

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: P601095

Luminaire Tested: 22D3X-LP-30-L930

Issue Date: 10/5/2023

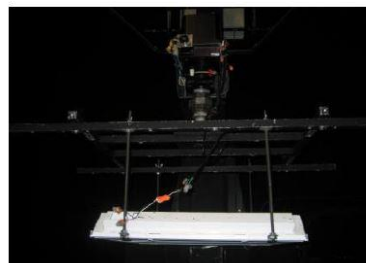
Test Information

Test Method: LM-79-2019
Report Number: P601095
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-L930
Description: 2x2 D3X-LP AT 3000LM 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

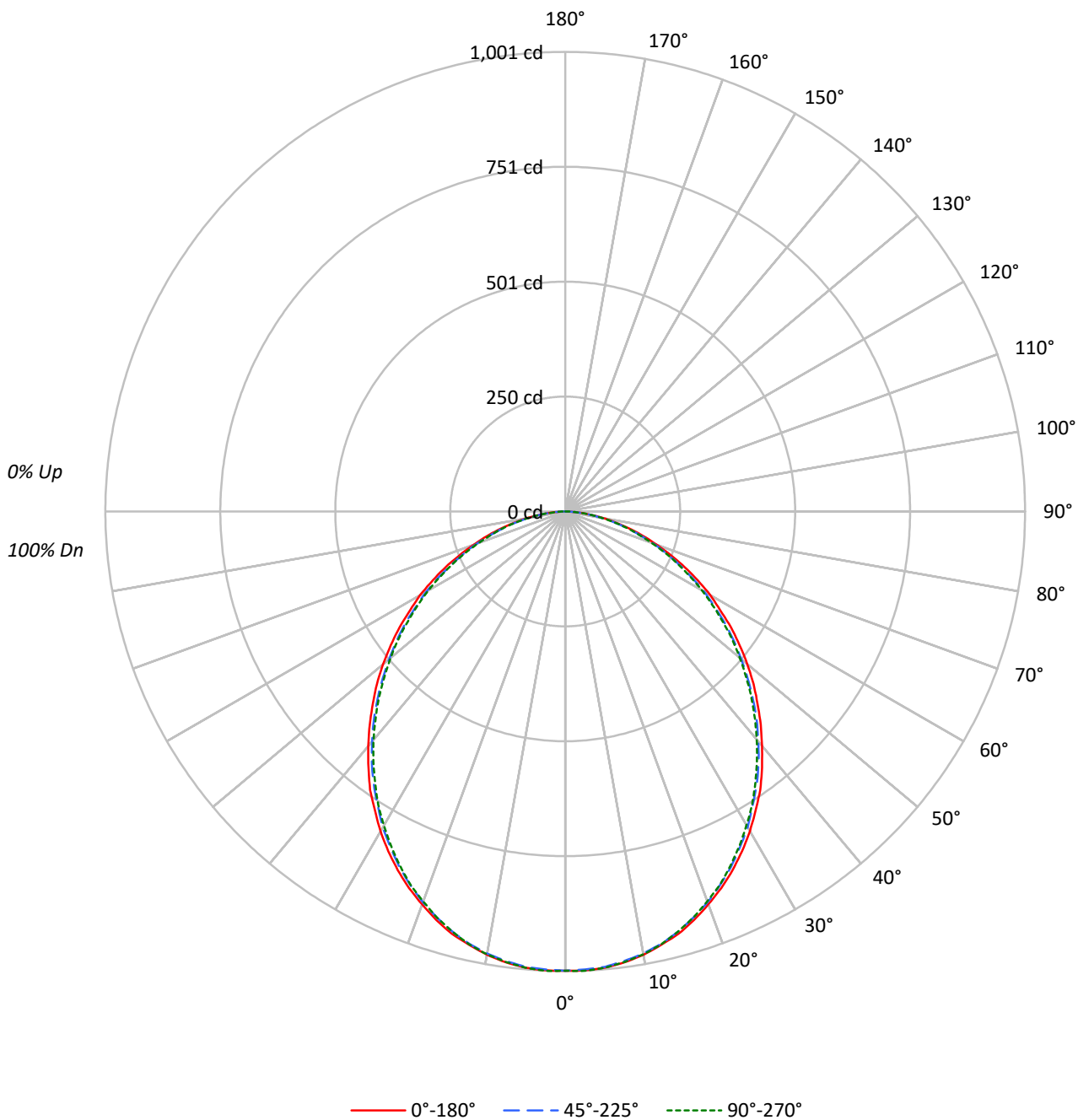
Lumens per Lamp: N/A
Luminaire Lumens: 2500.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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



