

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: P1527010

Luminaire Tested: 22CGTX-20HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-20HE-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

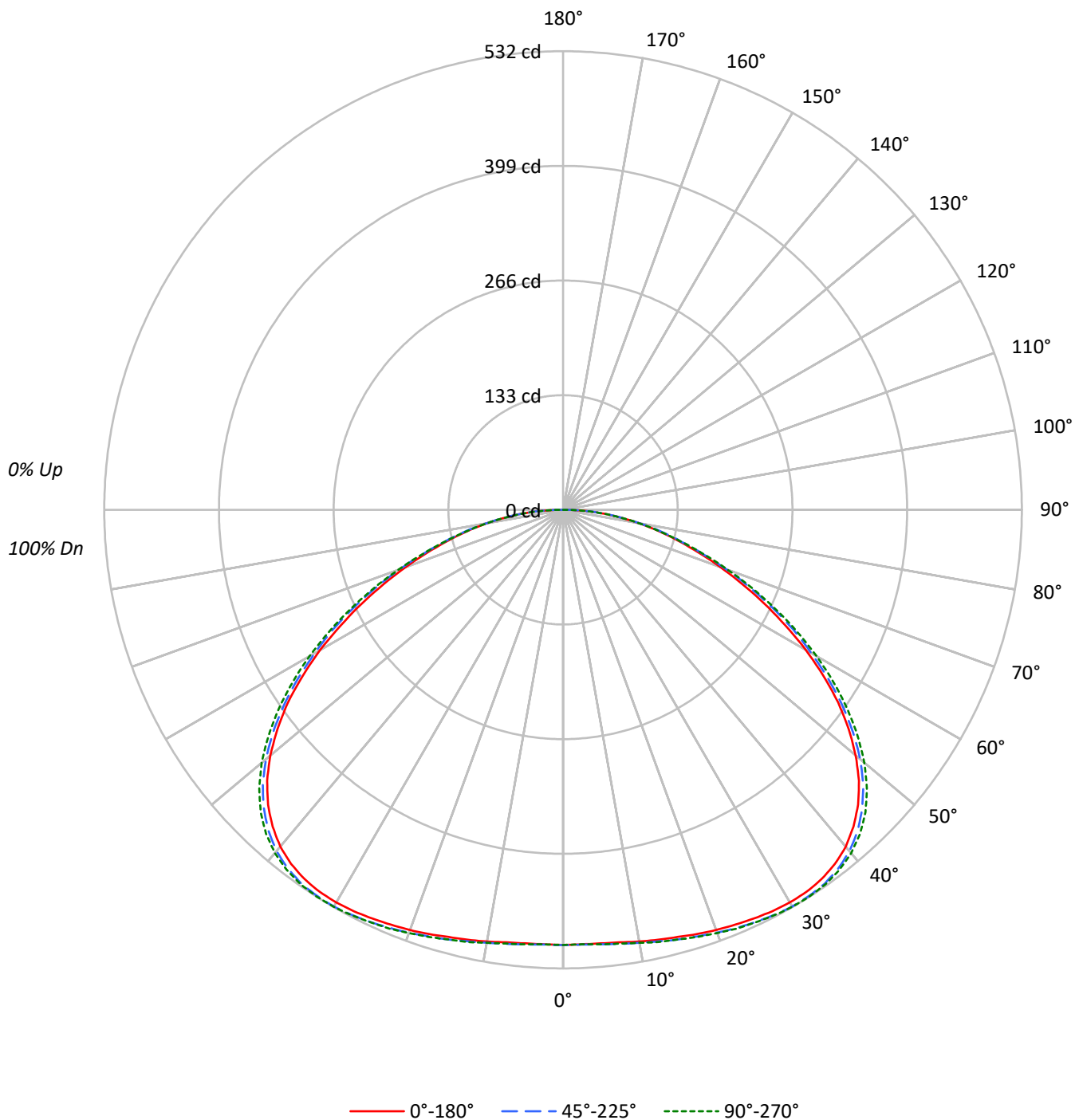
Lumens per Lamp: N/A
Luminaire Lumens: 1959.4 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1527010

CATALOG NUMBER: 22CGTX-20HE-F125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1527010

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	70		67
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	81	68	59	52	78	67	58	51	64	57	51		62	55	50		59	54	49		47
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53	47	42		40
6	68	54	45	38	66	53	44	38	51	43	37		49	42	37		48	41	37		34
7	63	49	39	33	61	48	39	33	46	38	33		45	38	32		43	37	32		30
8	58	44	35	29	57	43	35	29	42	34	29		41	34	29		39	33	28		26
9	54	40	32	26	53	40	31	26	38	31	26		37	30	26		36	30	25		24
10	51	37	29	23	49	36	29	23	35	28	23		34	28	23		34	27	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1358	1358	1358
5°	1364	1367	1367
10°	1389	1394	1394
15°	1429	1438	1438
20°	1485	1495	1496
25°	1553	1567	1568
30°	1634	1651	1652
35°	1717	1738	1742
40°	1792	1815	1826
45°	1841	1867	1887
50°	1854	1883	1909
55°	1826	1855	1888
60°	1750	1788	1827
65°	1640	1700	1729
70°	1526	1581	1600
75°	1431	1470	1470
80°	1384	1401	1389
85°	1343	1389	1343

