

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: P1527056

Luminaire Tested: 22CGTX-60HE-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527056
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-60HE-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

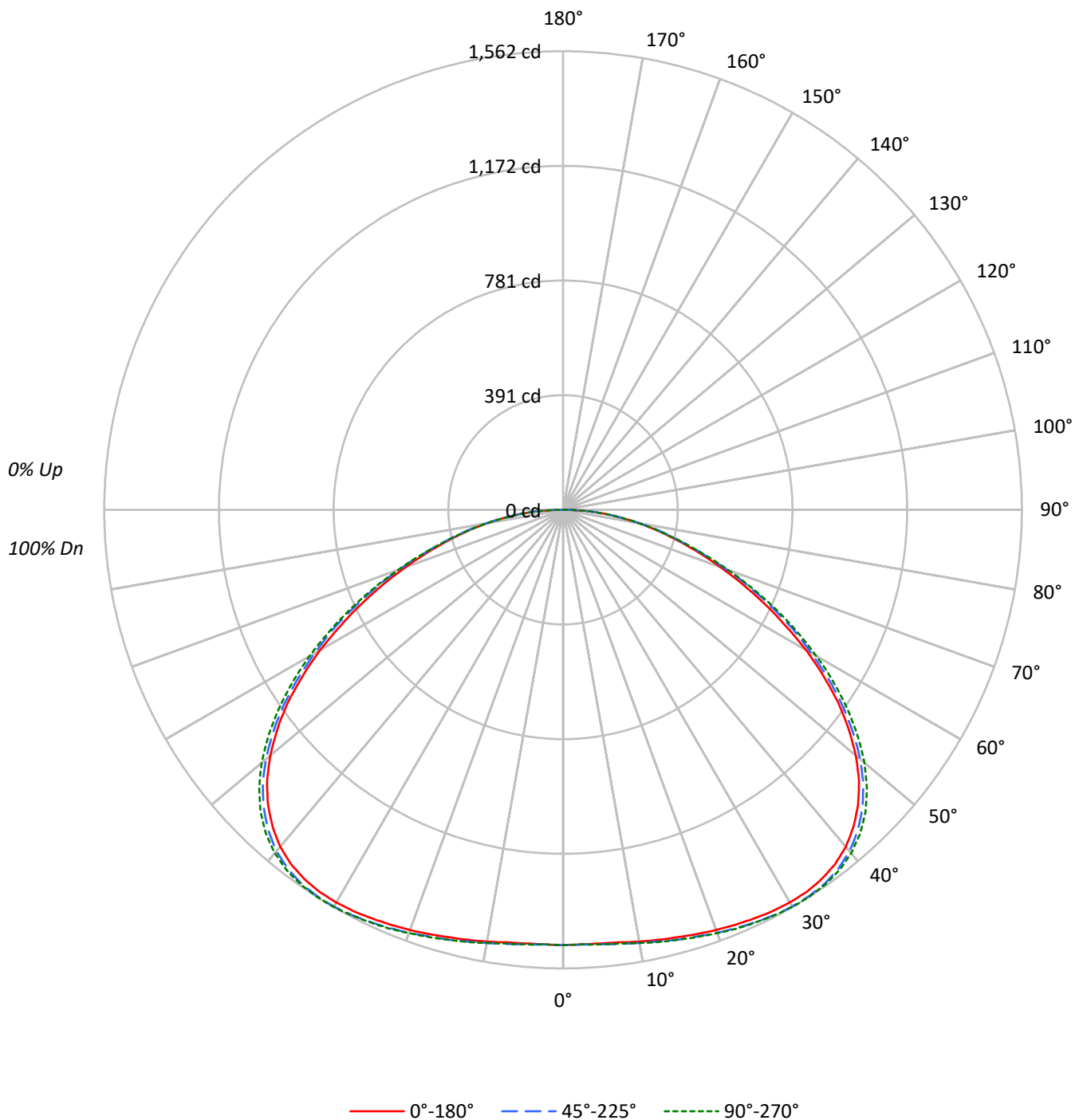
Lumens per Lamp: N/A
Luminaire Lumens: 5754.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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: P1527056

CATALOG NUMBER: 22CGTX-60HE-F125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1527056

CATALOG NUMBER: 22CGTX-60HE-F125-L830

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°	3989	3989	3989
5°	4004	4013	4013
10°	4081	4093	4093
15°	4197	4222	4222
20°	4362	4390	4393
25°	4562	4601	4604
30°	4798	4849	4852
35°	5043	5105	5116
40°	5262	5331	5362
45°	5407	5482	5541
50°	5445	5528	5606
55°	5363	5446	5544
60°	5139	5251	5364
65°	4818	4993	5077
70°	4480	4644	4696
75°	4203	4317	4317
80°	4062	4113	4079
85°	3946	4082	3946