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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°	2692	2692	2692
5°	2694	2689	2694
10°	2679	2671	2676
15°	2654	2640	2640
20°	2608	2594	2588
25°	2559	2536	2527
30°	2499	2468	2452
35°	2432	2386	2370
40°	2342	2296	2279
45°	2253	2199	2181
50°	2165	2094	2077
55°	2066	1992	1963
60°	1963	1877	1850
65°	1827	1738	1719
70°	1670	1607	1568
75°	1523	1430	1440
80°	1313	1235	1251
85°	1016	985	923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2253 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	3.8
10°-20°	267.2	10.7
20°-30°	393.6	15.7
30°-40°	455.3	18.2
40°-50°	447.6	17.9
50°-60°	381.4	15.3
60°-70°	273.3	10.9
70°-80°	148.4	5.9
80°-90°	38.7	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°	755.3	30.2
0°-40°	1210.5	48.4
0°-60°	2039.5	81.6
0°-90°	2500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	997	996	996	996	997	95
15°	953	949	948	947	948	268
25°	862	858	854	852	851	397
35°	740	734	726	722	721	462
45°	592	588	578	573	573	457
55°	440	432	424	420	418	393
65°	287	281	273	270	270	284
75°	146	142	138	136	138	155
85°	33	33	32	31	30	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1000.4	1000.4	1000.4	1000.4	1000.4
2.5°	1000.4	999.4	998.4	999.4	1001.4
5°	997.4	995.5	995.5	995.5	997.4
7.5°	990.5	988.5	987.5	988.5	989.5
10°	980.5	978.5	977.5	978.5	979.5
12.5°	966.6	965.6	964.6	964.6	965.6
15°	952.6	948.6	947.6	946.6	947.6
17.5°	932.7	931.7	927.7	927.7	927.7
20°	910.8	908.8	905.8	903.8	903.8
22.5°	887.8	885.8	880.9	878.9	879.9
25°	861.9	857.9	854.0	852.0	851.0
27.5°	834.0	830.0	824.1	821.1	821.1
30°	804.1	801.1	794.2	790.2	789.2
32.5°	771.3	769.3	759.3	757.3	757.3
35°	740.4	734.4	726.4	722.4	721.4
37.5°	703.5	699.5	691.5	686.6	685.6
40°	666.6	661.6	653.7	649.7	648.7
42.5°	629.8	624.8	616.8	611.8	610.8
45°	591.9	587.9	577.9	573.0	573.0
47.5°	556.0	548.0	539.1	535.1	534.1
50°	517.2	510.2	500.2	496.2	496.2
52.5°	478.3	473.3	462.4	460.4	458.4
55°	440.4	432.5	424.5	419.5	418.5
57.5°	399.6	392.6	384.6	380.6	380.6
60°	364.7	355.7	348.8	343.8	343.8
62.5°	324.8	316.9	309.9	306.9	305.9
65°	287.0	281.0	273.0	270.0	270.0
67.5°	249.1	244.1	237.2	234.2	235.2
70°	212.2	209.3	204.3	200.3	199.3
72.5°	178.4	174.4	169.4	168.4	168.4
75°	146.5	141.5	137.5	135.5	138.5
77.5°	113.6	110.6	108.6	107.6	108.6
80°	84.7	80.7	79.7	80.7	80.7
82.5°	58.8	56.8	55.8	55.8	55.8
85°	32.9	32.9	31.9	30.9	29.9
87.5°	13.0	13.0	14.0	14.0	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)