

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: P1526845

Luminaire Tested: 22CGTX-60HE-A125-L940

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526845
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-60HE-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

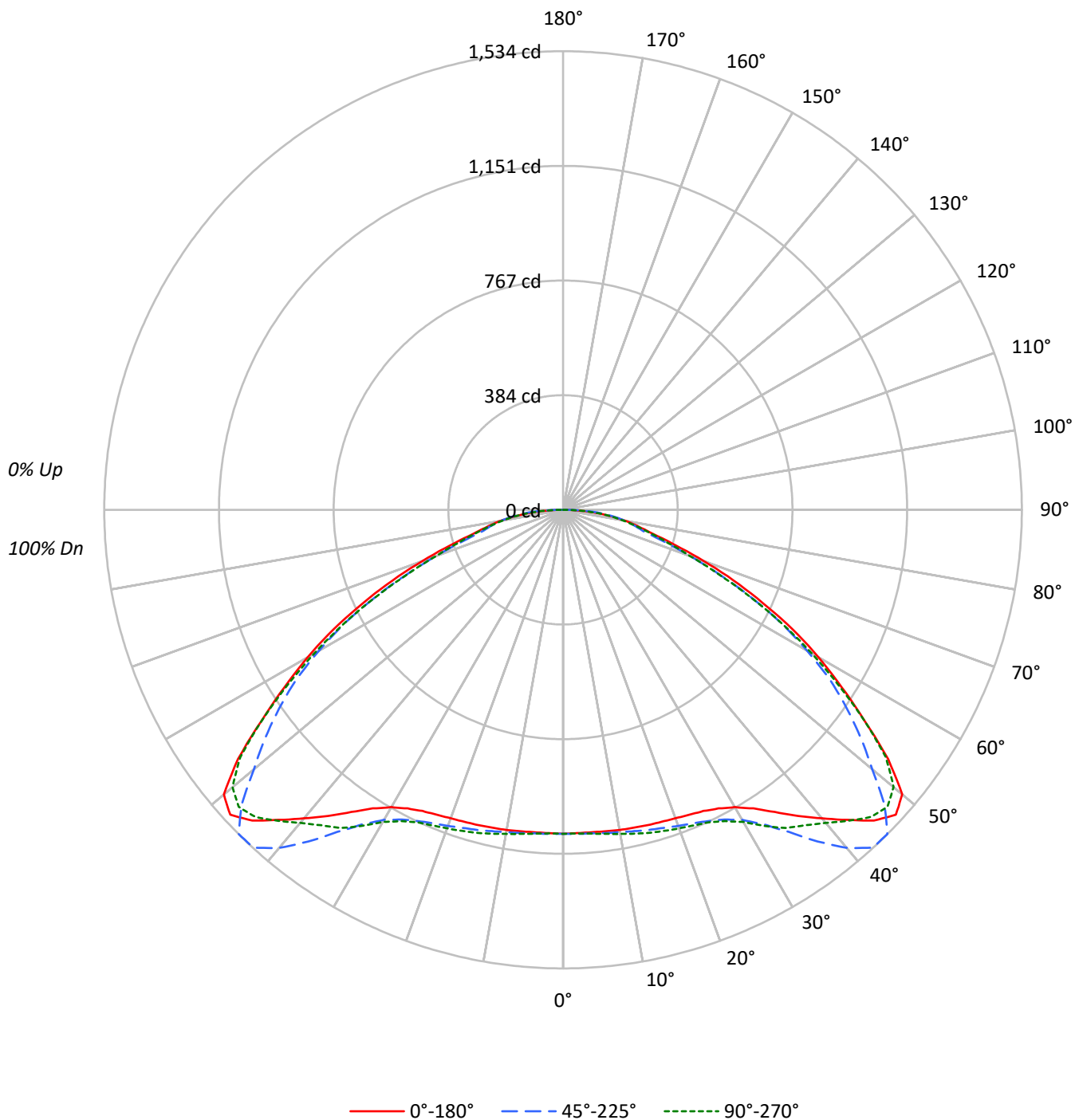
Lumens per Lamp: N/A
Luminaire Lumens: 5125.8 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1526845

CATALOG NUMBER: 22CGTX-60HE-A125-L940

Luminous Intensity Polar Plot





TEST NUMBER: P1526845

CATALOG NUMBER: 22CGTX-60HE-A125-L940

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	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°	2915	2915	2915
5°	2924	2934	2937
10°	2971	2992	3008
15°	3042	3088	3115
20°	3144	3222	3247
25°	3300	3409	3424
30°	3568	3721	3746
35°	4052	4319	4268
40°	4731	5186	4802
45°	5593	5836	5530
50°	6197	5646	6039
55°	5778	5437	5773
60°	5304	5075	5169
65°	4691	4426	4420
70°	3931	3542	3550
75°	3231	2899	3131
80°	3285	3271	3135
85°	3230	3887	3288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6197 cd/sqm