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 5606 cd/sqm

TEST NUMBER: P1527056

CATALOG NUMBER: 22CGTX-60HE-F125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	2.5
10°-20°	429.6	7.5
20°-30°	715.9	12.4
30°-40°	969.9	16.9
40°-50°	1106.2	19.2
50°-60°	1034.0	18.0
60°-70°	772.2	13.4
70°-80°	440.9	7.7
80°-90°	143.1	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°	1287.6	22.4
0°-40°	2257.5	39.2
0°-60°	4397.7	76.4
0°-90°	5754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1482	1482	1482	1482	1482	
5°	1482	1484	1486	1487	1486	142
15°	1507	1511	1515	1516	1515	428
25°	1536	1542	1550	1552	1551	711
35°	1535	1543	1554	1558	1557	961
45°	1421	1427	1440	1450	1456	1092
55°	1143	1146	1161	1174	1182	1017
65°	757	768	784	788	797	750
75°	404	411	415	416	415	432
85°	128	133	132	130	128	140
90°	0	0	0	0	0	

TEST NUMBER: P1527056

CATALOG NUMBER: 22CGTX-60HE-F125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1482.3	1482.3	1482.3	1482.3	1482.3
2.5°	1481.2	1482.3	1482.3	1484.5	1481.2
5°	1482.3	1484.5	1485.6	1486.7	1485.6
7.5°	1485.6	1489.0	1491.2	1492.3	1490.1
10°	1493.4	1495.6	1497.8	1500.0	1497.8
12.5°	1500.0	1503.3	1505.5	1508.8	1507.7
15°	1506.6	1511.0	1515.4	1516.5	1515.4
17.5°	1515.4	1518.7	1523.1	1525.3	1525.3
20°	1523.1	1527.5	1533.0	1535.2	1534.1
22.5°	1529.7	1535.2	1541.8	1545.1	1544.0
25°	1536.3	1541.8	1549.5	1551.7	1550.6
27.5°	1541.8	1548.4	1556.1	1559.4	1557.2
30°	1544.0	1550.6	1560.5	1562.7	1561.6
32.5°	1542.9	1549.5	1559.4	1562.7	1561.6
35°	1535.2	1542.9	1553.9	1558.3	1557.2
37.5°	1520.9	1528.6	1539.6	1545.1	1546.2
40°	1497.8	1505.5	1517.6	1525.3	1526.4
42.5°	1463.6	1471.3	1484.5	1493.4	1496.7
45°	1420.7	1427.3	1440.5	1450.4	1455.9
47.5°	1366.7	1372.2	1386.5	1397.5	1403.0
50°	1300.6	1306.1	1320.5	1331.5	1339.2
52.5°	1225.7	1230.1	1244.5	1257.7	1264.3
55°	1143.1	1146.4	1160.8	1174.0	1181.7
57.5°	1049.5	1059.4	1070.5	1082.6	1091.4
60°	954.8	962.5	975.7	987.9	996.7
62.5°	853.5	867.8	883.2	889.8	897.6
65°	756.6	767.6	784.1	788.5	797.3
67.5°	660.8	672.9	687.2	690.5	696.0
70°	569.4	579.3	590.3	594.7	596.9
72.5°	483.5	491.2	498.9	502.2	502.2
75°	404.2	410.8	415.2	416.3	415.2
77.5°	332.6	333.7	343.6	337.0	335.9
80°	262.1	262.1	265.4	265.4	263.2
82.5°	193.8	198.2	197.1	196.0	192.7
85°	127.8	133.3	132.2	130.0	127.8
87.5°	62.8	69.4	66.1	69.4	63.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527056

CATALOG NUMBER: 22CGTX-60HE-F125-L830

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	18.2	19.9	18.6	20.3	20.6	18.4	20.1	18.8	20.4	20.7
	3H	19.9	21.5	20.3	21.8	22.2	20.1	21.7	20.5	22.0	22.4
	4H	20.6	22.0	21.0	22.4	22.8	20.8	22.2	21.2	22.6	23.0
	6H	21.1	22.5	21.5	22.8	23.2	21.3	22.6	21.7	23.0	23.4
	8H	21.3	22.6	21.7	23.0	23.4	21.5	22.8	21.9	23.2	23.6
	12H	21.5	22.7	21.9	23.1	23.5	21.6	22.9	22.0	23.2	23.7
4H	2H	18.9	20.3	19.3	20.7	21.1	19.0	20.5	19.4	20.8	21.2
	3H	20.8	22.0	21.2	22.4	22.8	21.0	22.2	21.4	22.6	23.0
	4H	21.6	22.7	22.0	23.1	23.5	21.7	22.9	22.2	23.3	23.7
	6H	22.2	23.2	22.7	23.7	24.1	22.4	23.4	22.8	23.8	24.3
	8H	22.5	23.4	23.0	23.9	24.3	22.6	23.6	23.1	24.0	24.5
	12H	22.7	23.5	23.2	24.0	24.5	22.8	23.7	23.3	24.1	24.6
8H	4H	21.9	22.8	22.4	23.3	23.7	22.1	23.0	22.5	23.4	23.9
	6H	22.7	23.5	23.2	24.0	24.4	22.8	23.6	23.3	24.1	24.6
	8H	23.1	23.8	23.6	24.3	24.7	23.2	23.9	23.7	24.4	24.9
	12H	23.4	24.0	23.9	24.5	25.0	23.5	24.1	24.0	24.6	25.1
12H	4H	22.0	22.8	22.4	23.3	23.7	22.1	22.9	22.6	23.4	23.9
	6H	22.8	23.5	23.3	24.0	24.5	22.9	23.6	23.4	24.1	24.6
	8H	23.2	23.8	23.7	24.3	24.9	23.3	23.9	23.8	24.4	25.0















(END OF REPORT)