

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: P1526810

Luminaire Tested: 22CGTX-35-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526810
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-35-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

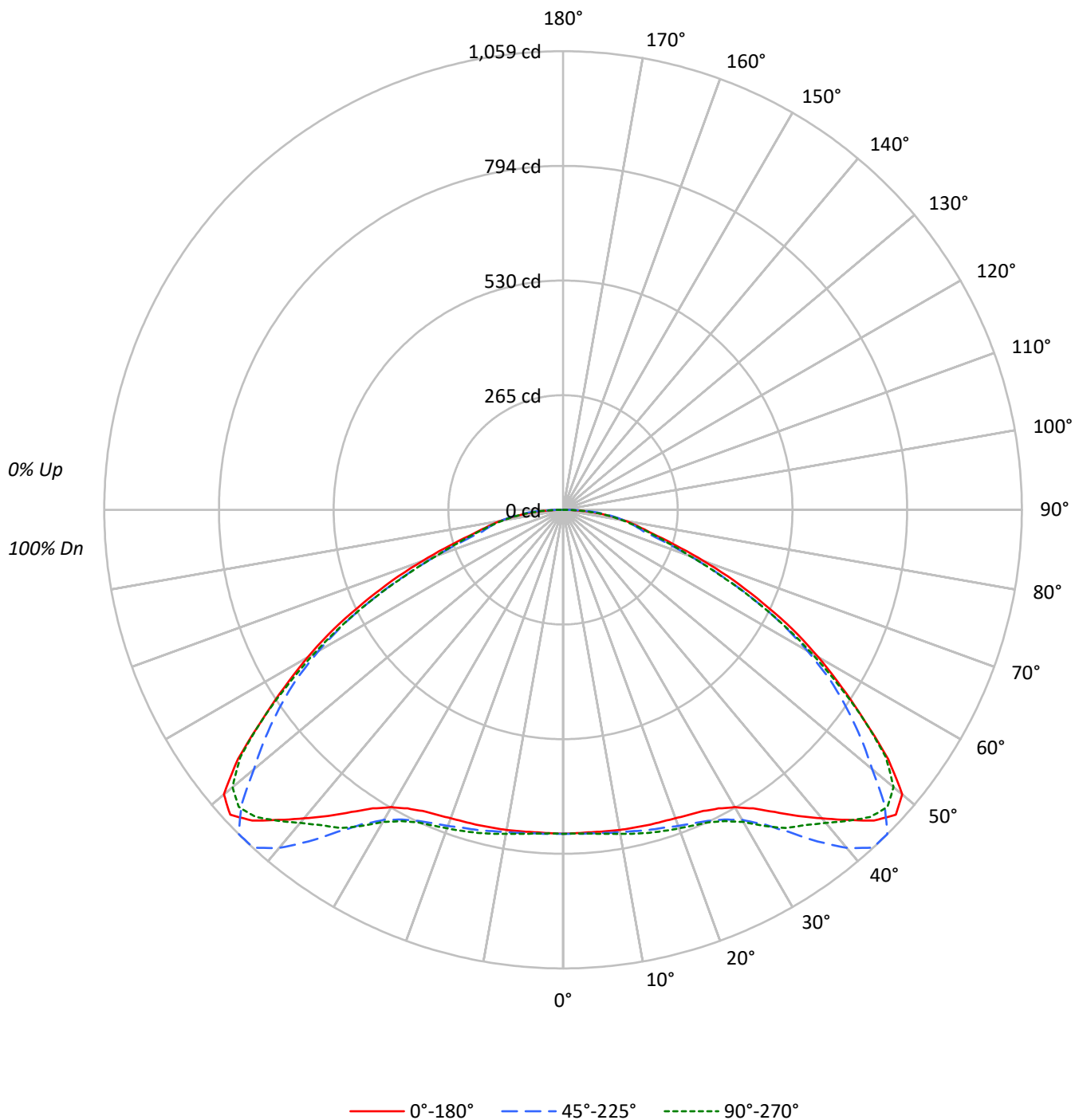
Lumens per Lamp: N/A
Luminaire Lumens: 3538.4 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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: P1526810

CATALOG NUMBER: 22CGTX-35-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1526810

CATALOG NUMBER: 22CGTX-35-A125-L830

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		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°	2013	2013	2013
5°	2018	2026	2027
10°	2051	2065	2076
15°	2100	2132	2150
20°	2170	2224	2241
25°	2278	2353	2363
30°	2463	2569	2586
35°	2797	2982	2946
40°	3266	3580	3315
45°	3861	4029	3817
50°	4278	3898	4169
55°	3988	3753	3985
60°	3662	3503	3568
65°	3238	3056	3051
70°	2714	2445	2450
75°	2230	2001	2161
80°	2269	2258	2165
85°	2229	2683	2269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4278 cd/sqm

