

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: P601091

Luminaire Tested: 22D3X-LP-25-L940

Issue Date: 10/5/2023

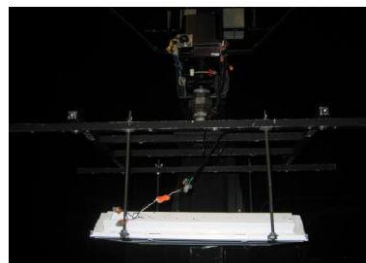
Test Information

Test Method: LM-79-2019
Report Number: P601091
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-L940
Description: 2x2 D3X-LP AT 2500LM 4000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

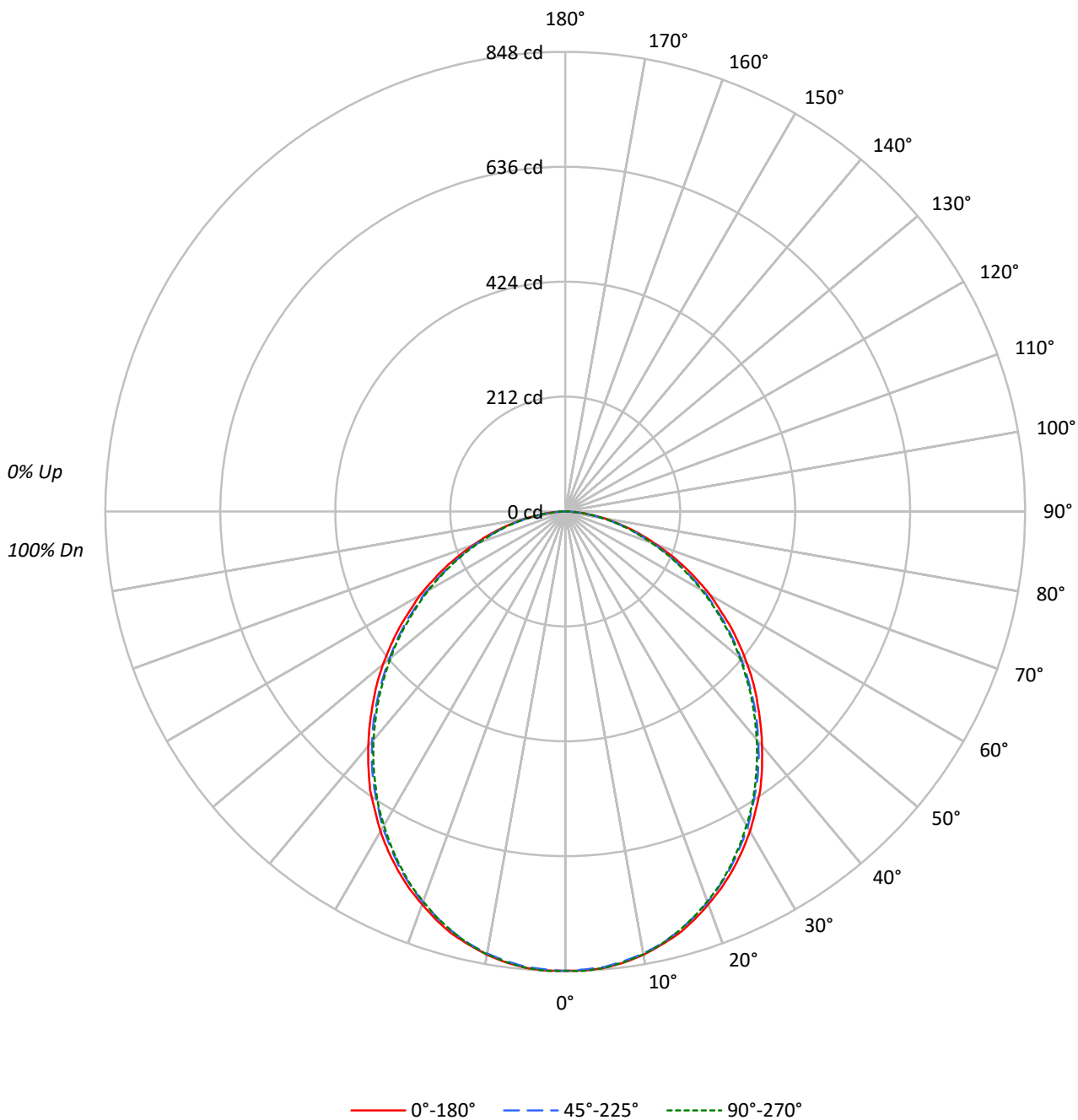
Lumens per Lamp: N/A
Luminaire Lumens: 2118.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P601091
CATALOG NUMBER: 22D3X-LP-25-L940

