

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: P1526793

Luminaire Tested: 22CGTX-20HE-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526793
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

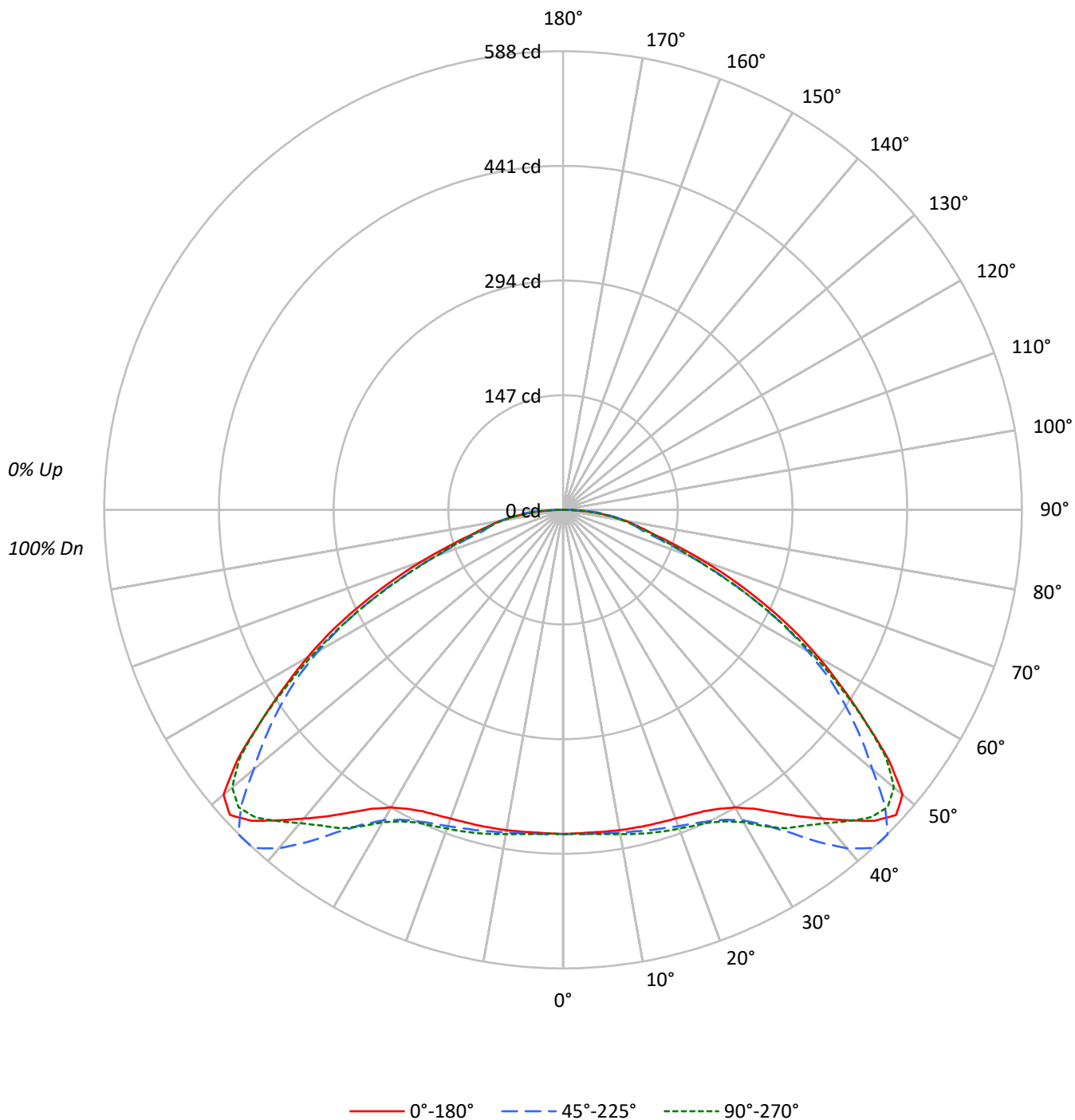
Lumens per Lamp: N/A
Luminaire Lumens: 1966.5 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1526793

CATALOG NUMBER: 22CGTX-20HE-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1526793

CATALOG NUMBER: 22CGTX-20HE-A125-L835

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1118	1118	1118
5°	1122	1126	1127
10°	1140	1148	1154
15°	1167	1185	1195
20°	1206	1236	1245
25°	1266	1308	1314
30°	1369	1427	1437
35°	1554	1657	1637
40°	1815	1990	1842
45°	2146	2239	2122
50°	2377	2166	2317
55°	2216	2086	2215
60°	2035	1947	1983
65°	1800	1698	1696
70°	1508	1359	1362
75°	1239	1112	1201
80°	1260	1255	1203
85°	1238	1491	1263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 2377 cd/sqm

