

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: P1526928

Luminaire Tested: 24CGTX-65HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-65HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

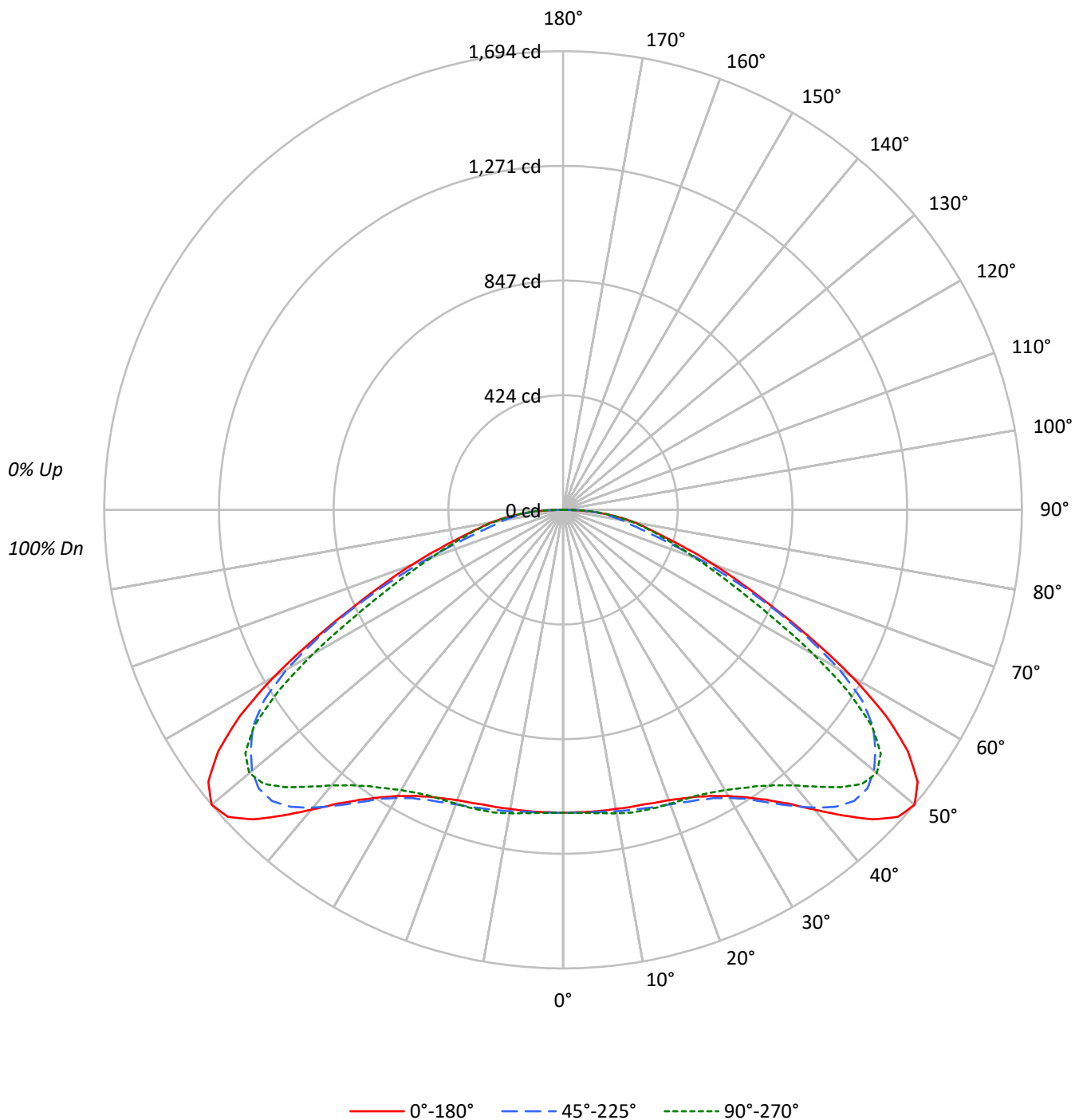
Lumens per Lamp: N/A
Luminaire Lumens: 5584.6 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.9
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: P1526928

CATALOG NUMBER: 24CGTX-65HE-A125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1526928

CATALOG NUMBER: 24CGTX-65HE-A125-L930

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	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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82			
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66			
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54			
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44			
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37			
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31			
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27			
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23			
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20			
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1505	1505	1505
5°	1512	1515	1518
10°	1532	1544	1555
15°	1570	1591	1601
20°	1634	1657	1654
25°	1735	1756	1730
30°	1896	1909	1857
35°	2147	2166	2047
40°	2539	2522	2334
45°	3076	2892	2756
50°	3546	3137	3166
55°	3645	3278	3266
60°	3312	3166	2875
65°	2740	2691	2346
70°	2340	2107	2039
75°	2026	1679	1930
80°	2097	1701	2030
85°	2120	2046	2254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3648 cd/sqm

