

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: P1526819

Luminaire Tested: 22CGTX-35HE-A125-L935

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526819
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

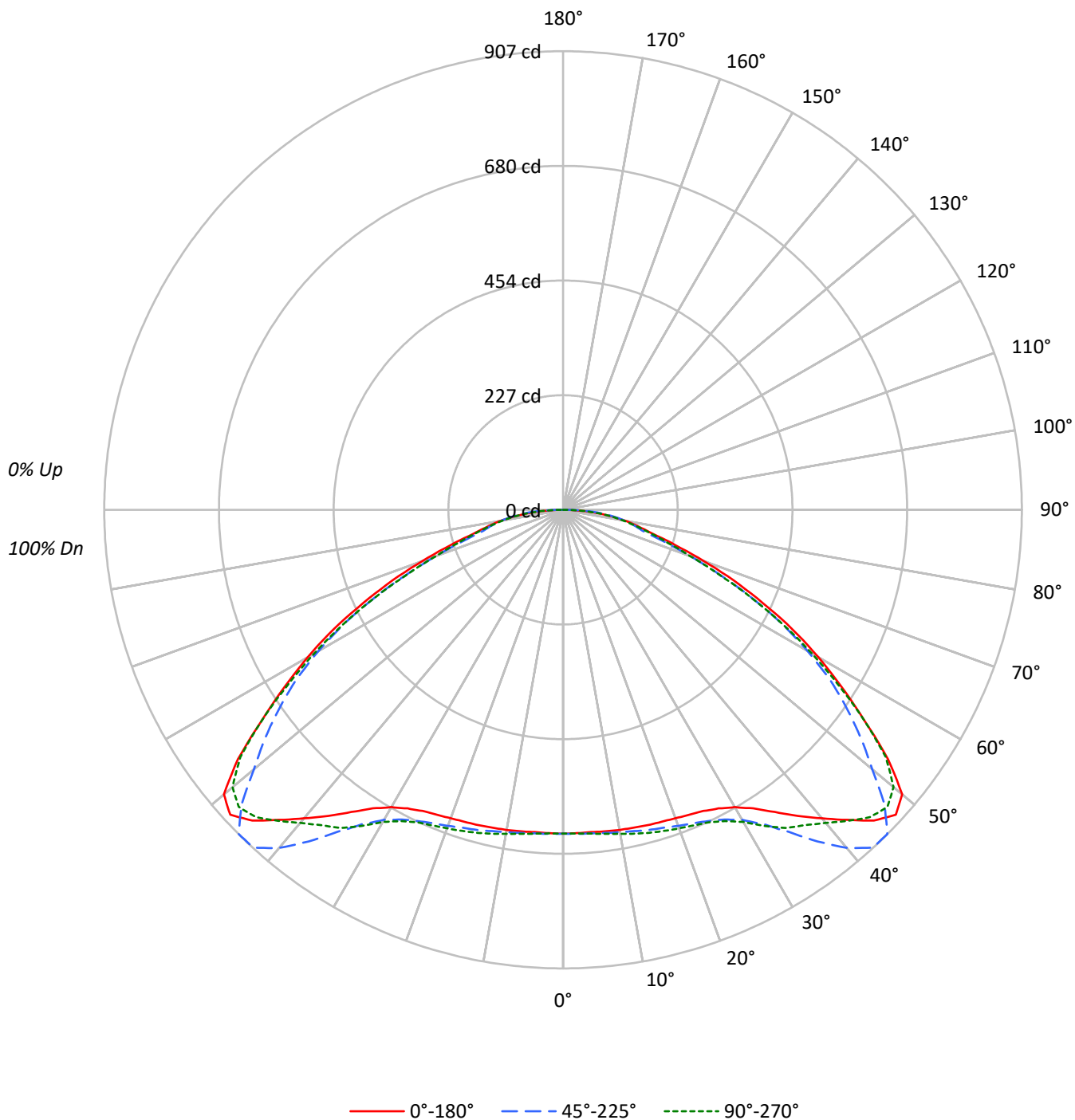
Lumens per Lamp: N/A
Luminaire Lumens: 3030.5 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P1526819

CATALOG NUMBER: 22CGTX-35HE-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1526819

CATALOG NUMBER: 22CGTX-35HE-A125-L935

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°	1724	1724	1724
5°	1729	1735	1736
10°	1756	1769	1778
15°	1799	1826	1842
20°	1859	1905	1920
25°	1951	2016	2024
30°	2110	2200	2214
35°	2395	2553	2523
40°	2797	3066	2839
45°	3307	3451	3270
50°	3664	3338	3571
55°	3416	3214	3413
60°	3136	3000	3056
65°	2774	2617	2613
70°	2324	2094	2098
75°	1910	1713	1851
80°	1943	1934	1853
85°	1908	2297	1945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3664 cd/sqm

