

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: P1526808

Luminaire Tested: 22CGTX-25HE-A125-L935

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526808
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-25HE-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

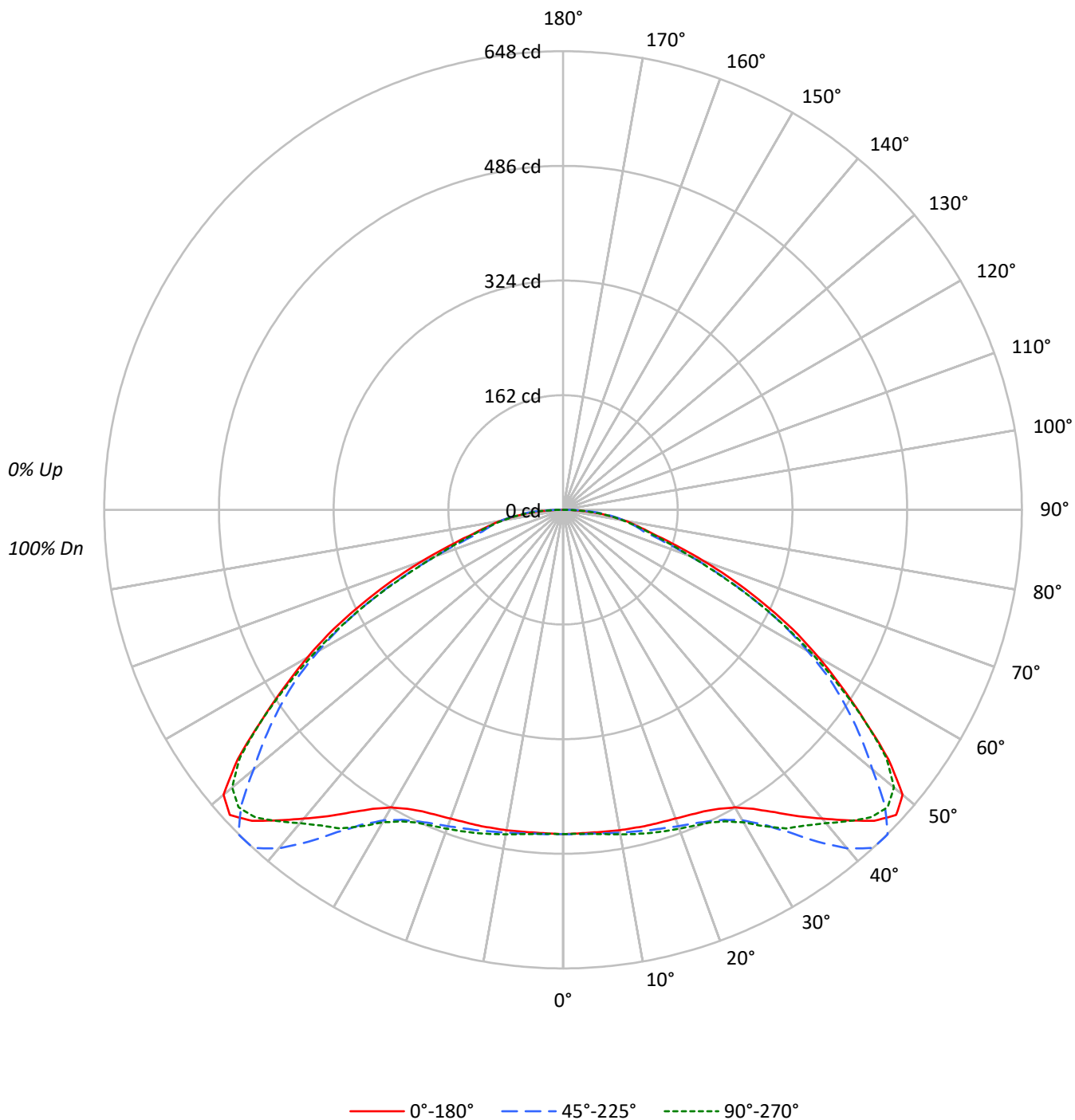
Lumens per Lamp: N/A
Luminaire Lumens: 2167.4 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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: P1526808

CATALOG NUMBER: 22CGTX-25HE-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1526808

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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	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°	1233	1233	1233
5°	1236	1241	1242
10°	1256	1265	1272
15°	1287	1306	1317
20°	1329	1362	1373
25°	1396	1442	1448
30°	1509	1574	1584
35°	1713	1826	1805
40°	2000	2193	2030
45°	2365	2468	2339
50°	2620	2388	2554
55°	2443	2299	2441
60°	2243	2146	2186
65°	1983	1871	1869
70°	1662	1498	1501
75°	1366	1226	1324
80°	1390	1382	1327
85°	1365	1643	1389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2620 cd/sqm

