

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: P601096

Luminaire Tested: 22D3X-LP-30-L935

Issue Date: 10/5/2023

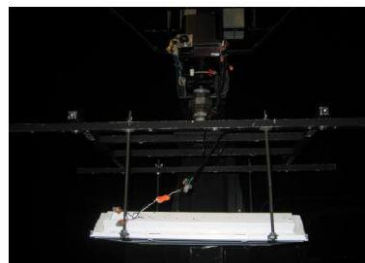
Test Information

Test Method: LM-79-2019
Report Number: P601096
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-30-L935
Description: 2x2 D3X-LP AT 3000LM 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

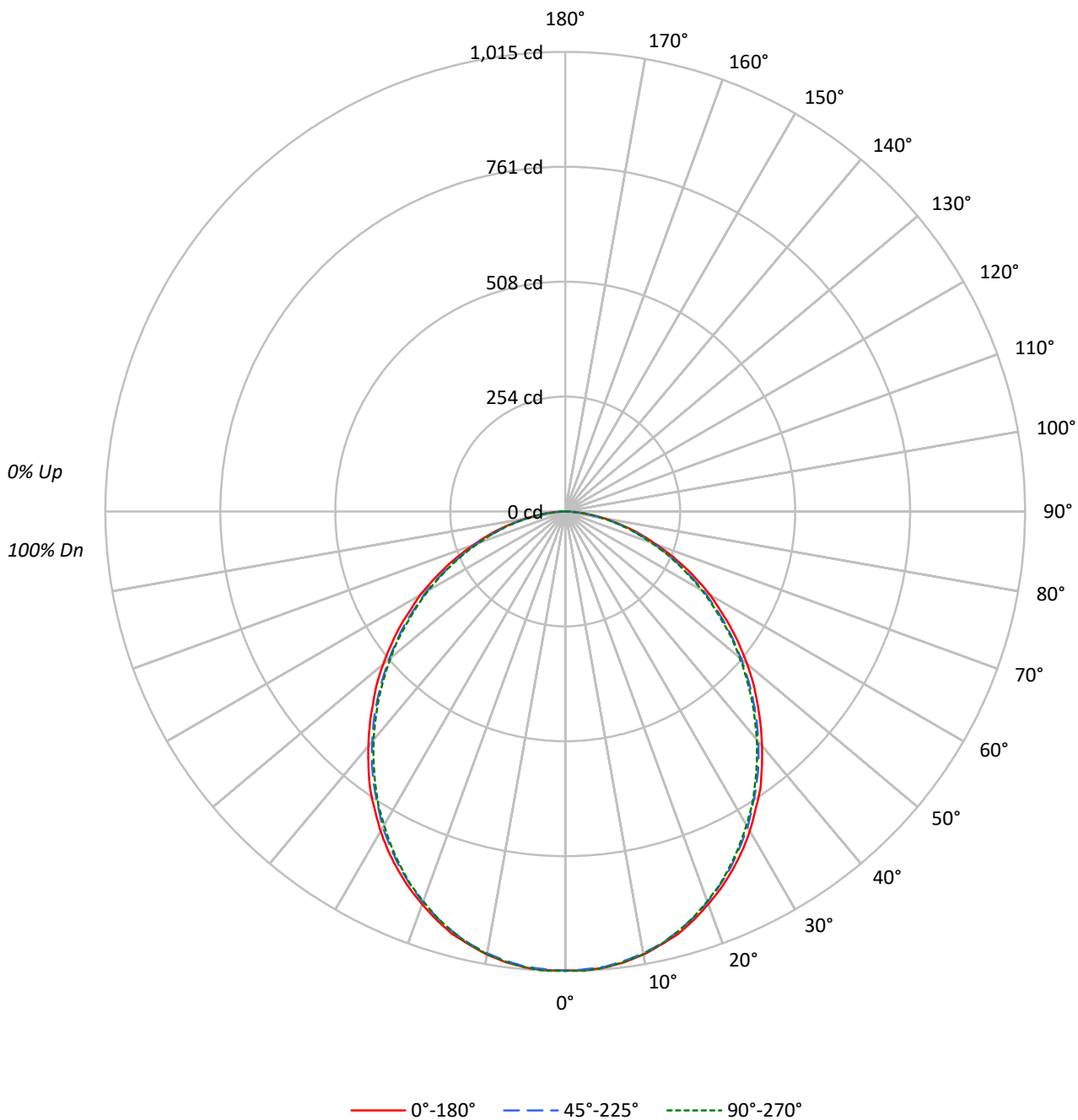
Lumens per Lamp: N/A
Luminaire Lumens: 2534.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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: P601096
CATALOG NUMBER: 22D3X-LP-30-L935

