

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: P1526817

Luminaire Tested: 22CGTX-35HE-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526817
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-35HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

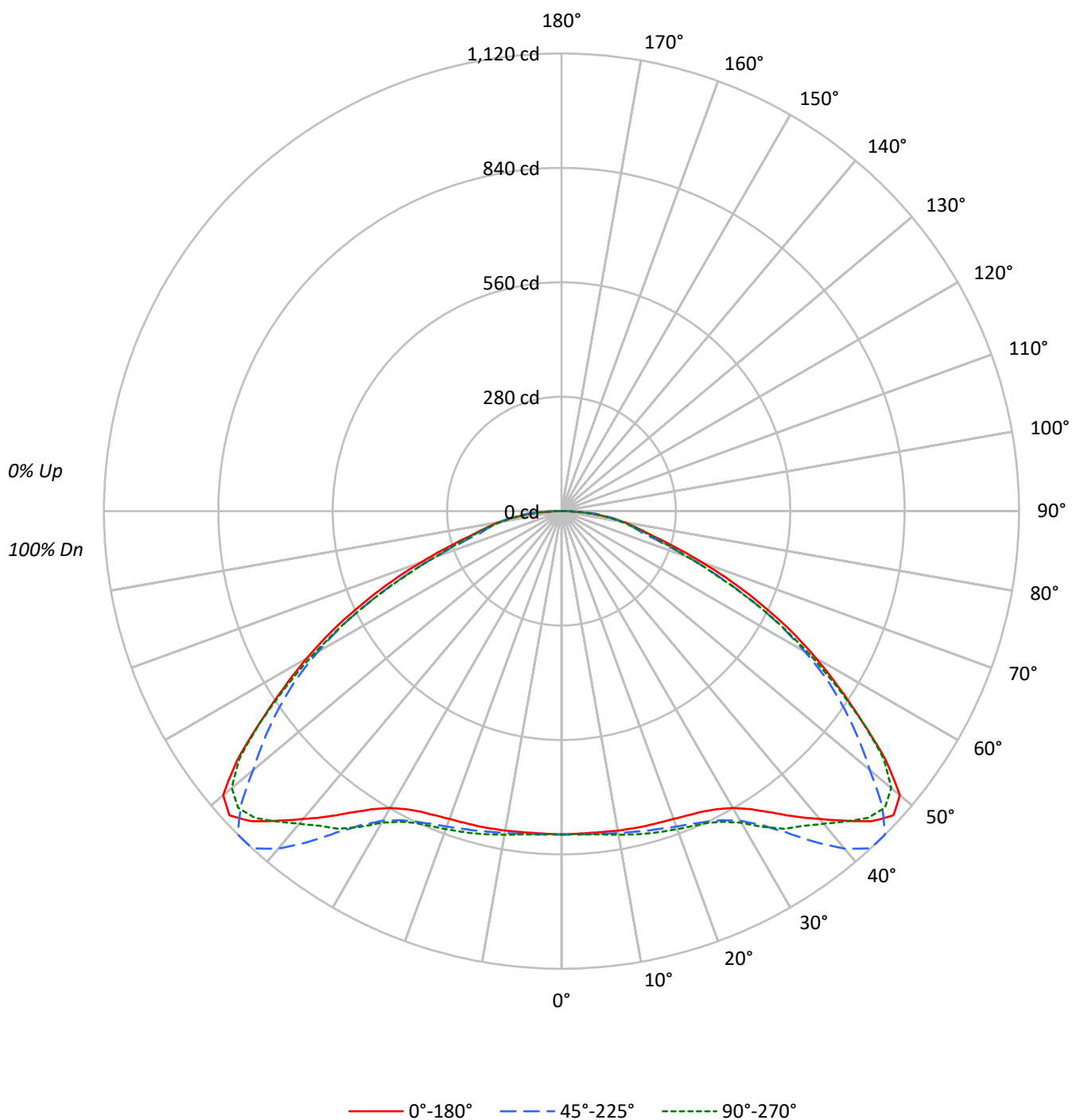
Lumens per Lamp: N/A
Luminaire Lumens: 3743.5 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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: P1526817

CATALOG NUMBER: 22CGTX-35HE-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526817

CATALOG NUMBER: 22CGTX-35HE-A125-L850

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	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°	2129	2129	2129
5°	2135	2143	2145
10°	2170	2185	2197
15°	2222	2255	2275
20°	2296	2353	2371
25°	2410	2490	2500
30°	2606	2718	2735
35°	2959	3154	3117
40°	3455	3788	3507
45°	4085	4262	4039
50°	4526	4123	4410
55°	4220	3971	4216
60°	3874	3707	3775
65°	3426	3233	3228
70°	2870	2587	2592
75°	2360	2117	2286
80°	2399	2388	2290
85°	2359	2837	2402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4526 cd/sqm

