

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: P601083

Luminaire Tested: 22D3X-LP-20-L930

Issue Date: 10/5/2023

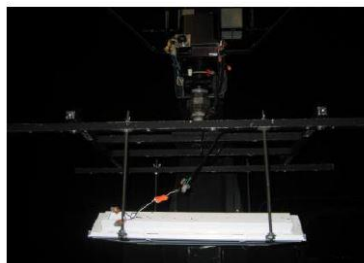
Test Information

Test Method: LM-79-2019
Report Number: P601083
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-20-L930
Description: 2x2 D3X-LP AT 2000LM 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

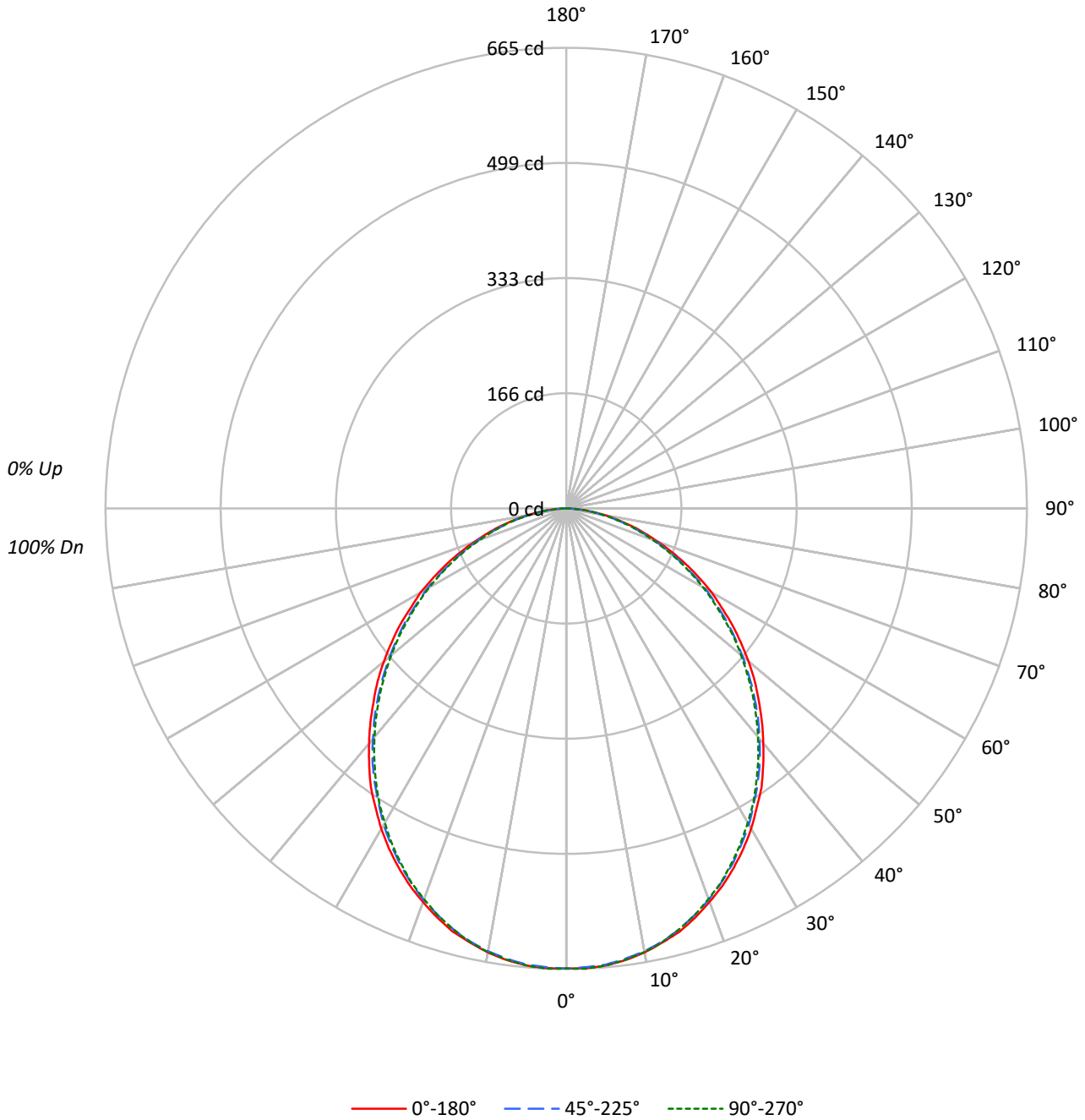
Lumens per Lamp: N/A
Luminaire Lumens: 1660.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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°	1788	1788	1788
5°	1789	1786	1789
10°	1779	1774	1777
15°	1762	1753	1753
20°	1732	1722	1718
25°	1699	1684	1678
30°	1659	1638	1628
35°	1615	1584	1574
40°	1555	1525	1513
45°	1496	1461	1448
50°	1438	1390	1379
55°	1372	1323	1304
60°	1304	1246	1229
65°	1214	1154	1142
70°	1109	1067	1041
75°	1012	949	957
80°	871	820	831
85°	673	655	611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1496 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.8
10°-20°	177.4	10.7
20°-30°	261.3	15.7
30°-40°	302.3	18.2
40°-50°	297.2	17.9
50°-60°	253.3	15.3
60°-70°	181.5	10.9
70°-80°	98.6	5.9
80°-90°	25.7	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°	501.5	30.2
0°-40°	803.8	48.4
0°-60°	1354.2	81.6
0°-90°	1660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	662	661	661	661	662	63
15°	632	630	629	629	629	178
25°	572	570	567	566	565	263
35°	492	488	482	480	479	307
