

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: METALUX

Report Number: P1526796

Luminaire Tested: 22CGTX-20HE-A125-L930

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-20HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

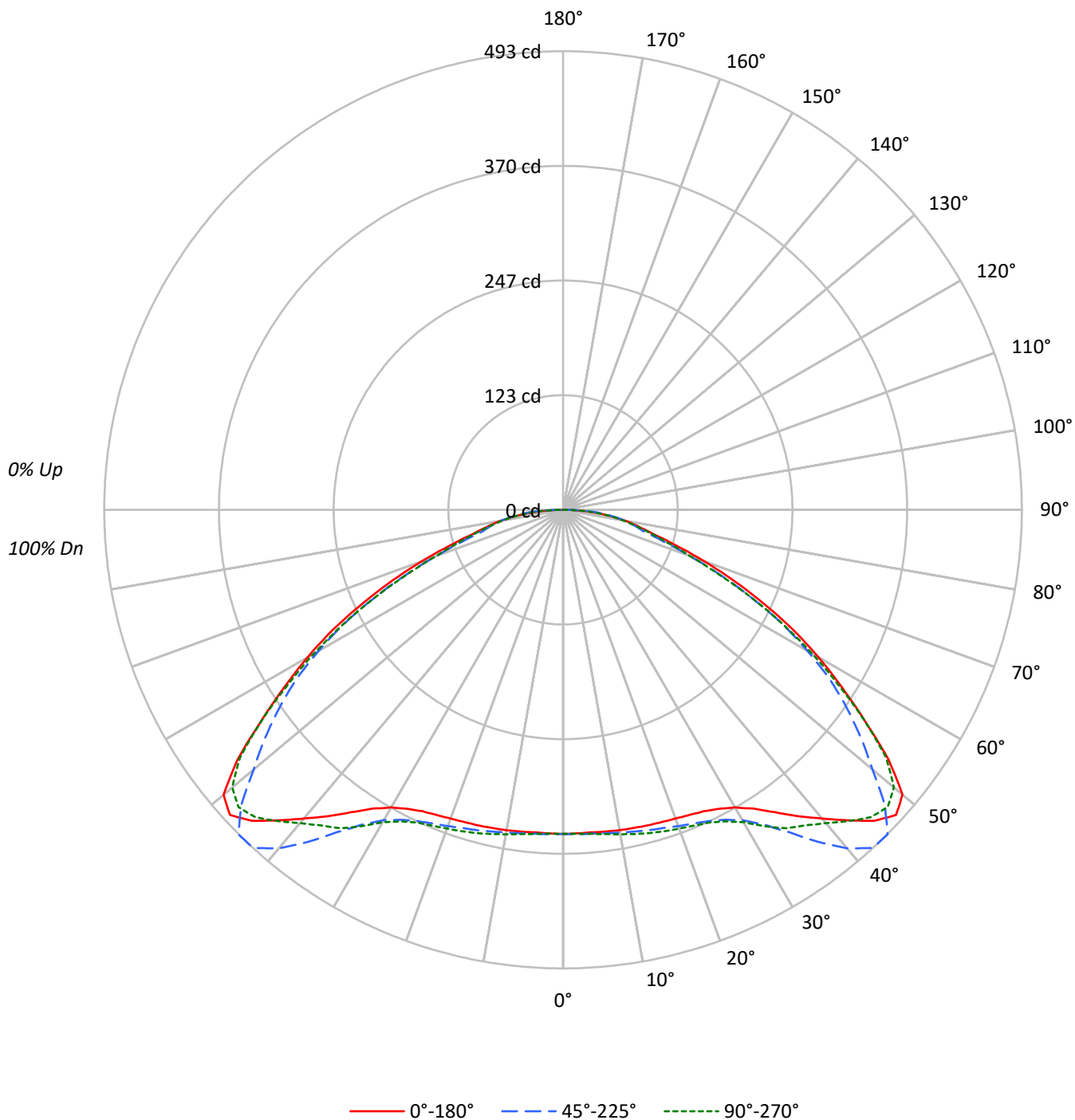
Lumens per Lamp: N/A
Luminaire Lumens: 1648.7 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1526796

CATALOG NUMBER: 22CGTX-20HE-A125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1526796

CATALOG NUMBER: 22CGTX-20HE-A125-L930

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	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69	67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57	55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48	46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41	38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35	33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30	28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26	24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23	21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	938	938	938
5°	940	944	945
10°	956	962	968
15°	979	993	1002
20°	1011	1036	1044
25°	1061	1097	1101
30°	1148	1197	1205
35°	1303	1389	1373
40°	1521	1668	1545
45°	1799	1877	1779
50°	1993	1816	1942
55°	1858	1749	1857
60°	1706	1632	1662
65°	1509	1424	1422
70°	1264	1139	1142
75°	1040	933	1006
80°	1057	1052	1009
85°	1037	1250	1059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 1993 cd/sqm

