

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: P601126

Luminaire Tested: 22D3X-LP-55-L935

Issue Date: 10/5/2023

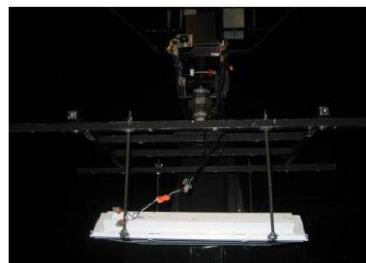
Test Information

Test Method: LM-79-2019
Report Number: P601126
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-L935
Description: 2x2 D3X-LP AT 5500LM 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

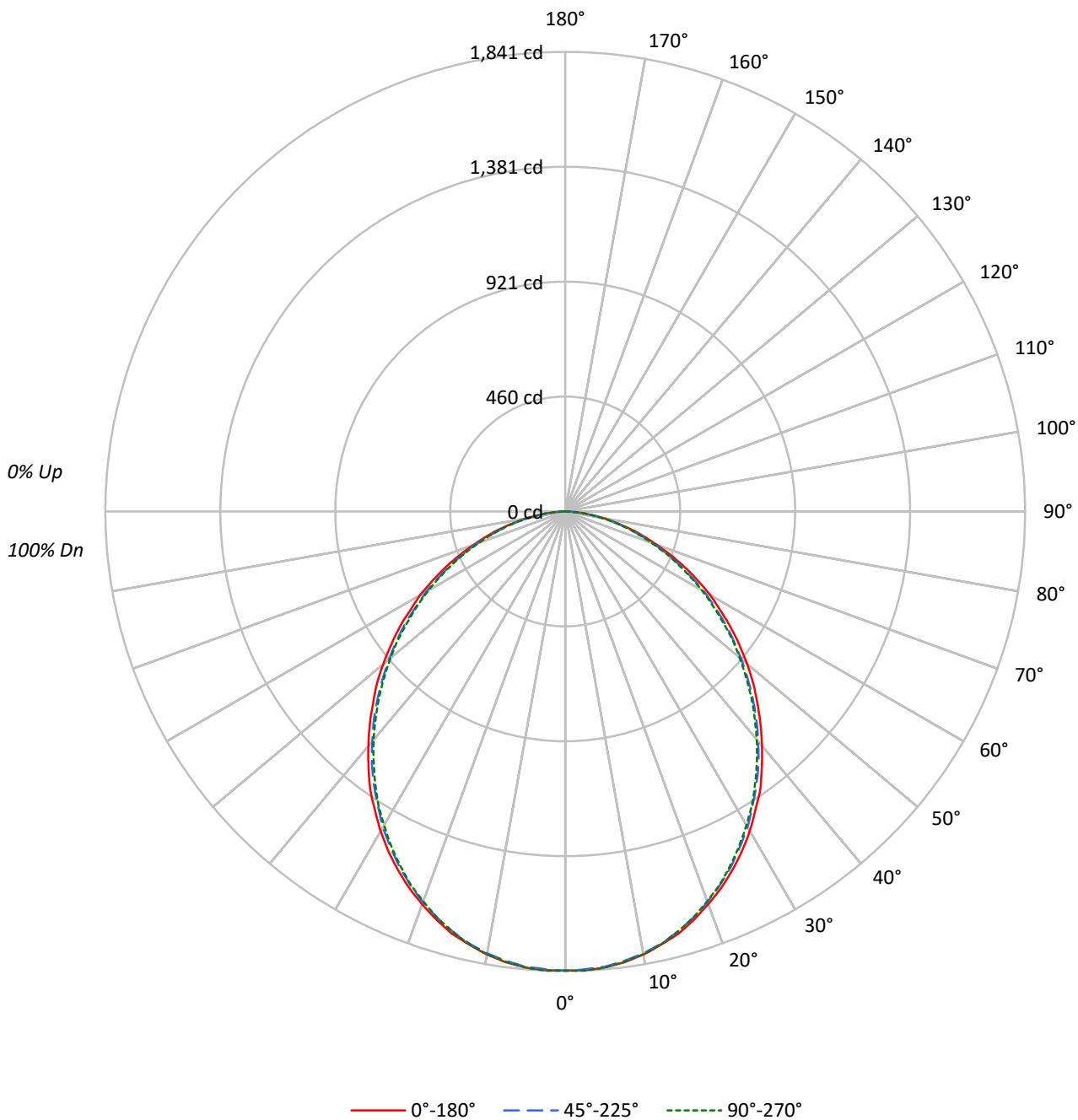
Lumens per Lamp: N/A
Luminaire Lumens: 4596.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4949	4949	4949
5°	4953	4943	4953
10°	4926	4911	4920
15°	4879	4853	4853
20°	4795	4769	4758
25°	4705	4661	4645
30°	4593	4537	4508
35°	4471	4387	4357
40°	4305	4221	4189
45°	4141	4043	4008
50°	3980	3850	3819
55°	3799	3661	3610
60°	3609	3451	3401
65°	3359	3196	3161
70°	3070	2954	2883
75°	2800	2628	2647
80°	2413	2272	2300
85°	1868	1809	1698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4141 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.7	3.8
10°-20°	491.2	10.7
20°-30°	723.5	15.7
30°-40°	836.9	18.2
40°-50°	822.8	17.9
50°-60°	701.2	15.3
60°-70°	502.4	10.9
70°-80°	272.9	5.9
80°-90°	71.2	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°	1388.5	30.2
0°-40°	2225.4	48.4
0°-60°	3749.5	81.6
0°-90°	4596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1839	1839	1839	1839	1839	
5°	1834	1830	1830	1830	1834	174
15°	1751	1744	1742	1740	1742	493
25°	1585	1577	1570	1566	1564	729
35°	1361	1350	1335	1328	1326	849
45°	1088	1081	1062	1053	1053	841
55°	810	795	780	771	769	723