45°	393	390	384	380	380	304
55°	292	287	282	279	278	261
65°	191	187	181	179	179	189
75°	97	94	91	90	92	103
85°	22	22	21	20	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.3	664.3	664.3	664.3	664.3
2.5°	664.3	663.6	663.0	663.6	665.0
5°	662.3	661.0	661.0	661.0	662.3
7.5°	657.7	656.4	655.7	656.4	657.0
10°	651.1	649.7	649.1	649.7	650.4
12.5°	641.8	641.1	640.5	640.5	641.1
15°	632.5	629.9	629.2	628.6	629.2
17.5°	619.3	618.6	616.0	616.0	616.0
20°	604.7	603.4	601.4	600.1	600.1
22.5°	589.5	588.2	584.9	583.6	584.2
25°	572.3	569.7	567.0	565.7	565.0
27.5°	553.8	551.1	547.2	545.2	545.2
30°	533.9	532.0	527.3	524.7	524.0
32.5°	512.1	510.8	504.2	502.8	502.8
35°	491.6	487.6	482.3	479.7	479.0
37.5°	467.1	464.5	459.2	455.9	455.2
40°	442.6	439.3	434.0	431.4	430.7
42.5°	418.2	414.9	409.6	406.2	405.6
45°	393.0	390.4	383.8	380.4	380.4
47.5°	369.2	363.9	357.9	355.3	354.6
50°	343.4	338.8	332.1	329.5	329.5
52.5°	317.6	314.3	307.0	305.7	304.4
55°	292.4	287.2	281.9	278.6	277.9
57.5°	265.3	260.7	255.4	252.7	252.7
60°	242.2	236.2	231.6	228.3	228.3
62.5°	215.7	210.4	205.8	203.8	203.1
65°	190.6	186.6	181.3	179.3	179.3
67.5°	165.4	162.1	157.5	155.5	156.1
70°	140.9	138.9	135.6	133.0	132.3
72.5°	118.4	115.8	112.5	111.8	111.8
75°	97.3	94.0	91.3	90.0	92.0
77.5°	75.4	73.4	72.1	71.5	72.1
80°	56.2	53.6	52.9	53.6	53.6
82.5°	39.0	37.7	37.1	37.1	37.1
85°	21.8	21.8	21.2	20.5	19.8
87.5°	8.6	8.6	9.3	9.3	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)