TEST NUMBER: P1526810

CATALOG NUMBER: 22CGTX-35-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	2.0
10°-20°	216.9	6.1
20°-30°	366.7	10.4
30°-40°	563.8	15.9
40°-50°	783.5	22.1
50°-60°	737.6	20.8
60°-70°	487.1	13.8
70°-80°	226.4	6.4
80°-90°	84.7	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°	655.3	18.5
0°-40°	1219.1	34.5
0°-60°	2740.2	77.4
0°-90°	3538.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3538.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	747	749	750	751	750	71
15°	754	757	765	771	772	214
25°	767	777	793	797	796	357
35°	851	882	908	904	897	539
45°	1014	1051	1059	1033	1003	776
55°	850	838	800	827	849	762
65°	509	504	480	487	479	505
75°	214	206	192	198	208	240
85°	72	83	87	84	74	79
90°	0	0	0	0	0	

TEST NUMBER: P1526810

CATALOG NUMBER: 22CGTX-35-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	747.9	747.9	747.9	747.9	747.9
2.5°	747.2	748.5	749.2	749.9	747.9
5°	747.2	749.2	749.9	751.2	750.5
7.5°	748.5	750.5	752.5	753.9	754.5
10°	750.5	752.5	755.9	759.9	759.9
12.5°	751.9	755.2	759.9	765.2	765.9
15°	753.9	757.2	765.2	770.6	771.9
17.5°	755.2	760.5	769.9	776.6	777.3
20°	757.9	763.9	776.6	782.6	782.6
22.5°	761.9	769.9	783.3	788.6	788.6
25°	767.2	777.3	792.6	797.3	796.0
27.5°	777.3	789.3	806.0	811.3	810.0
30°	792.6	808.7	826.7	833.4	832.1
32.5°	817.4	837.4	860.1	866.1	865.5
35°	851.4	881.5	907.6	904.2	896.9
37.5°	890.9	935.6	965.1	933.6	917.6
40°	929.6	990.5	1019.2	968.4	943.7
42.5°	971.1	1033.2	1058.0	1008.5	973.7
45°	1014.5	1050.6	1058.6	1033.2	1003.1
47.5°	1041.9	1023.2	1005.8	1021.2	1015.2
50°	1021.9	959.0	931.0	960.4	995.8
52.5°	945.7	899.6	866.8	894.2	939.0
55°	850.1	838.1	800.0	827.4	849.4
57.5°	762.6	771.9	730.5	751.2	754.5
60°	680.4	687.0	650.9	668.3	663.0
62.5°	596.8	597.5	569.4	579.4	571.4
65°	508.6	503.9	479.9	487.2	479.2
67.5°	425.7	415.0	392.3	395.6	388.3
70°	344.9	332.2	310.8	315.4	311.4
72.5°	272.7	262.7	243.9	250.0	254.0
75°	214.5	206.5	192.5	198.5	207.8
77.5°	177.8	167.7	169.1	165.1	171.8
80°	146.4	140.3	145.7	141.7	139.7
82.5°	108.9	115.0	117.0	119.0	108.9
85°	72.2	82.9	86.9	84.2	73.5
87.5°	35.4	44.8	46.1	45.4	38.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526810

CATALOG NUMBER: 22CGTX-35-A125-L830

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	17.7	19.4	18.0	19.7	20.0	17.5	19.2	17.8	19.6	19.9
	3H	18.9	20.5	19.3	20.8	21.2	18.7	20.2	19.0	20.6	20.9
	4H	19.3	20.8	19.7	21.2	21.5	19.0	20.5	19.4	20.9	21.3
	6H	19.7	21.1	20.1	21.4	21.8	19.4	20.8	19.8	21.1	21.5
	8H	19.8	21.1	20.2	21.5	21.9	19.5	20.9	20.0	21.3	21.7
	12H	19.9	21.2	20.4	21.6	22.0	19.7	21.0	20.1	21.3	21.8
4H	2H	18.1	19.6	18.5	19.9	20.3	18.0	19.5	18.4	19.8	20.2
	3H	19.5	20.8	20.0	21.2	21.6	19.3	20.6	19.7	21.0	21.4
	4H	20.0	21.2	20.5	21.6	22.0	19.8	20.9	20.2	21.3	21.8
	6H	20.5	21.5	21.0	22.0	22.4	20.3	21.3	20.7	21.7	22.2
	8H	20.7	21.7	21.2	22.1	22.6	20.5	21.4	21.0	21.9	22.3
	12H	20.9	21.8	21.4	22.2	22.7	20.7	21.6	21.2	22.0	22.5
8H	4H	20.2	21.2	20.7	21.6	22.1	20.0	20.9	20.5	21.4	21.8
	6H	20.8	21.6	21.3	22.1	22.6	20.6	21.4	21.1	21.9	22.4
	8H	21.1	21.8	21.6	22.3	22.8	21.0	21.7	21.5	22.2	22.7
	12H	21.4	22.1	21.9	22.6	23.1	21.3	21.9	21.8	22.4	23.0
12H	4H	20.3	21.1	20.7	21.6	22.0	20.0	20.9	20.5	21.3	21.8
	6H	20.9	21.6	21.4	22.1	22.6	20.7	21.4	21.2	21.9	22.4
	8H	21.3	21.9	21.8	22.4	22.9	21.1	21.7	21.6	22.2	22.8















(END OF REPORT)