TEST NUMBER: P1526845

CATALOG NUMBER: 22CGTX-60HE-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	2.0
10°-20°	314.2	6.1
20°-30°	531.1	10.4
30°-40°	816.7	15.9
40°-50°	1135.1	22.1
50°-60°	1068.5	20.8
60°-70°	705.6	13.8
70°-80°	327.9	6.4
80°-90°	122.7	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°	949.3	18.5
0°-40°	1766.0	34.5
0°-60°	3969.5	77.4
0°-90°	5125.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5125.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	1082	1085	1086	1088	1087	103
15°	1092	1097	1108	1116	1118	310
25°	1111	1126	1148	1155	1153	517
35°	1233	1277	1315	1310	1299	781
45°	1470	1522	1534	1497	1453	1125
55°	1232	1214	1159	1199	1230	1103
65°	737	730	695	706	694	732
75°	311	299	279	288	301	348
85°	105	120	126	122	106	114
90°	0	0	0	0	0	

TEST NUMBER: P1526845

CATALOG NUMBER: 22CGTX-60HE-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1083.4	1083.4	1083.4	1083.4	1083.4
2.5°	1082.4	1084.3	1085.3	1086.3	1083.4
5°	1082.4	1085.3	1086.3	1088.2	1087.2
7.5°	1084.3	1087.2	1090.1	1092.1	1093.1
10°	1087.2	1090.1	1095.0	1100.8	1100.8
12.5°	1089.2	1094.0	1100.8	1108.5	1109.5
15°	1092.1	1096.9	1108.5	1116.3	1118.2
17.5°	1094.0	1101.8	1115.3	1125.0	1126.0
20°	1097.9	1106.6	1125.0	1133.7	1133.7
22.5°	1103.7	1115.3	1134.7	1142.4	1142.4
25°	1111.4	1126.0	1148.2	1155.0	1153.1
27.5°	1126.0	1143.4	1167.6	1175.3	1173.4
30°	1148.2	1171.5	1197.6	1207.3	1205.4
32.5°	1184.1	1213.1	1246.0	1254.7	1253.8
35°	1233.4	1277.0	1314.8	1309.9	1299.3
37.5°	1290.6	1355.4	1398.0	1352.5	1329.3
40°	1346.7	1434.8	1476.4	1402.9	1367.0
42.5°	1406.7	1496.8	1532.6	1461.0	1410.6
45°	1469.7	1521.9	1533.6	1496.8	1453.2
47.5°	1509.4	1482.3	1457.1	1479.3	1470.6
50°	1480.3	1389.3	1348.6	1391.2	1442.6
52.5°	1369.9	1303.1	1255.7	1295.4	1360.3
55°	1231.5	1214.1	1158.9	1198.6	1230.5
57.5°	1104.7	1118.2	1058.2	1088.2	1093.1
60°	985.6	995.3	943.0	968.2	960.4
62.5°	864.6	865.5	824.9	839.4	827.8
65°	736.8	730.0	695.1	705.8	694.2
67.5°	616.7	601.2	568.3	573.2	562.5
70°	499.6	481.2	450.2	457.0	451.2
72.5°	395.0	380.5	353.4	362.1	367.9
75°	310.8	299.2	278.8	287.5	301.1
77.5°	257.5	243.0	244.9	239.1	248.8
80°	212.0	203.3	211.1	205.2	202.3
82.5°	157.8	166.5	169.4	172.3	157.8
85°	104.6	120.1	125.9	122.0	106.5
87.5°	51.3	64.9	66.8	65.8	55.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526845

CATALOG NUMBER: 22CGTX-60HE-A125-L940

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	18.9	20.7	19.3	21.0	21.3	18.8	20.5	19.1	20.8	21.2
	3H	20.2	21.8	20.6	22.1	22.5	19.9	21.5	20.3	21.9	22.2
	4H	20.6	22.1	21.0	22.4	22.8	20.3	21.8	20.7	22.2	22.5
	6H	21.0	22.3	21.4	22.7	23.1	20.7	22.1	21.1	22.4	22.8
	8H	21.1	22.4	21.5	22.8	23.2	20.8	22.2	21.3	22.6	22.9
	12H	21.2	22.5	21.6	22.9	23.3	21.0	22.2	21.4	22.6	23.1
4H	2H	19.4	20.9	19.8	21.2	21.6	19.2	20.7	19.6	21.1	21.5
	3H	20.8	22.1	21.2	22.5	22.9	20.6	21.8	21.0	22.2	22.6
	4H	21.3	22.5	21.8	22.9	23.3	21.1	22.2	21.5	22.6	23.1
	6H	21.8	22.8	22.3	23.2	23.7	21.6	22.6	22.0	23.0	23.5
	8H	22.0	23.0	22.5	23.4	23.9	21.8	22.7	22.3	23.2	23.6
	12H	22.2	23.0	22.7	23.5	24.0	22.0	22.8	22.5	23.3	23.8
8H	4H	21.5	22.4	22.0	22.9	23.3	21.3	22.2	21.7	22.7	23.1
	6H	22.1	22.9	22.6	23.4	23.9	21.9	22.7	22.4	23.2	23.7
	8H	22.4	23.1	22.9	23.6	24.1	22.3	23.0	22.8	23.5	23.9
	12H	22.7	23.4	23.2	23.8	24.4	22.6	23.2	23.1	23.7	24.2
12H	4H	21.5	22.4	22.0	22.9	23.3	21.3	22.2	21.8	22.6	23.1
	6H	22.2	22.9	22.7	23.4	23.9	22.0	22.7	22.5	23.2	23.7
	8H	22.6	23.2	23.1	23.7	24.2	22.4	23.0	22.9	23.5	24.1















(END OF REPORT)