

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: P601132

Luminaire Tested: 22D3X-LP-60-L935

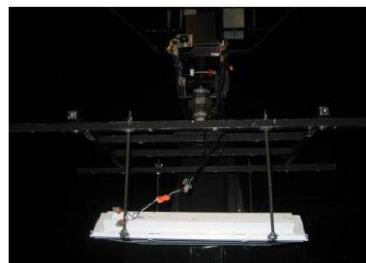
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601132  
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-60-L935  
Description: 2x2 D3X-LP AT 6000LM 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

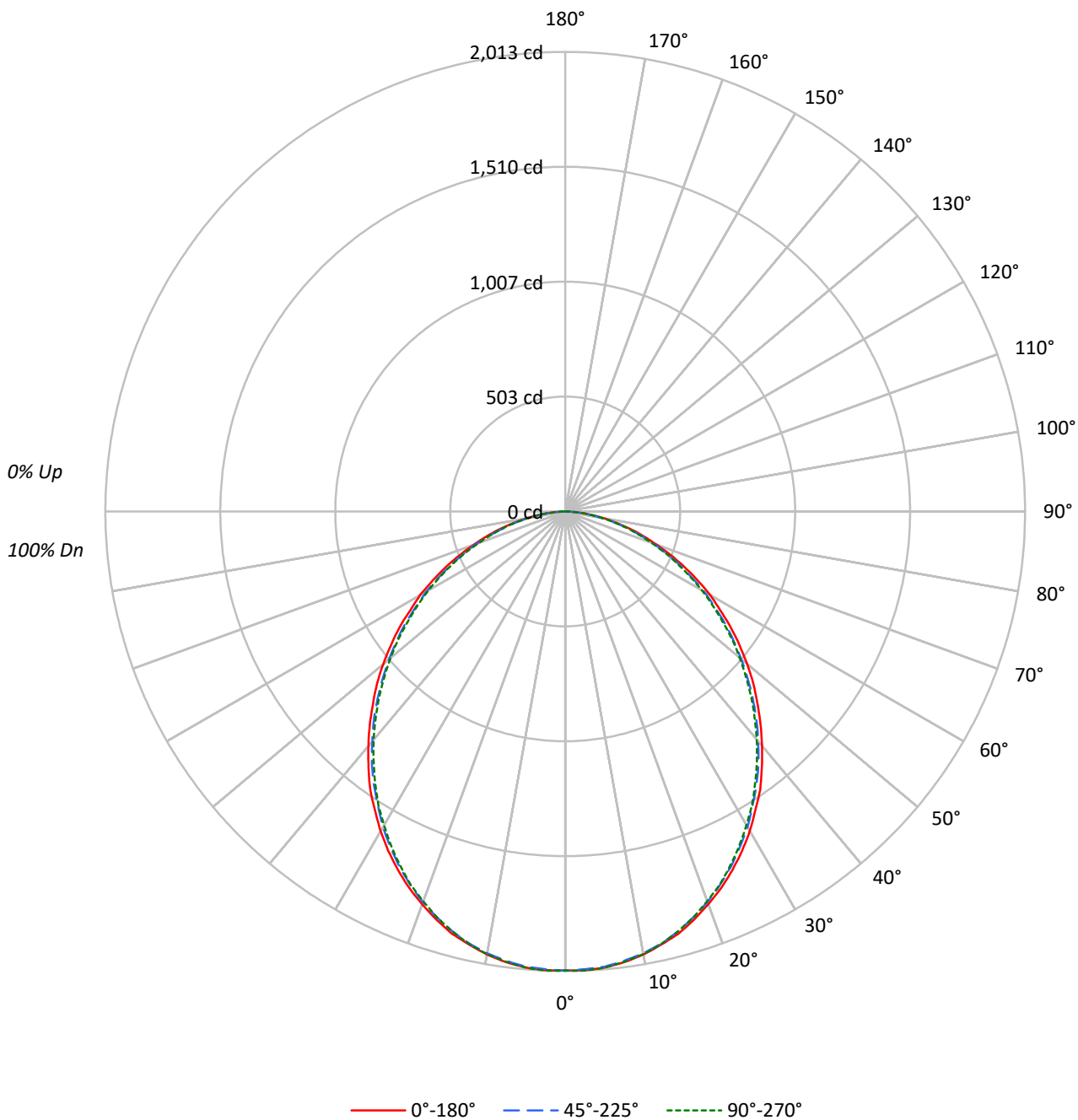
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5025.0 lumens  
Efficiency: N/A  
Efficacy: 95.7 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): 52.5  
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°	5411	5411	5411
5°	5416	5405	5416
10°	5385	5369	5380
15°	5334	5306	5306
20°	5242	5214	5202
25°	5144	5097	5078
30°	5022	4960	4929
35°	4889	4797	4764
40°	4707	4615	4580
45°	4528	4421	4383
50°	4352	4209	4176
55°	4153	4003	3947
60°	3945	3773	3719
65°	3673	3494	3456
70°	3356	3231	3152
75°	3061	2874	2895
80°	2638	2483	2514
85°	2041	1979	1856

