

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: P1526816

Luminaire Tested: 22CGTX-35HE-A125-L840

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526816
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

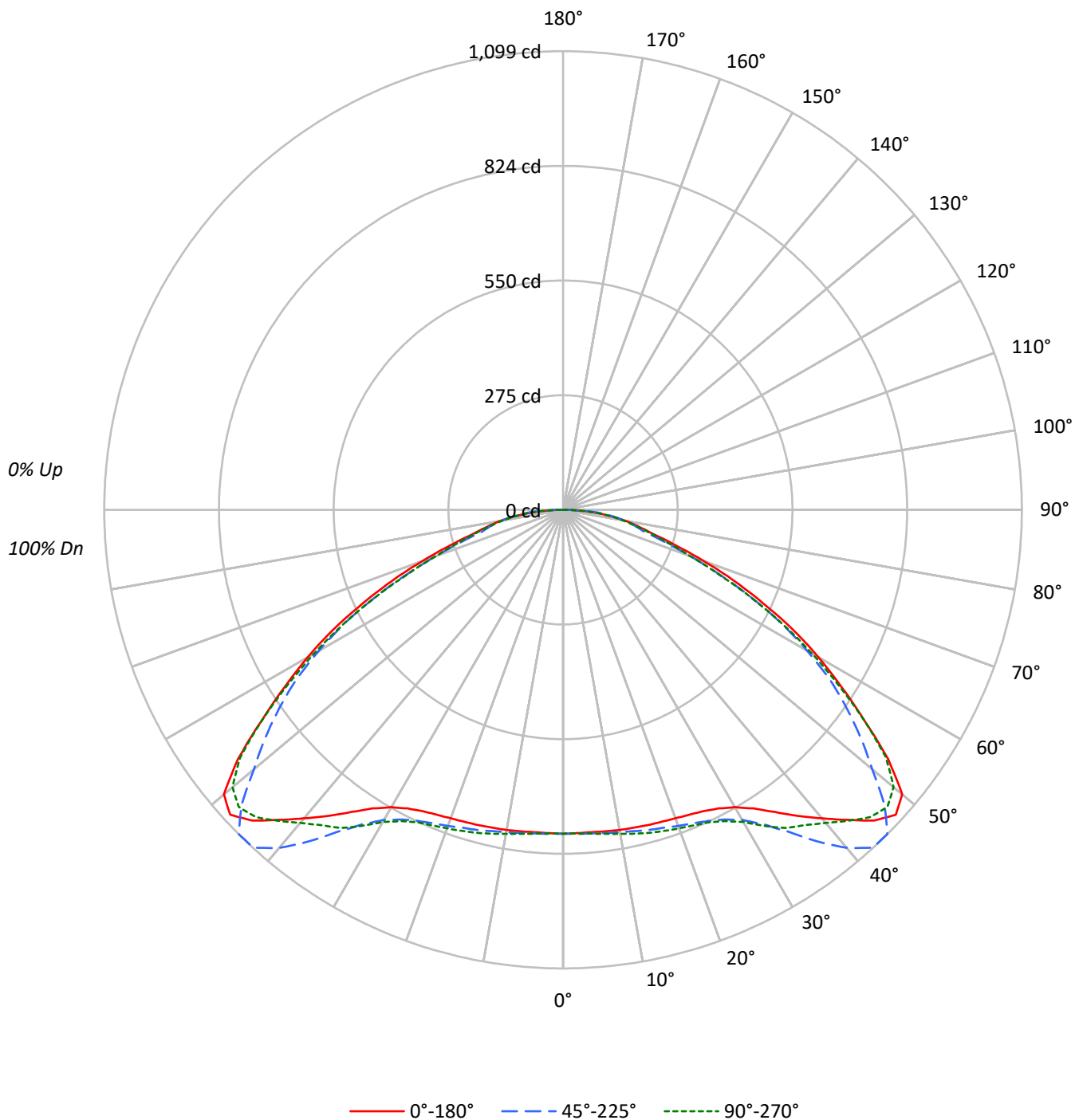
Lumens per Lamp: N/A
Luminaire Lumens: 3672.2 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1526816

CATALOG NUMBER: 22CGTX-35HE-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1526816

CATALOG NUMBER: 22CGTX-35HE-A125-L840

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°	2088	2088	2088
5°	2095	2102	2104
10°	2128	2144	2155
15°	2180	2213	2232
20°	2252	2308	2326
25°	2364	2442	2453
30°	2556	2666	2683
35°	2903	3094	3058
40°	3389	3716	3440
45°	4007	4181	3962
50°	4440	4045	4327
55°	4139	3895	4136
60°	3800	3636	3703
65°	3361	3171	3167
70°	2816	2537	2543
75°	2314	2077	2243
80°	2354	2343	2247
85°	2313	2785	2356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4440 cd/sqm

