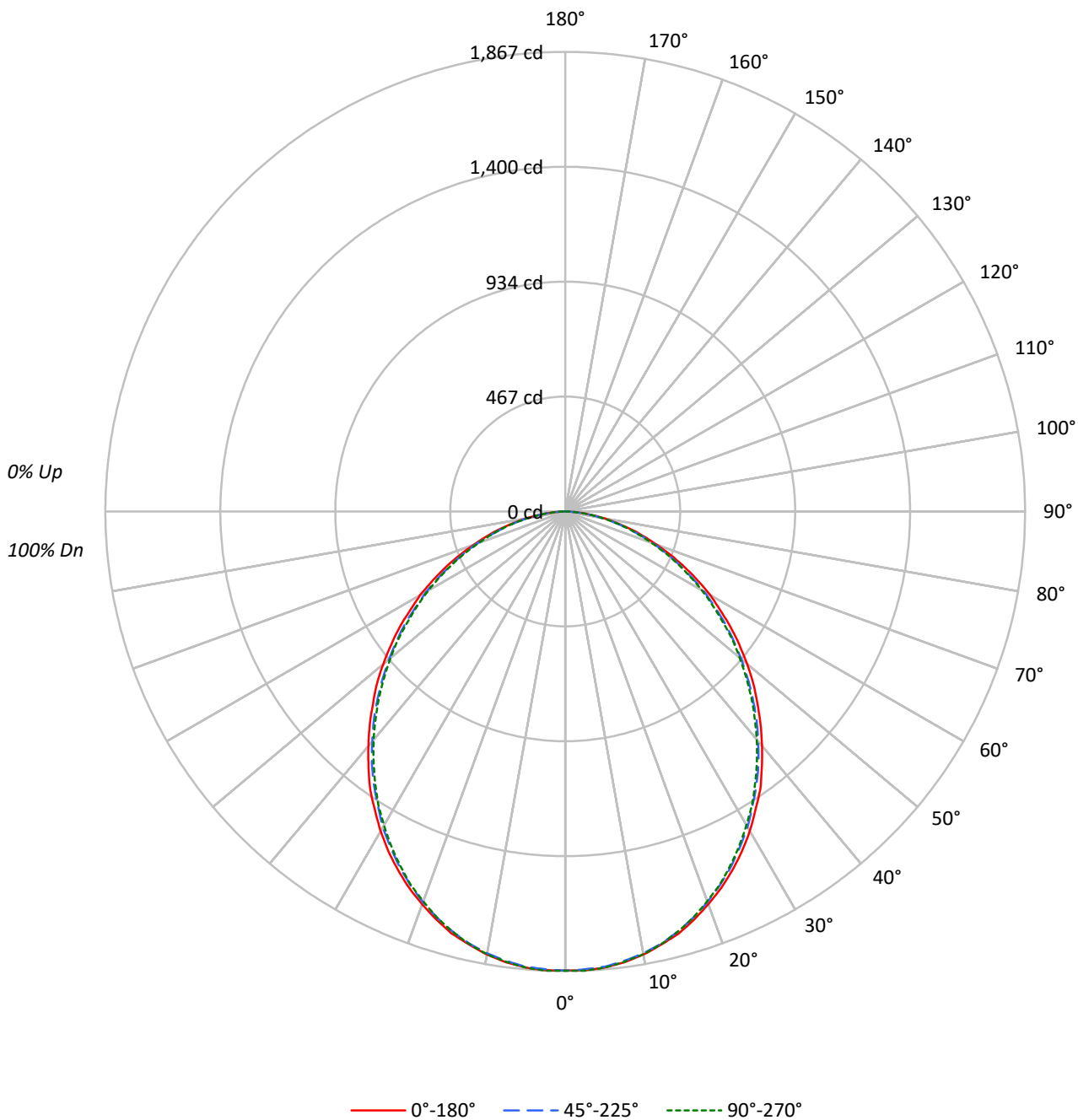
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4661.0 lumens  
Efficiency: N/A  
Efficacy: 102.7 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): 45.4  
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°	5019	5019	5019
5°	5023	5013	5023
10°	4995	4980	4990
15°	4948	4922	4922
20°	4863	4836	4825
25°	4771	4727	4711
30°	4658	4601	4572
35°	4534	4449	4418
40°	4366	4281	4248
45°	4200	4101	4065
50°	4037	3904	3873
55°	3852	3713	3661
60°	3659	3499	3449
65°	3407	3241	3206
70°	3113	2996	2924
75°	2839	2666	2685
80°	2447	2303	2332
85°	1893	1834	1720

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4200 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.2	3.8
10°-20°	498.2	10.7
20°-30°	733.7	15.7
30°-40°	848.8	18.2
40°-50°	834.5	17.9
50°-60°	711.1	15.3
60°-70°	509.6	10.9
70°-80°	276.7	5.9
80°-90°	72.2	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°	1408.1	30.2
0°-40°	2256.9	48.4
0°-60°	3802.5	81.6
0°-90°	4661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4661.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1865	1865	1865	1865	1865	
5°	1860	1856	1856	1856	1860	176
15°	1776	1769	1767	1765	1767	500
25°	1607	1600	1592	1588	1586	740
35°	1380	1369	1354	1347	1345	861
45°	1104	1096	1078	1068	1068	852
55°	821	806	791	782	780	733
65°	535	524	509	504	504	530
75°	273	264	256	253	258	288