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4528 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.9	3.8
10°-20°	537.1	10.7
20°-30°	791.0	15.7
30°-40°	915.1	18.2
40°-50°	899.6	17.9
50°-60°	766.7	15.3
60°-70°	549.3	10.9
70°-80°	298.4	5.9
80°-90°	77.8	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°	1518.1	30.2
0°-40°	2433.2	48.4
0°-60°	4099.5	81.6
0°-90°	5025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5025.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2011	2011	2011	2011	2011	
5°	2005	2001	2001	2001	2005	190
15°	1915	1907	1905	1903	1905	539
25°	1732	1724	1716	1712	1710	797
35°	1488	1476	1460	1452	1450	928
45°	1190	1182	1162	1152	1152	919
55°	885	869	853	843	841	790
65°	577	565	549	543	543	571
75°	294	284	276	272	278	311
85°	66	66	64	62	60	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2010.9	2010.9	2010.9	2010.9	2010.9
2.5°	2010.9	2008.9	2006.9	2008.9	2012.9
5°	2004.9	2000.9	2000.9	2000.9	2004.9
7.5°	1990.9	1986.8	1984.8	1986.8	1988.8
10°	1970.8	1966.8	1964.8	1966.8	1968.8
12.5°	1942.8	1940.8	1938.8	1938.8	1940.8
15°	1914.7	1906.7	1904.7	1902.7	1904.7
17.5°	1874.7	1872.7	1864.7	1864.7	1864.7
20°	1830.6	1826.6	1820.6	1816.6	1816.6
22.5°	1784.6	1780.6	1770.5	1766.5	1768.5
25°	1732.5	1724.5	1716.5	1712.5	1710.4
27.5°	1676.4	1668.4	1656.4	1650.4	1650.4
30°	1616.3	1610.3	1596.3	1588.3	1586.3
32.5°	1550.2	1546.2	1526.2	1522.2	1522.2
35°	1488.1	1476.1	1460.1	1452.1	1450.1
37.5°	1414.0	1406.0	1390.0	1380.0	1378.0
40°	1339.9	1329.9	1313.9	1305.9	1303.9
42.5°	1265.8	1255.8	1239.8	1229.8	1227.8
45°	1189.7	1181.7	1161.7	1151.6	1151.6
47.5°	1117.6	1101.6	1083.6	1075.5	1073.5
50°	1039.5	1025.5	1005.4	997.4	997.4
52.5°	961.4	951.4	929.3	925.3	921.3
55°	885.3	869.2	853.2	843.2	841.2
57.5°	803.2	789.1	773.1	765.1	765.1
60°	733.0	715.0	701.0	691.0	691.0
62.5°	652.9	636.9	622.9	616.9	614.9
65°	576.8	564.8	548.8	542.8	542.8
67.5°	500.7	490.7	476.7	470.7	472.7
70°	426.6	420.6	410.6	402.6	400.6
72.5°	358.5	350.5	340.5	338.5	338.5
75°	294.4	284.4	276.4	272.4	278.4
77.5°	228.3	222.3	218.3	216.3	218.3
80°	170.2	162.2	160.2	162.2	162.2
82.5°	118.2	114.2	112.2	112.2	112.2
85°	66.1	66.1	64.1	62.1	60.1
87.5°	26.0	26.0	28.0	28.0	30.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)