

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: P601220

Luminaire Tested: 14D3X-LP-25-L935

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-25-L935  
Description: 1x4 D3X-LP AT 2500lm 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

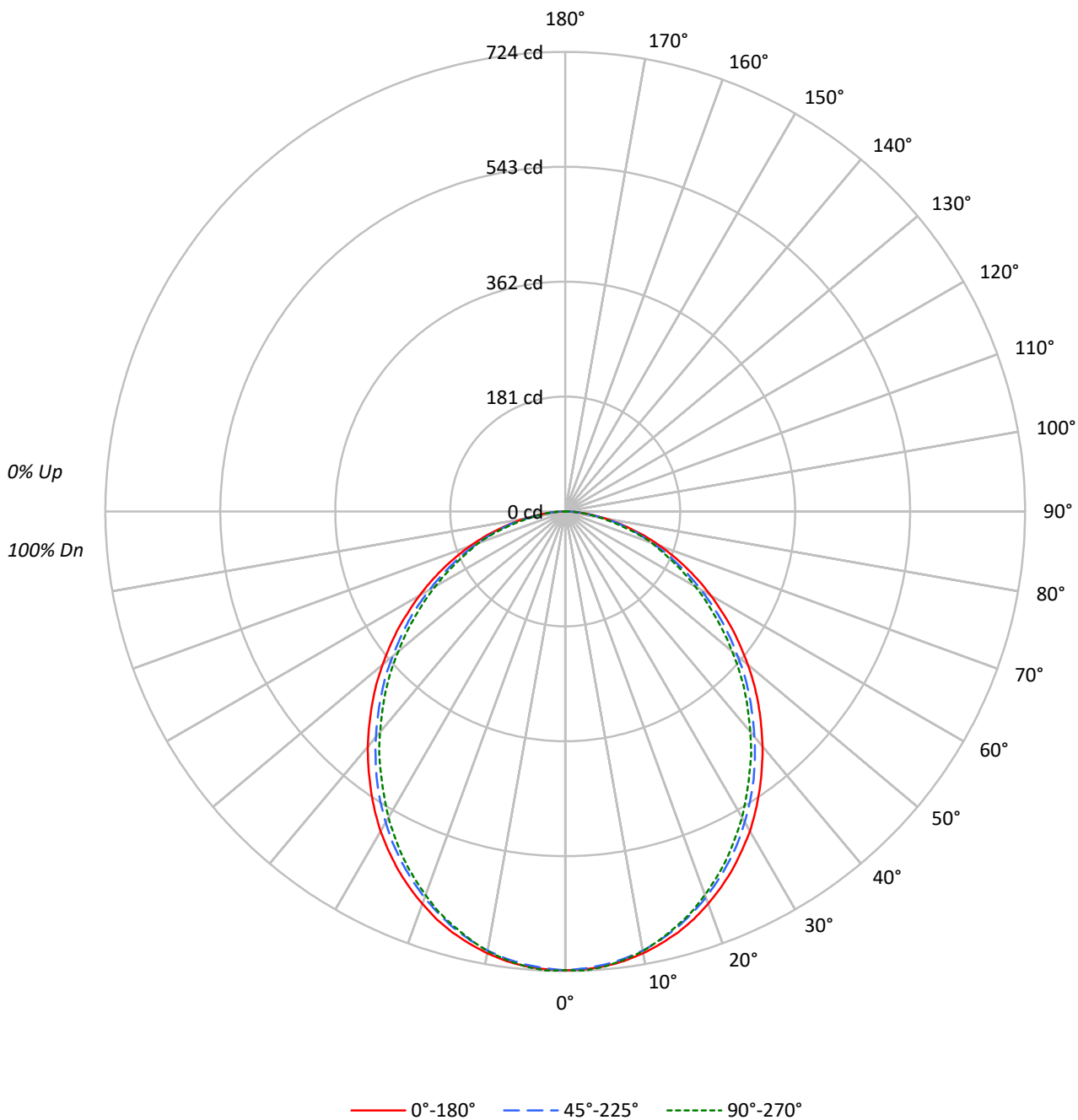
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1788.0 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.7  
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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	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	35
8	62	48	40	34	60	48	40	34	46	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°	1945	1945	1945
5°	1942	1936	1943
10°	1931	1920	1922
15°	1913	1892	1885
20°	1884	1854	1841
25°	1849	1809	1790
30°	1808	1756	1730
35°	1753	1698	1661
40°	1698	1629	1592
45°	1637	1559	1521
50°	1571	1482	1435
55°	1502	1412	1352
60°	1425	1326	1273
65°	1344	1242	1189
70°	1250	1158	1143
75°	1124	1071	993
80°	990	925	852
85°	800	800	784

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1637 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.1	3.8
10°-20°	191.7	10.7
20°-30°	281.1	15.7
30°-40°	323.8	18.1
40°-50°	317.8	17.8
50°-60°	270.4	15.1
60°-70°	195.5	10.9
70°-80°	109.2	6.1
80°-90°	30.4	1.7
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°	541.0	30.3
0°-40°	864.8	48.4
0°-60°	1452.9	81.3
0°-90°	1788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1788.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	719	719	717	719	719	68
15°	686	684	679	678	677	193
25°	623	617	609	605	603	287
35°	534	527	517	509	506	334
45°	430	422	410	402	400	332
55°	320	312	301	292	288	286
65°	211	206	195	188	187	209
75°	108	107	103	97	96	116
85°	26	27	26	25	25	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	722.7	722.7	722.7	722.7	722.7
2.5°	721.8	721.8	720.4	723.2	723.7
5°	719.0	719.0	716.6	719.0	719.4
7.5°	714.3	713.3	710.5	712.4	712.4
10°	706.7	705.8	702.5	703.0	703.4
12.5°	697.3	695.9	691.7	691.2	690.7
15°	686.5	684.2	679.0	678.0	676.6
17.5°	673.3	670.1	663.9	662.5	661.6
20°	657.8	653.6	647.5	644.2	642.8
22.5°	640.9	636.2	628.7	625.4	623.5
25°	622.6	617.4	609.4	604.7	602.8
27.5°	602.3	596.7	588.2	582.1	579.8
30°	581.7	574.6	565.2	559.1	556.7
32.5°	558.1	550.6	541.7	534.2	530.9
35°	533.7	526.6	516.8	508.8	505.5
37.5°	508.8	502.2	490.4	483.4	481.0
40°	483.4	475.9	463.6	455.2	453.3
42.5°	456.6	450.0	436.4	429.3	426.0
45°	430.2	421.8	409.6	401.6	399.7
47.5°	403.4	394.0	383.2	374.3	371.9
50°	375.2	366.8	354.1	346.1	342.8
52.5°	347.5	340.0	327.3	318.3	316.0
55°	320.2	311.8	300.9	292.5	288.2
57.5°	291.5	284.9	273.7	265.7	262.4
60°	264.7	257.2	246.4	239.8	236.5
62.5°	237.5	229.9	221.0	213.9	211.1
65°	211.1	205.5	195.1	187.6	186.7
67.5°	184.8	180.1	171.2	163.6	164.1
70°	158.9	154.7	147.2	142.5	145.3
72.5°	134.5	132.1	123.7	120.4	121.8
75°	108.1	106.7	103.0	96.9	95.5
77.5°	86.0	87.0	82.8	75.2	73.4
80°	63.9	66.3	59.7	57.4	55.0
82.5°	44.2	47.5	41.8	40.0	39.0
85°	25.9	27.3	25.9	25.4	25.4
87.5°	10.8	12.7	12.7	13.2	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)