65°	528	517	502	496	496	523
75°	269	260	253	249	255	284
85°	60	60	59	57	55	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1839.2	1839.2	1839.2	1839.2	1839.2
2.5°	1839.2	1837.4	1835.5	1837.4	1841.0
5°	1833.7	1830.0	1830.0	1830.0	1833.7
7.5°	1820.9	1817.2	1815.4	1817.2	1819.1
10°	1802.6	1798.9	1797.1	1798.9	1800.7
12.5°	1776.9	1775.1	1773.3	1773.3	1775.1
15°	1751.3	1743.9	1742.1	1740.3	1742.1
17.5°	1714.6	1712.8	1705.5	1705.5	1705.5
20°	1674.3	1670.7	1665.2	1661.5	1661.5
22.5°	1632.2	1628.5	1619.4	1615.7	1617.5
25°	1584.6	1577.2	1569.9	1566.3	1564.4
27.5°	1533.3	1526.0	1515.0	1509.5	1509.5
30°	1478.3	1472.8	1460.0	1452.7	1450.8
32.5°	1417.9	1414.2	1395.9	1392.2	1392.2
35°	1361.1	1350.1	1335.4	1328.1	1326.3
37.5°	1293.3	1286.0	1271.3	1262.2	1260.3
40°	1225.5	1216.4	1201.7	1194.4	1192.6
42.5°	1157.7	1148.6	1133.9	1124.8	1122.9
45°	1088.1	1080.8	1062.5	1053.3	1053.3
47.5°	1022.2	1007.5	991.0	983.7	981.9
50°	950.7	937.9	919.6	912.3	912.3
52.5°	879.3	870.1	850.0	846.3	842.7
55°	809.7	795.0	780.4	771.2	769.4
57.5°	734.6	721.8	707.1	699.8	699.8
60°	670.5	654.0	641.2	632.0	632.0
62.5°	597.2	582.5	569.7	564.2	562.4
65°	527.6	516.6	501.9	496.4	496.4
67.5°	458.0	448.8	436.0	430.5	432.3
70°	390.2	384.7	375.5	368.2	366.4
72.5°	327.9	320.6	311.4	309.6	309.6
75°	269.3	260.1	252.8	249.1	254.6
77.5°	208.8	203.3	199.7	197.8	199.7
80°	155.7	148.4	146.6	148.4	148.4
82.5°	108.1	104.4	102.6	102.6	102.6
85°	60.5	60.5	58.6	56.8	55.0
87.5°	23.8	23.8	25.6	25.6	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)