TEST NUMBER: P1526796

CATALOG NUMBER: 22CGTX-20HE-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	2.0
10°-20°	101.0	6.1
20°-30°	170.8	10.4
30°-40°	262.7	15.9
40°-50°	365.1	22.1
50°-60°	343.7	20.8
60°-70°	227.0	13.8
70°-80°	105.5	6.4
80°-90°	39.5	2.4
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°	305.3	18.5
0°-40°	568.0	34.5
0°-60°	1276.7	77.4
0°-90°	1648.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1648.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	348	348	348	348	348	
5°	348	349	349	350	350	33
15°	351	353	356	359	360	100
25°	358	362	369	372	371	166
35°	397	411	423	421	418	251
45°	473	490	493	481	467	362
55°	396	390	373	386	396	355
65°	237	235	224	227	223	235
75°	100	96	90	92	97	112
85°	34	39	40	39	34	37
90°	0	0	0	0	0	

TEST NUMBER: P1526796

CATALOG NUMBER: 22CGTX-20HE-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	348.4	348.4	348.4	348.4	348.4
2.5°	348.1	348.8	349.1	349.4	348.4
5°	348.1	349.1	349.4	350.0	349.7
7.5°	348.8	349.7	350.6	351.3	351.6
10°	349.7	350.6	352.2	354.1	354.1
12.5°	350.3	351.9	354.1	356.5	356.9
15°	351.3	352.8	356.5	359.0	359.7
17.5°	351.9	354.4	358.7	361.8	362.2
20°	353.1	355.9	361.8	364.6	364.6
22.5°	355.0	358.7	365.0	367.4	367.4
25°	357.5	362.2	369.3	371.5	370.9
27.5°	362.2	367.8	375.5	378.0	377.4
30°	369.3	376.8	385.2	388.3	387.7
32.5°	380.8	390.2	400.8	403.6	403.3
35°	396.7	410.7	422.9	421.3	417.9
37.5°	415.1	436.0	449.7	435.0	427.5
40°	433.1	461.5	474.9	451.2	439.7
42.5°	452.5	481.4	492.9	469.9	453.7
45°	472.7	489.5	493.2	481.4	467.4
47.5°	485.5	476.7	468.6	475.8	473.0
50°	476.1	446.9	433.8	447.5	464.0
52.5°	440.6	419.1	403.9	416.6	437.5
55°	396.1	390.5	372.7	385.5	395.8
57.5°	355.3	359.7	340.4	350.0	351.6
60°	317.0	320.1	303.3	311.4	308.9
62.5°	278.1	278.4	265.3	270.0	266.2
65°	237.0	234.8	223.6	227.0	223.3
67.5°	198.4	193.4	182.8	184.3	180.9
70°	160.7	154.8	144.8	147.0	145.1
72.5°	127.0	122.4	113.7	116.5	118.3
75°	100.0	96.2	89.7	92.5	96.8
77.5°	82.8	78.2	78.8	76.9	80.0
80°	68.2	65.4	67.9	66.0	65.1
82.5°	50.8	53.6	54.5	55.4	50.8
85°	33.6	38.6	40.5	39.2	34.3
87.5°	16.5	20.9	21.5	21.2	17.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526796

CATALOG NUMBER: 22CGTX-20HE-A125-L930

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.0	16.8	15.4	17.1	17.4	14.8	16.6	15.2	16.9	17.2
	3H	16.3	17.9	16.6	18.2	18.5	16.0	17.6	16.4	17.9	18.3
	4H	16.7	18.2	17.1	18.5	18.9	16.4	17.9	16.8	18.2	18.6
	6H	17.0	18.4	17.4	18.8	19.2	16.7	18.1	17.1	18.5	18.9
	8H	17.2	18.5	17.6	18.9	19.3	16.9	18.2	17.3	18.6	19.0
	12H	17.3	18.6	17.7	18.9	19.4	17.0	18.3	17.5	18.7	19.1
4H	2H	15.4	16.9	15.8	17.3	17.7	15.3	16.8	15.7	17.1	17.5
	3H	16.9	18.1	17.3	18.5	18.9	16.6	17.9	17.1	18.3	18.7
	4H	17.4	18.5	17.8	18.9	19.4	17.1	18.3	17.6	18.7	19.1
	6H	17.9	18.9	18.3	19.3	19.7	17.6	18.6	18.1	19.1	19.5
	8H	18.1	19.0	18.5	19.5	19.9	17.9	18.8	18.3	19.2	19.7
	12H	18.3	19.1	18.7	19.6	20.0	18.1	18.9	18.5	19.4	19.8
8H	4H	17.6	18.5	18.0	18.9	19.4	17.3	18.3	17.8	18.7	19.2
	6H	18.2	19.0	18.7	19.4	19.9	18.0	18.8	18.5	19.2	19.7
	8H	18.5	19.2	19.0	19.7	20.2	18.3	19.0	18.8	19.5	20.0
	12H	18.8	19.4	19.3	19.9	20.5	18.6	19.3	19.1	19.8	20.3
12H	4H	17.6	18.4	18.1	18.9	19.4	17.4	18.2	17.9	18.7	19.2
	6H	18.3	19.0	18.8	19.4	20.0	18.1	18.8	18.6	19.2	19.8
	8H	18.6	19.3	19.1	19.7	20.3	18.5	19.1	19.0	19.6	20.1













(END OF REPORT)