TEST NUMBER: P1526928

CATALOG NUMBER: 24CGTX-65HE-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	1.9
10°-20°	323.8	5.8
20°-30°	546.9	9.8
30°-40°	823.4	14.7
40°-50°	1170.8	21.0
50°-60°	1256.5	22.5
60°-70°	818.8	14.7
70°-80°	393.7	7.1
80°-90°	143.3	2.6
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°	978.1	17.5
0°-40°	1801.5	32.3
0°-60°	4228.7	75.7
0°-90°	5584.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5584.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1120	1121	1122	1126	1124	107
15°	1127	1133	1142	1149	1150	320
25°	1169	1180	1183	1172	1165	544
35°	1307	1332	1319	1274	1246	830
45°	1617	1577	1520	1480	1448	1241
55°	1554	1514	1397	1357	1392	1359
65°	861	854	845	754	737	871
75°	390	368	323	367	371	428
85°	137	129	132	136	146	149
90°	0	0	0	0	0	

TEST NUMBER: P1526928

CATALOG NUMBER: 24CGTX-65HE-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1118.7	1118.7	1118.7	1118.7	1118.7
2.5°	1117.8	1118.7	1119.7	1120.7	1120.7
5°	1119.7	1120.7	1121.6	1125.5	1123.6
7.5°	1120.7	1121.6	1124.5	1130.3	1130.3
10°	1121.6	1124.5	1130.3	1136.1	1138.1
12.5°	1125.5	1128.4	1136.1	1143.9	1145.8
15°	1127.4	1133.2	1141.9	1148.7	1149.7
17.5°	1134.2	1140.0	1149.7	1152.6	1152.6
20°	1141.0	1148.7	1157.4	1157.4	1155.5
22.5°	1153.5	1162.2	1169.0	1163.2	1159.3
25°	1169.0	1179.7	1182.6	1171.9	1165.1
27.5°	1191.3	1204.8	1200.9	1186.4	1177.7
30°	1220.3	1237.7	1229.0	1207.7	1195.1
32.5°	1258.9	1280.2	1265.7	1238.6	1219.3
35°	1307.3	1332.4	1318.9	1274.4	1246.4
37.5°	1367.2	1393.3	1376.9	1319.9	1282.1
40°	1445.6	1459.1	1435.9	1374.0	1328.6
42.5°	1530.6	1523.9	1488.1	1431.1	1386.6
45°	1616.7	1577.1	1520.0	1480.4	1448.5
47.5°	1678.6	1605.1	1523.9	1503.6	1497.8
50°	1694.1	1599.3	1498.7	1491.0	1512.3
52.5°	1650.5	1568.4	1453.3	1439.8	1478.4
55°	1553.9	1514.2	1397.2	1356.6	1392.4
57.5°	1411.7	1408.8	1308.3	1235.7	1245.4
60°	1230.9	1242.5	1176.7	1074.3	1068.5
62.5°	1035.6	1042.3	1013.3	907.0	886.7
65°	860.6	853.8	845.1	754.2	736.8
67.5°	716.5	696.2	682.7	627.5	618.8
70°	594.7	562.8	535.7	527.0	518.3
72.5°	481.5	458.3	414.8	439.0	438.0
75°	389.7	368.4	323.0	367.4	371.3
77.5°	319.1	304.6	261.1	301.7	314.3
80°	270.7	240.8	219.5	245.6	262.0
82.5°	206.9	183.7	178.9	189.5	205.0
85°	137.3	128.6	132.5	136.3	146.0
87.5°	69.6	74.5	80.3	87.0	91.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526928

CATALOG NUMBER: 24CGTX-65HE-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	17.8	19.6	18.2	19.9	20.2	16.9	18.7	17.3	19.0	19.3
	3H	18.9	20.5	19.3	20.9	21.2	18.0	19.7	18.4	20.0	20.3
	4H	19.3	20.8	19.7	21.2	21.6	18.5	20.0	18.9	20.4	20.7
	6H	19.7	21.1	20.1	21.4	21.8	18.9	20.4	19.4	20.7	21.1
	8H	19.8	21.2	20.3	21.6	22.0	19.1	20.5	19.6	20.9	21.3
	12H	20.0	21.3	20.4	21.6	22.1	19.3	20.6	19.7	21.0	21.4
4H	2H	18.2	19.8	18.6	20.1	20.5	17.5	19.0	17.9	19.3	19.7
	3H	19.5	20.8	19.9	21.2	21.6	18.8	20.1	19.2	20.5	20.9
	4H	20.0	21.2	20.4	21.6	22.0	19.4	20.5	19.8	20.9	21.4
	6H	20.5	21.5	21.0	22.0	22.4	19.9	21.0	20.4	21.4	21.9
	8H	20.7	21.7	21.2	22.1	22.6	20.2	21.2	20.7	21.6	22.1
	12H	20.9	21.8	21.4	22.3	22.7	20.5	21.3	20.9	21.8	22.3
8H	4H	20.2	21.1	20.6	21.6	22.0	19.6	20.5	20.0	21.0	21.4
	6H	20.8	21.6	21.3	22.1	22.5	20.3	21.1	20.8	21.6	22.0
	8H	21.1	21.8	21.6	22.3	22.8	20.6	21.4	21.1	21.9	22.3
	12H	21.4	22.0	21.9	22.5	23.0	21.0	21.6	21.5	22.1	22.7
12H	4H	20.2	21.1	20.7	21.5	22.0	19.6	20.5	20.1	20.9	21.4
	6H	20.8	21.6	21.3	22.0	22.5	20.4	21.1	20.9	21.5	22.1
	8H	21.2	21.8	21.7	22.3	22.9	20.8	21.4	21.3	21.9	22.4















(END OF REPORT)