TEST NUMBER: P1526819

CATALOG NUMBER: 22CGTX-35HE-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	2.0
10°-20°	185.7	6.1
20°-30°	314.0	10.4
30°-40°	482.9	15.9
40°-50°	671.1	22.1
50°-60°	631.7	20.8
60°-70°	417.2	13.8
70°-80°	193.9	6.4
80°-90°	72.6	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°	561.2	18.5
0°-40°	1044.1	34.5
0°-60°	2346.8	77.4
0°-90°	3030.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3030.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	640	642	642	643	643	61
15°	646	648	655	660	661	183
25°	657	666	679	683	682	306
35°	729	755	777	774	768	462
45°	869	900	907	885	859	665
55°	728	718	685	709	728	652
65°	436	432	411	417	410	433
75°	184	177	165	170	178	206
85°	62	71	74	72	63	68
90°	0	0	0	0	0	

TEST NUMBER: P1526819

CATALOG NUMBER: 22CGTX-35HE-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	640.5	640.5	640.5	640.5	640.5
2.5°	639.9	641.1	641.6	642.2	640.5
5°	639.9	641.6	642.2	643.4	642.8
7.5°	641.1	642.8	644.5	645.7	646.2
10°	642.8	644.5	647.4	650.8	650.8
12.5°	643.9	646.8	650.8	655.4	656.0
15°	645.7	648.5	655.4	660.0	661.1
17.5°	646.8	651.4	659.4	665.1	665.7
20°	649.1	654.2	665.1	670.3	670.3
22.5°	652.5	659.4	670.8	675.4	675.4
25°	657.1	665.7	678.9	682.9	681.7
27.5°	665.7	676.0	690.3	694.9	693.7
30°	678.9	692.6	708.0	713.8	712.6
32.5°	700.0	717.2	736.7	741.8	741.2
35°	729.2	755.0	777.3	774.4	768.1
37.5°	763.0	801.3	826.5	799.6	785.9
40°	796.2	848.3	872.9	829.4	808.2
42.5°	831.7	884.9	906.1	863.7	834.0
45°	868.9	899.8	906.7	884.9	859.2
47.5°	892.4	876.3	861.4	874.6	869.5
50°	875.2	821.4	797.3	822.5	852.9
52.5°	809.9	770.4	742.4	765.9	804.2
55°	728.1	717.8	685.1	708.6	727.5
57.5°	653.1	661.1	625.6	643.4	646.2
60°	582.7	588.4	557.5	572.4	567.8
62.5°	511.1	511.7	487.7	496.3	489.4
65°	435.6	431.6	411.0	417.3	410.4
67.5°	364.6	355.5	336.0	338.9	332.6
70°	295.4	284.5	266.2	270.2	266.7
72.5°	233.5	224.9	208.9	214.1	217.5
75°	183.7	176.9	164.8	170.0	178.0
77.5°	152.3	143.7	144.8	141.4	147.1
80°	125.4	120.2	124.8	121.3	119.6
82.5°	93.3	98.5	100.2	101.9	93.3
85°	61.8	71.0	74.4	72.1	63.0
87.5°	30.3	38.4	39.5	38.9	32.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526819

CATALOG NUMBER: 22CGTX-35HE-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	17.1	18.9	17.5	19.2	19.5	16.9	18.7	17.3	19.0	19.3
	3H	18.4	20.0	18.8	20.3	20.7	18.1	19.7	18.5	20.0	20.4
	4H	18.8	20.3	19.2	20.6	21.0	18.5	20.0	18.9	20.3	20.7
	6H	19.1	20.5	19.5	20.9	21.3	18.9	20.2	19.3	20.6	21.0
	8H	19.3	20.6	19.7	21.0	21.4	19.0	20.3	19.4	20.7	21.1
	12H	19.4	20.7	19.8	21.0	21.5	19.1	20.4	19.6	20.8	21.2
4H	2H	17.6	19.1	18.0	19.4	19.8	17.4	18.9	17.8	19.3	19.6
	3H	19.0	20.3	19.4	20.7	21.1	18.8	20.0	19.2	20.4	20.8
	4H	19.5	20.6	19.9	21.0	21.5	19.3	20.4	19.7	20.8	21.2
	6H	20.0	21.0	20.4	21.4	21.9	19.7	20.7	20.2	21.2	21.6
	8H	20.2	21.1	20.7	21.6	22.0	20.0	20.9	20.4	21.3	21.8
	12H	20.4	21.2	20.9	21.7	22.2	20.2	21.0	20.7	21.5	22.0
8H	4H	19.7	20.6	20.1	21.1	21.5	19.5	20.4	19.9	20.8	21.3
	6H	20.3	21.1	20.8	21.6	22.0	20.1	20.9	20.6	21.4	21.8
	8H	20.6	21.3	21.1	21.8	22.3	20.4	21.1	20.9	21.6	22.1
	12H	20.9	21.5	21.4	22.0	22.6	20.8	21.4	21.3	21.9	22.4
12H	4H	19.7	20.6	20.2	21.0	21.5	19.5	20.3	20.0	20.8	21.3
	6H	20.4	21.1	20.9	21.5	22.1	20.2	20.9	20.7	21.3	21.9
	8H	20.7	21.4	21.2	21.9	22.4	20.6	21.2	21.1	21.7	22.2













(END OF REPORT)