TEST NUMBER: P1526817

CATALOG NUMBER: 22CGTX-35HE-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	2.0
10°-20°	229.4	6.1
20°-30°	387.9	10.4
30°-40°	596.5	15.9
40°-50°	829.0	22.1
50°-60°	780.3	20.8
60°-70°	515.3	13.8
70°-80°	239.5	6.4
80°-90°	89.6	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°	693.3	18.5
0°-40°	1289.7	34.5
0°-60°	2899.0	77.4
0°-90°	3743.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3743.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	790	793	793	795	794	76
15°	798	801	810	815	817	226
25°	812	822	839	844	842	378
35°	901	933	960	957	949	570
45°	1073	1112	1120	1093	1061	821
55°	899	887	846	875	899	806
65°	538	533	508	516	507	534
75°	227	218	204	210	220	254
85°	76	88	92	89	78	83
90°	0	0	0	0	0	

TEST NUMBER: P1526817

CATALOG NUMBER: 22CGTX-35HE-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	791.2	791.2	791.2	791.2	791.2
2.5°	790.5	791.9	792.6	793.3	791.2
5°	790.5	792.6	793.3	794.7	794.0
7.5°	791.9	794.0	796.2	797.6	798.3
10°	794.0	796.2	799.7	803.9	803.9
12.5°	795.5	799.0	803.9	809.6	810.3
15°	797.6	801.1	809.6	815.2	816.7
17.5°	799.0	804.6	814.5	821.6	822.3
20°	801.8	808.2	821.6	828.0	828.0
22.5°	806.1	814.5	828.7	834.3	834.3
25°	811.7	822.3	838.6	843.5	842.1
27.5°	822.3	835.0	852.7	858.4	857.0
30°	838.6	855.6	874.6	881.7	880.3
32.5°	864.7	886.0	910.0	916.4	915.7
35°	900.8	932.6	960.2	956.7	948.9
37.5°	942.5	989.9	1021.0	987.8	970.8
40°	983.5	1047.9	1078.3	1024.5	998.4
42.5°	1027.4	1093.1	1119.3	1067.0	1030.2
45°	1073.3	1111.5	1120.0	1093.1	1061.3
47.5°	1102.3	1082.5	1064.1	1080.4	1074.0
50°	1081.1	1014.6	984.9	1016.1	1053.5
52.5°	1000.5	951.7	917.1	946.1	993.4
55°	899.4	886.7	846.4	875.4	898.7
57.5°	806.8	816.7	772.8	794.7	798.3
60°	719.8	726.9	688.7	707.1	701.4
62.5°	631.4	632.1	602.4	613.0	604.5
65°	538.1	533.1	507.7	515.5	507.0
67.5°	450.4	439.1	415.0	418.6	410.8
70°	364.8	351.4	328.8	333.7	329.5
72.5°	288.5	277.9	258.1	264.4	268.7
75°	227.0	218.5	203.6	210.0	219.9
77.5°	188.1	177.5	178.9	174.6	181.7
80°	154.8	148.5	154.1	149.9	147.8
82.5°	115.3	121.6	123.7	125.9	115.3
85°	76.4	87.7	91.9	89.1	77.8
87.5°	37.5	47.4	48.8	48.1	40.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526817

CATALOG NUMBER: 22CGTX-35HE-A125-L850

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	17.9	19.6	18.2	19.9	20.2	17.7	19.4	18.0	19.7	20.1
	3H	19.1	20.7	19.5	21.0	21.4	18.8	20.4	19.2	20.8	21.1
	4H	19.5	21.0	19.9	21.4	21.7	19.2	20.7	19.6	21.1	21.4
	6H	19.9	21.2	20.3	21.6	22.0	19.6	21.0	20.0	21.3	21.7
	8H	20.0	21.3	20.4	21.7	22.1	19.7	21.1	20.2	21.5	21.9
	12H	20.1	21.4	20.6	21.8	22.2	19.9	21.2	20.3	21.5	22.0
4H	2H	18.3	19.8	18.7	20.1	20.5	18.2	19.7	18.6	20.0	20.4
	3H	19.7	21.0	20.1	21.4	21.8	19.5	20.8	19.9	21.1	21.5
	4H	20.2	21.4	20.7	21.8	22.2	20.0	21.1	20.4	21.5	22.0
	6H	20.7	21.7	21.2	22.1	22.6	20.5	21.5	20.9	21.9	22.4
	8H	20.9	21.9	21.4	22.3	22.8	20.7	21.6	21.2	22.1	22.5
	12H	21.1	22.0	21.6	22.4	22.9	20.9	21.8	21.4	22.2	22.7
8H	4H	20.4	21.4	20.9	21.8	22.3	20.2	21.1	20.7	21.6	22.0
	6H	21.0	21.8	21.5	22.3	22.8	20.8	21.6	21.3	22.1	22.6
	8H	21.3	22.0	21.8	22.5	23.0	21.2	21.9	21.7	22.4	22.9
	12H	21.6	22.3	22.1	22.7	23.3	21.5	22.1	22.0	22.6	23.2
12H	4H	20.5	21.3	20.9	21.8	22.2	20.2	21.1	20.7	21.5	22.0
	6H	21.1	21.8	21.6	22.3	22.8	20.9	21.6	21.4	22.1	22.6
	8H	21.5	22.1	22.0	22.6	23.1	21.3	21.9	21.8	22.4	23.0















(END OF REPORT)