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1909 cd/sqm

TEST NUMBER: P1527010

CATALOG NUMBER: 22CGTX-20HE-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	2.5
10°-20°	146.3	7.5
20°-30°	243.8	12.4
30°-40°	330.3	16.9
40°-50°	376.7	19.2
50°-60°	352.1	18.0
60°-70°	263.0	13.4
70°-80°	150.2	7.7
80°-90°	48.7	2.5
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°	438.5	22.4
0°-40°	768.8	39.2
0°-60°	1497.6	76.4
0°-90°	1959.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	505	506	506	506	506	48
15°	513	514	516	516	516	146
25°	523	525	528	528	528	242
35°	523	525	529	531	530	327
45°	484	486	490	494	496	372
55°	389	390	395	400	402	346
65°	258	261	267	268	272	255
75°	138	140	141	142	141	147
85°	44	45	45	44	44	48
90°	0	0	0	0	0	

TEST NUMBER: P1527010

CATALOG NUMBER: 22CGTX-20HE-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	504.8	504.8	504.8	504.8	504.8
2.5°	504.4	504.8	504.8	505.5	504.4
5°	504.8	505.5	505.9	506.3	505.9
7.5°	505.9	507.0	507.8	508.2	507.4
10°	508.5	509.3	510.0	510.8	510.0
12.5°	510.8	511.9	512.7	513.8	513.4
15°	513.0	514.5	516.0	516.4	516.0
17.5°	516.0	517.2	518.7	519.4	519.4
20°	518.7	520.2	522.0	522.8	522.4
22.5°	520.9	522.8	525.0	526.2	525.8
25°	523.2	525.0	527.7	528.4	528.0
27.5°	525.0	527.3	529.9	531.0	530.3
30°	525.8	528.0	531.4	532.2	531.8
32.5°	525.4	527.7	531.0	532.2	531.8
35°	522.8	525.4	529.2	530.7	530.3
37.5°	517.9	520.5	524.3	526.2	526.5
40°	510.0	512.7	516.8	519.4	519.8
42.5°	498.4	501.0	505.5	508.5	509.7
45°	483.8	486.0	490.5	493.9	495.8
47.5°	465.4	467.3	472.2	475.9	477.8
50°	442.9	444.8	449.7	453.4	456.0
52.5°	417.4	418.9	423.8	428.3	430.5
55°	389.3	390.4	395.3	399.8	402.4
57.5°	357.4	360.8	364.5	368.7	371.7
60°	325.1	327.8	332.3	336.4	339.4
62.5°	290.6	295.5	300.8	303.0	305.6
65°	257.6	261.4	267.0	268.5	271.5
67.5°	225.0	229.1	234.0	235.1	237.0
70°	193.9	197.3	201.0	202.5	203.3
72.5°	164.6	167.3	169.9	171.0	171.0
75°	137.6	139.9	141.4	141.8	141.4
77.5°	113.3	113.6	117.0	114.8	114.4
80°	89.3	89.3	90.4	90.4	89.6
82.5°	66.0	67.5	67.1	66.8	65.6
85°	43.5	45.4	45.0	44.3	43.5
87.5°	21.4	23.6	22.5	23.6	21.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527010

CATALOG NUMBER: 22CGTX-20HE-F125-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	14.5	16.2	14.9	16.5	16.8	14.7	16.4	15.0	16.7	17.0
	3H	16.2	17.7	16.6	18.1	18.4	16.4	17.9	16.8	18.3	18.6
	4H	16.8	18.3	17.2	18.6	19.0	17.0	18.5	17.4	18.8	19.2
	6H	17.4	18.7	17.8	19.1	19.5	17.5	18.9	18.0	19.3	19.7
	8H	17.6	18.9	18.0	19.2	19.6	17.7	19.0	18.2	19.4	19.8
	12H	17.7	19.0	18.1	19.3	19.8	17.9	19.1	18.3	19.5	19.9
4H	2H	15.1	16.6	15.5	16.9	17.3	15.3	16.7	15.7	17.1	17.5
	3H	17.1	18.3	17.5	18.7	19.1	17.2	18.5	17.6	18.9	19.3
	4H	17.8	19.0	18.3	19.4	19.8	18.0	19.1	18.4	19.5	20.0
	6H	18.5	19.5	19.0	19.9	20.4	18.6	19.6	19.1	20.1	20.5
	8H	18.8	19.7	19.2	20.1	20.6	18.9	19.8	19.4	20.3	20.7
	12H	19.0	19.8	19.4	20.3	20.7	19.1	19.9	19.6	20.4	20.9
8H	4H	18.2	19.1	18.6	19.5	20.0	18.3	19.2	18.8	19.7	20.1
	6H	19.0	19.7	19.5	20.2	20.7	19.1	19.9	19.6	20.4	20.8
	8H	19.3	20.0	19.8	20.5	21.0	19.4	20.1	19.9	20.6	21.1
	12H	19.6	20.2	20.1	20.7	21.3	19.7	20.3	20.2	20.8	21.4
12H	4H	18.2	19.0	18.7	19.5	20.0	18.4	19.2	18.8	19.7	20.1
	6H	19.1	19.8	19.6	20.2	20.8	19.2	19.9	19.7	20.3	20.9
	8H	19.5	20.1	20.0	20.6	21.1	19.6	20.2	20.1	20.7	21.2













(END OF REPORT)