Luminous Intensity Polar Plot





TEST NUMBER: P601091
 CATALOG NUMBER: 22D3X-LP-25-L940

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°	2281	2281	2281
5°	2283	2278	2283
10°	2270	2263	2267
15°	2248	2237	2237
20°	2210	2198	2193
25°	2168	2148	2140
30°	2117	2091	2078
35°	2060	2022	2008
40°	1984	1945	1931
45°	1909	1863	1847
50°	1834	1774	1760
55°	1750	1687	1664
60°	1663	1590	1567
65°	1548	1473	1457
70°	1415	1362	1328
75°	1290	1211	1220
80°	1113	1046	1060
85°	861	834	781

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1909 cd/sqm



TEST NUMBER: P601091
 CATALOG NUMBER: 22D3X-LP-25-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	3.8
10°-20°	226.4	10.7
20°-30°	333.4	15.7
30°-40°	385.7	18.2
40°-50°	379.2	17.9
50°-60°	323.2	15.3
60°-70°	231.5	10.9
70°-80°	125.8	5.9
80°-90°	32.8	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°	639.9	30.2
0°-40°	1025.5	48.4
0°-60°	1727.9	81.6
0°-90°	2118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	845	843	843	843	845	80
15°	807	804	803	802	803	227
25°	730	727	724	722	721	336
35°	627	622	615	612	611	391
45°	502	498	490	485	485	387
55°	373	366	360	355	355	333
65°	243	238	231	229	229	241
75°	124	120	116	115	117	131
85°	28	28	27	26	25	34
90°	0	0	0	0	0	



TEST NUMBER: P601091
 CATALOG NUMBER: 22D3X-LP-25-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	847.6	847.6	847.6	847.6	847.6
2.5°	847.6	846.7	845.9	846.7	848.4
5°	845.0	843.3	843.3	843.3	845.0
7.5°	839.1	837.4	836.6	837.4	838.3
10°	830.7	829.0	828.2	829.0	829.8
12.5°	818.9	818.0	817.2	817.2	818.0
15°	807.0	803.7	802.8	802.0	802.8
17.5°	790.2	789.3	785.9	785.9	785.9
20°	771.6	769.9	767.4	765.7	765.7
22.5°	752.2	750.5	746.3	744.6	745.4
25°	730.2	726.9	723.5	721.8	720.9
27.5°	706.6	703.2	698.1	695.6	695.6
30°	681.3	678.7	672.8	669.4	668.6
32.5°	653.4	651.7	643.3	641.6	641.6
35°	627.2	622.2	615.4	612.0	611.2
37.5°	596.0	592.6	585.9	581.6	580.8
40°	564.8	560.5	553.8	550.4	549.6
42.5°	533.5	529.3	522.6	518.3	517.5
45°	501.5	498.1	489.6	485.4	485.4
47.5°	471.1	464.3	456.7	453.3	452.5
50°	438.1	432.2	423.8	420.4	420.4
52.5°	405.2	401.0	391.7	390.0	388.3
55°	373.1	366.4	359.6	355.4	354.6
57.5°	338.5	332.6	325.9	322.5	322.5
60°	309.0	301.4	295.5	291.2	291.2
62.5°	275.2	268.5	262.5	260.0	259.2
65°	243.1	238.1	231.3	228.8	228.8
67.5°	211.0	206.8	200.9	198.4	199.2
70°	179.8	177.3	173.1	169.7	168.8
72.5°	151.1	147.7	143.5	142.7	142.7
75°	124.1	119.9	116.5	114.8	117.3
77.5°	96.2	93.7	92.0	91.2	92.0
80°	71.8	68.4	67.5	68.4	68.4
82.5°	49.8	48.1	47.3	47.3	47.3
85°	27.9	27.9	27.0	26.2	25.3
87.5°	11.0	11.0	11.8	11.8	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)