TEST NUMBER: P1526816

CATALOG NUMBER: 22CGTX-35HE-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	2.0
10°-20°	225.1	6.1
20°-30°	380.5	10.4
30°-40°	585.1	15.9
40°-50°	813.2	22.1
50°-60°	765.5	20.8
60°-70°	505.5	13.8
70°-80°	234.9	6.4
80°-90°	87.9	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°	680.1	18.5
0°-40°	1265.2	34.5
0°-60°	2843.8	77.4
0°-90°	3672.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3672.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	775	778	778	780	779	74
15°	782	786	794	800	801	222
25°	796	807	823	828	826	371
35°	884	915	942	938	931	559
45°	1053	1090	1099	1072	1041	806
55°	882	870	830	859	882	791
65°	528	523	498	506	497	524
75°	223	214	200	206	216	249
85°	75	86	90	87	76	82
90°	0	0	0	0	0	

TEST NUMBER: P1526816

CATALOG NUMBER: 22CGTX-35HE-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	776.1	776.1	776.1	776.1	776.1
2.5°	775.4	776.8	777.5	778.2	776.1
5°	775.4	777.5	778.2	779.6	778.9
7.5°	776.8	778.9	781.0	782.4	783.1
10°	778.9	781.0	784.5	788.6	788.6
12.5°	780.3	783.8	788.6	794.2	794.9
15°	782.4	785.8	794.2	799.7	801.1
17.5°	783.8	789.3	799.0	806.0	806.7
20°	786.5	792.8	806.0	812.2	812.2
22.5°	790.7	799.0	812.9	818.4	818.4
25°	796.3	806.7	822.6	827.5	826.1
27.5°	806.7	819.1	836.5	842.0	840.6
30°	822.6	839.3	858.0	864.9	863.5
32.5°	848.3	869.1	892.7	898.9	898.2
35°	883.6	914.9	941.9	938.4	930.8
37.5°	924.6	971.0	1001.6	969.0	952.3
40°	964.8	1027.9	1057.7	1005.0	979.4
42.5°	1007.8	1072.3	1098.0	1046.6	1010.6
45°	1052.9	1090.3	1098.7	1072.3	1041.1
47.5°	1081.3	1061.9	1043.9	1059.8	1053.6
50°	1060.5	995.3	966.2	996.7	1033.5
52.5°	981.4	933.6	899.6	928.0	974.5
55°	882.3	869.8	830.2	858.7	881.6
57.5°	791.4	801.1	758.1	779.6	783.1
60°	706.1	713.0	675.6	693.6	688.1
62.5°	619.4	620.1	590.9	601.4	593.0
65°	527.8	523.0	498.0	505.6	497.3
67.5°	441.8	430.7	407.1	410.6	403.0
70°	357.9	344.7	322.5	327.4	323.2
72.5°	283.0	272.6	253.2	259.4	263.6
75°	222.6	214.3	199.8	206.0	215.7
77.5°	184.5	174.1	175.5	171.3	178.3
80°	151.9	145.7	151.2	147.0	145.0
82.5°	113.1	119.3	121.4	123.5	113.1
85°	74.9	86.0	90.2	87.4	76.3
87.5°	36.8	46.5	47.9	47.2	39.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526816

CATALOG NUMBER: 22CGTX-35HE-A125-L840

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	19.5	18.1	19.9	20.2	17.6	19.4	18.0	19.7	20.0
	3H	19.1	20.6	19.4	21.0	21.3	18.8	20.4	19.2	20.7	21.1
	4H	19.4	20.9	19.8	21.3	21.7	19.2	20.7	19.6	21.0	21.4
	6H	19.8	21.2	20.2	21.5	21.9	19.5	20.9	19.9	21.3	21.7
	8H	19.9	21.3	20.4	21.7	22.1	19.7	21.0	20.1	21.4	21.8
	12H	20.1	21.3	20.5	21.7	22.1	19.8	21.1	20.2	21.5	21.9
4H	2H	18.2	19.7	18.6	20.1	20.4	18.1	19.6	18.5	19.9	20.3
	3H	19.7	20.9	20.1	21.3	21.7	19.4	20.7	19.8	21.1	21.5
	4H	20.2	21.3	20.6	21.7	22.1	19.9	21.1	20.3	21.5	21.9
	6H	20.6	21.6	21.1	22.1	22.5	20.4	21.4	20.9	21.8	22.3
	8H	20.9	21.8	21.3	22.2	22.7	20.6	21.6	21.1	22.0	22.5
	12H	21.0	21.9	21.5	22.4	22.8	20.8	21.7	21.3	22.2	22.6
8H	4H	20.4	21.3	20.8	21.7	22.2	20.1	21.1	20.6	21.5	22.0
	6H	21.0	21.7	21.5	22.2	22.7	20.8	21.5	21.2	22.0	22.5
	8H	21.3	22.0	21.8	22.5	23.0	21.1	21.8	21.6	22.3	22.8
	12H	21.6	22.2	22.1	22.7	23.2	21.4	22.0	21.9	22.5	23.1
12H	4H	20.4	21.2	20.9	21.7	22.2	20.2	21.0	20.6	21.5	21.9
	6H	21.0	21.7	21.6	22.2	22.7	20.8	21.5	21.4	22.0	22.5
	8H	21.4	22.0	21.9	22.5	23.1	21.2	21.9	21.7	22.4	22.9















(END OF REPORT)