TEST NUMBER: P1526793

CATALOG NUMBER: 22CGTX-20HE-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	2.0
10°-20°	120.5	6.1
20°-30°	203.8	10.4
30°-40°	313.3	15.9
40°-50°	435.4	22.1
50°-60°	409.9	20.8
60°-70°	270.7	13.8
70°-80°	125.8	6.4
80°-90°	47.1	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°	364.2	18.5
0°-40°	677.5	34.5
0°-60°	1522.9	77.4
0°-90°	1966.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1966.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	415	416	417	418	417	40
15°	419	421	425	428	429	119
25°	426	432	440	443	442	198
35°	473	490	504	502	498	300
45°	564	584	588	574	558	431
55°	472	466	445	460	472	423
65°	283	280	267	271	266	281
75°	119	115	107	110	116	133
85°	40	46	48	47	41	44
90°	0	0	0	0	0	

TEST NUMBER: P1526793

CATALOG NUMBER: 22CGTX-20HE-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	415.6	415.6	415.6	415.6	415.6
2.5°	415.2	416.0	416.4	416.7	415.6
5°	415.2	416.4	416.7	417.5	417.1
7.5°	416.0	417.1	418.2	419.0	419.3
10°	417.1	418.2	420.1	422.3	422.3
12.5°	417.8	419.7	422.3	425.3	425.6
15°	419.0	420.8	425.3	428.2	429.0
17.5°	419.7	422.7	427.9	431.6	432.0
20°	421.2	424.5	431.6	434.9	434.9
22.5°	423.4	427.9	435.3	438.3	438.3
25°	426.4	432.0	440.5	443.1	442.4
27.5°	432.0	438.6	447.9	450.9	450.2
30°	440.5	449.4	459.4	463.2	462.4
32.5°	454.2	465.4	478.0	481.4	481.0
35°	473.2	489.9	504.4	502.5	498.4
37.5°	495.1	520.0	536.3	518.9	510.0
40°	516.6	550.4	566.4	538.2	524.4
42.5°	539.7	574.2	588.0	560.5	541.2
45°	563.8	583.9	588.3	574.2	557.5
47.5°	579.0	568.6	559.0	567.5	564.2
50°	567.9	533.0	517.4	533.7	553.4
52.5°	525.6	499.9	481.7	497.0	521.8
55°	472.4	465.8	444.6	459.8	472.1
57.5°	423.8	429.0	406.0	417.5	419.3
60°	378.1	381.8	361.8	371.4	368.5
62.5°	331.7	332.1	316.5	322.0	317.6
65°	282.7	280.1	266.7	270.8	266.3
67.5°	236.6	230.7	218.0	219.9	215.8
70°	191.7	184.6	172.7	175.3	173.1
72.5°	151.5	146.0	135.6	138.9	141.1
75°	119.2	114.8	107.0	110.3	115.5
77.5°	98.8	93.2	94.0	91.7	95.5
80°	81.3	78.0	81.0	78.7	77.6
82.5°	60.5	63.9	65.0	66.1	60.5
85°	40.1	46.1	48.3	46.8	40.9
87.5°	19.7	24.9	25.6	25.3	21.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526793

CATALOG NUMBER: 22CGTX-20HE-A125-L835

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	15.6	17.4	16.0	17.7	18.0	15.4	17.2	15.8	17.5	17.8
	3H	16.9	18.5	17.3	18.8	19.2	16.6	18.2	17.0	18.5	18.9
	4H	17.3	18.8	17.7	19.1	19.5	17.0	18.5	17.4	18.8	19.2
	6H	17.6	19.0	18.0	19.4	19.8	17.3	18.7	17.8	19.1	19.5
	8H	17.8	19.1	18.2	19.5	19.9	17.5	18.8	17.9	19.2	19.6
	12H	17.9	19.2	18.3	19.5	20.0	17.6	18.9	18.1	19.3	19.7
4H	2H	16.1	17.6	16.5	17.9	18.3	15.9	17.4	16.3	17.8	18.1
	3H	17.5	18.8	17.9	19.2	19.6	17.3	18.5	17.7	18.9	19.3
	4H	18.0	19.1	18.4	19.5	20.0	17.7	18.9	18.2	19.3	19.7
	6H	18.5	19.5	18.9	19.9	20.4	18.2	19.2	18.7	19.7	20.1
	8H	18.7	19.6	19.1	20.1	20.5	18.5	19.4	18.9	19.8	20.3
	12H	18.9	19.7	19.4	20.2	20.7	18.7	19.5	19.2	20.0	20.5
8H	4H	18.2	19.1	18.6	19.6	20.0	18.0	18.9	18.4	19.3	19.8
	6H	18.8	19.6	19.3	20.1	20.5	18.6	19.4	19.1	19.9	20.3
	8H	19.1	19.8	19.6	20.3	20.8	18.9	19.6	19.4	20.1	20.6
	12H	19.4	20.0	19.9	20.5	21.1	19.2	19.9	19.8	20.4	20.9
12H	4H	18.2	19.1	18.7	19.5	20.0	18.0	18.8	18.5	19.3	19.8
	6H	18.9	19.6	19.4	20.0	20.6	18.7	19.4	19.2	19.8	20.4
	8H	19.2	19.9	19.7	20.4	20.9	19.1	19.7	19.6	20.2	20.7















(END OF REPORT)