TEST NUMBER: P1526808

CATALOG NUMBER: 22CGTX-25HE-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	2.0
10°-20°	132.8	6.1
20°-30°	224.6	10.4
30°-40°	345.3	15.9
40°-50°	479.9	22.1
50°-60°	451.8	20.8
60°-70°	298.4	13.8
70°-80°	138.7	6.4
80°-90°	51.9	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°	401.4	18.5
0°-40°	746.7	34.5
0°-60°	1678.5	77.4
0°-90°	2167.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2167.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	458	459	459	460	460	44
15°	462	464	469	472	473	131
25°	470	476	486	488	488	219
35°	522	540	556	554	549	330
45°	621	644	648	633	614	475
55°	521	513	490	507	520	467
65°	312	309	294	298	294	309
75°	131	126	118	122	127	147
85°	44	51	53	52	45	48
90°	0	0	0	0	0	

TEST NUMBER: P1526808

CATALOG NUMBER: 22CGTX-25HE-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	458.1	458.1	458.1	458.1	458.1
2.5°	457.7	458.5	458.9	459.3	458.1
5°	457.7	458.9	459.3	460.1	459.7
7.5°	458.5	459.7	461.0	461.8	462.2
10°	459.7	461.0	463.0	465.5	465.5
12.5°	460.5	462.6	465.5	468.7	469.1
15°	461.8	463.8	468.7	472.0	472.8
17.5°	462.6	465.9	471.6	475.7	476.1
20°	464.2	467.9	475.7	479.4	479.4
22.5°	466.7	471.6	479.8	483.1	483.1
25°	470.0	476.1	485.5	488.4	487.6
27.5°	476.1	483.5	493.7	497.0	496.2
30°	485.5	495.3	506.4	510.5	509.7
32.5°	500.7	512.9	526.9	530.5	530.1
35°	521.5	540.0	555.9	553.9	549.4
37.5°	545.7	573.1	591.1	571.9	562.1
40°	569.4	606.7	624.3	593.2	578.0
42.5°	594.8	632.9	648.0	617.7	596.5
45°	621.4	643.5	648.4	632.9	614.5
47.5°	638.2	626.7	616.1	625.5	621.8
50°	625.9	587.4	570.3	588.3	610.0
52.5°	579.3	551.0	531.0	547.7	575.2
55°	520.7	513.4	490.0	506.8	520.3
57.5°	467.1	472.8	447.4	460.1	462.2
60°	416.7	420.8	398.7	409.4	406.1
62.5°	365.6	366.0	348.8	354.9	350.0
65°	311.5	308.7	293.9	298.4	293.5
67.5°	260.8	254.2	240.3	242.3	237.8
70°	211.2	203.5	190.4	193.2	190.8
72.5°	167.0	160.9	149.4	153.1	155.6
75°	131.4	126.5	117.9	121.6	127.3
77.5°	108.9	102.8	103.6	101.1	105.2
80°	89.7	86.0	89.2	86.8	85.6
82.5°	66.7	70.4	71.6	72.9	66.7
85°	44.2	50.8	53.2	51.6	45.0
87.5°	21.7	27.4	28.2	27.8	23.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526808

CATALOG NUMBER: 22CGTX-25HE-A125-L935

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	16.0	17.7	16.3	18.0	18.3	15.8	17.5	16.1	17.8	18.2
	3H	17.2	18.8	17.6	19.1	19.5	16.9	18.5	17.3	18.9	19.2
	4H	17.6	19.1	18.0	19.5	19.8	17.3	18.8	17.7	19.2	19.5
	6H	18.0	19.3	18.4	19.7	20.1	17.7	19.1	18.1	19.4	19.8
	8H	18.1	19.4	18.5	19.8	20.2	17.8	19.2	18.3	19.6	20.0
	12H	18.2	19.5	18.7	19.9	20.3	18.0	19.3	18.4	19.6	20.1
4H	2H	16.4	17.9	16.8	18.2	18.6	16.3	17.8	16.7	18.1	18.5
	3H	17.8	19.1	18.2	19.5	19.9	17.6	18.9	18.0	19.2	19.6
	4H	18.3	19.5	18.8	19.9	20.3	18.1	19.2	18.5	19.6	20.1
	6H	18.8	19.8	19.3	20.2	20.7	18.6	19.6	19.0	20.0	20.5
	8H	19.0	20.0	19.5	20.4	20.9	18.8	19.7	19.3	20.2	20.6
	12H	19.2	20.1	19.7	20.5	21.0	19.0	19.9	19.5	20.3	20.8
8H	4H	18.5	19.5	19.0	19.9	20.4	18.3	19.2	18.8	19.7	20.1
	6H	19.1	19.9	19.6	20.4	20.9	18.9	19.7	19.4	20.2	20.7
	8H	19.4	20.1	19.9	20.6	21.1	19.3	20.0	19.8	20.5	21.0
	12H	19.7	20.4	20.2	20.9	21.4	19.6	20.2	20.1	20.7	21.3
12H	4H	18.6	19.4	19.0	19.9	20.3	18.3	19.2	18.8	19.6	20.1
	6H	19.2	19.9	19.7	20.4	20.9	19.0	19.7	19.5	20.2	20.7
	8H	19.6	20.2	20.1	20.7	21.2	19.4	20.0	19.9	20.5	21.1















(END OF REPORT)