85°	61	61	59	58	56	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1865.2	1865.2	1865.2	1865.2	1865.2
2.5°	1865.2	1863.4	1861.5	1863.4	1867.1
5°	1859.6	1855.9	1855.9	1855.9	1859.6
7.5°	1846.6	1842.9	1841.1	1842.9	1844.8
10°	1828.1	1824.3	1822.5	1824.3	1826.2
12.5°	1802.1	1800.2	1798.3	1798.3	1800.2
15°	1776.0	1768.6	1766.8	1764.9	1766.8
17.5°	1738.9	1737.0	1729.6	1729.6	1729.6
20°	1698.0	1694.3	1688.7	1685.0	1685.0
22.5°	1655.3	1651.6	1642.3	1638.6	1640.4
25°	1607.0	1599.6	1592.1	1588.4	1586.5
27.5°	1555.0	1547.5	1536.4	1530.8	1530.8
30°	1499.2	1493.7	1480.7	1473.2	1471.4
32.5°	1437.9	1434.2	1415.6	1411.9	1411.9
35°	1380.3	1369.2	1354.3	1346.9	1345.0
37.5°	1311.6	1304.2	1289.3	1280.0	1278.2
40°	1242.9	1233.6	1218.7	1211.3	1209.4
42.5°	1174.1	1164.8	1150.0	1140.7	1138.8
45°	1103.5	1096.1	1077.5	1068.2	1068.2
47.5°	1036.6	1021.8	1005.1	997.6	995.8
50°	964.2	951.2	932.6	925.2	925.2
52.5°	891.7	882.4	862.0	858.3	854.6
55°	821.1	806.3	791.4	782.1	780.3
57.5°	745.0	732.0	717.1	709.7	709.7
60°	679.9	663.2	650.2	640.9	640.9
62.5°	605.6	590.8	577.8	572.2	570.3
65°	535.0	523.9	509.0	503.5	503.5
67.5°	464.4	455.2	442.2	436.6	438.4
70°	395.7	390.1	380.8	373.4	371.6
72.5°	332.5	325.1	315.8	314.0	314.0
75°	273.1	263.8	256.4	252.7	258.2
77.5°	211.8	206.2	202.5	200.6	202.5
80°	157.9	150.5	148.6	150.5	150.5
82.5°	109.6	105.9	104.0	104.0	104.0
85°	61.3	61.3	59.4	57.6	55.7
87.5°	24.2	24.2	26.0	26.0	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)