Luminous Intensity Polar Plot





TEST NUMBER: P601096
 CATALOG NUMBER: 22D3X-LP-30-L935

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°	2729	2729	2729
5°	2731	2726	2731
10°	2716	2707	2713
15°	2690	2676	2676
20°	2643	2629	2623
25°	2594	2570	2561
30°	2533	2501	2486
35°	2465	2419	2402
40°	2374	2328	2310
45°	2283	2229	2210
50°	2195	2123	2106
55°	2094	2019	1990
60°	1990	1903	1876
65°	1852	1762	1743
70°	1692	1629	1589
75°	1544	1449	1460
80°	1331	1252	1268
85°	1028	997	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2283 cd/sqm



TEST NUMBER: P601096
 CATALOG NUMBER: 22D3X-LP-30-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	3.8
10°-20°	270.8	10.7
20°-30°	398.9	15.7
30°-40°	461.4	18.2
40°-50°	453.7	17.9
50°-60°	386.6	15.3
60°-70°	277.0	10.9
70°-80°	150.5	5.9
80°-90°	39.2	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°	765.5	30.2
0°-40°	1227.0	48.4
0°-60°	2067.3	81.6
0°-90°	2534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	1011	1009	1009	1009	1011	96
15°	966	962	960	960	960	272
25°	874	870	866	864	862	402
35°	750	744	736	732	731	468
45°	600	596	586	581	581	463
55°	446	438	430	425	424	399
65°	291	285	277	274	274	288
75°	148	143	139	137	140	157
85°	33	33	32	31	30	41
90°	0	0	0	0	0	



TEST NUMBER: P601096
 CATALOG NUMBER: 22D3X-LP-30-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1014.0	1014.0	1014.0	1014.0	1014.0
2.5°	1014.0	1013.0	1012.0	1013.0	1015.1
5°	1011.0	1009.0	1009.0	1009.0	1011.0
7.5°	1003.9	1001.9	1000.9	1001.9	1002.9
10°	993.8	991.8	990.8	991.8	992.8
12.5°	979.7	978.7	977.7	977.7	978.7
15°	965.6	961.5	960.5	959.5	960.5
17.5°	945.4	944.4	940.3	940.3	940.3
20°	923.1	921.1	918.1	916.1	916.1
22.5°	899.9	897.9	892.8	890.8	891.8
25°	873.7	869.6	865.6	863.6	862.5
27.5°	845.4	841.3	835.3	832.2	832.2
30°	815.1	812.0	805.0	800.9	799.9
32.5°	781.7	779.7	769.6	767.6	767.6
35°	750.4	744.4	736.3	732.3	731.2
37.5°	713.1	709.0	700.9	695.9	694.9
40°	675.7	670.6	662.6	658.5	657.5
42.5°	638.3	633.3	625.2	620.1	619.1
45°	599.9	595.9	585.8	580.8	580.8
47.5°	563.6	555.5	546.4	542.4	541.4
50°	524.2	517.1	507.0	503.0	503.0
52.5°	484.8	479.8	468.6	466.6	464.6
55°	446.4	438.3	430.3	425.2	424.2
57.5°	405.0	397.9	389.9	385.8	385.8
60°	369.7	360.6	353.5	348.5	348.5
62.5°	329.3	321.2	314.1	311.1	310.1
65°	290.9	284.8	276.7	273.7	273.7
67.5°	252.5	247.5	240.4	237.4	238.4
70°	215.1	212.1	207.1	203.0	202.0
72.5°	180.8	176.8	171.7	170.7	170.7
75°	148.5	143.4	139.4	137.4	140.4
77.5°	115.1	112.1	110.1	109.1	110.1
80°	85.9	81.8	80.8	81.8	81.8
82.5°	59.6	57.6	56.6	56.6	56.6
85°	33.3	33.3	32.3	31.3	30.3
87.5°	13.1	13.1	14.1	14.1	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)