

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: P1526950

Luminaire Tested: 24CGTX-90HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-90HE-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

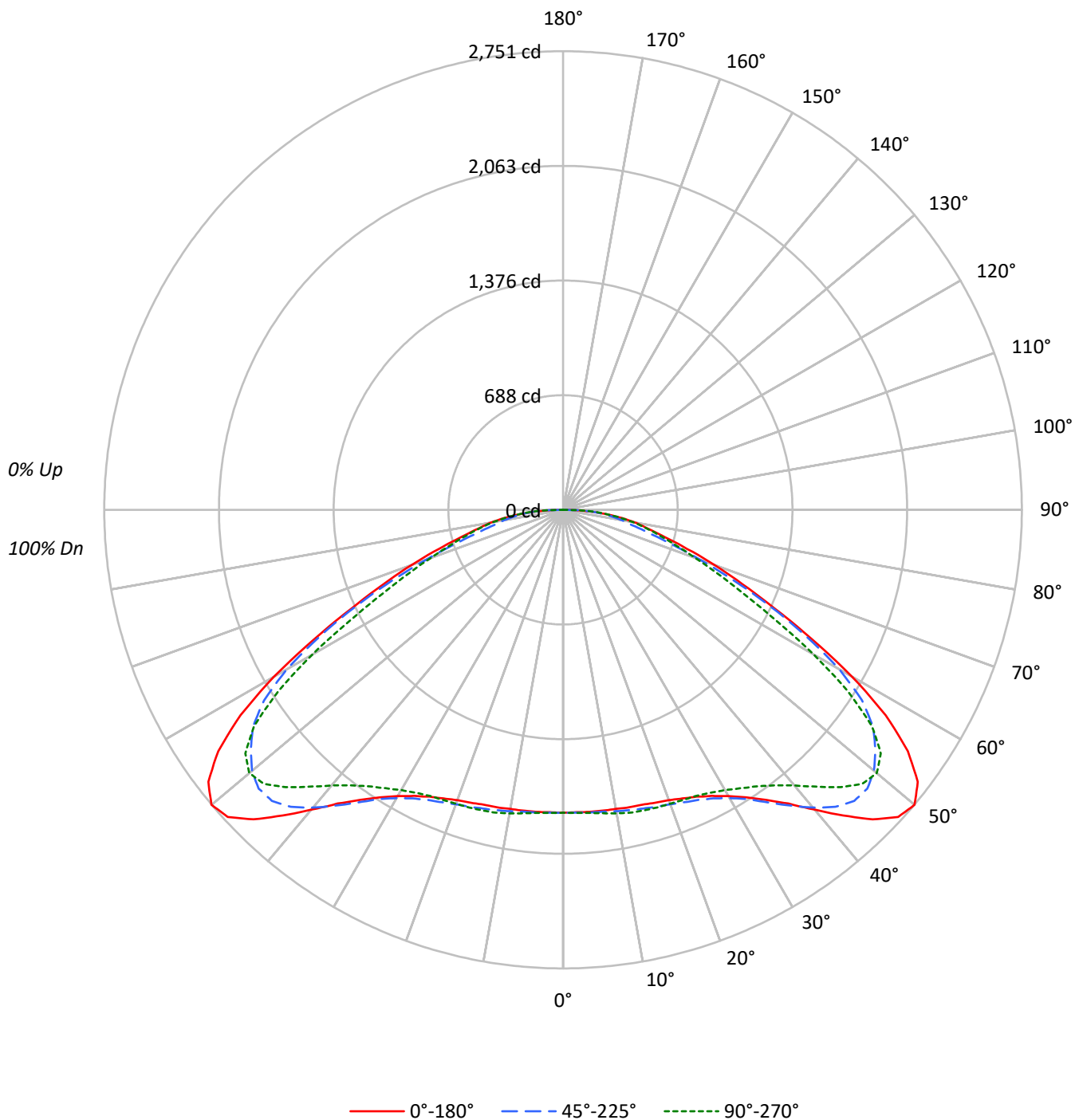
Lumens per Lamp: N/A
Luminaire Lumens: 9070.1 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.3
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: P1526950

CATALOG NUMBER: 24CGTX-90HE-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1526950

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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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84		82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68		66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56		54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47		44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39		37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34		31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29		27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25		23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22		20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2445	2445	2445
5°	2456	2460	2465
10°	2489	2508	2525
15°	2551	2584	2601
20°	2653	2692	2687
25°	2819	2851	2809
30°	3079	3101	3016
35°	3487	3518	3325
40°	4124	4096	3790
45°	4996	4697	4476
50°	5759	5095	5141
55°	5920	5323	5305
60°	5380	5143	4670
65°	4450	4370	3810
70°	3799	3423	3311
75°	3290	2727	3135
80°	3407	2762	3298
85°	3443	3321	3660

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5925 cd/sqm

TEST NUMBER: P1526950

CATALOG NUMBER: 24CGTX-90HE-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	1.9
10°-20°	525.9	5.8
20°-30°	888.3	9.8
30°-40°	1337.2	14.7
40°-50°	1901.5	21.0
50°-60°	2040.7	22.5
60°-70°	1329.9	14.7
70°-80°	639.5	7.1
80°-90°	232.7	2.6
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°	1588.6	17.5
0°-40°	2925.8	32.3
0°-60°	6868.0	75.7
0°-90°	9070.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9070.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1817	1817	1817	1817	1817	
5°	1818	1820	1822	1828	1825	174
15°	1831	1840	1855	1866	1867	520
25°	1899	1916	1921	1903	1892	884
35°	2123	2164	2142	2070	2024	1348
45°	2626	2561	2469	2404	2352	2016
55°	2524	2459	2269	2203	2261	2208
65°	1398	1387	1372	1225	1197	1414
75°	633	598	524	597	603	695
85°	223	209	215	221	237	243
90°	0	0	0	0	0	

TEST NUMBER: P1526950

CATALOG NUMBER: 24CGTX-90HE-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1817.0	1817.0	1817.0	1817.0	1817.0
2.5°	1815.4	1817.0	1818.5	1820.1	1820.1
5°	1818.5	1820.1	1821.7	1828.0	1824.8
7.5°	1820.1	1821.7	1826.4	1835.8	1835.8
10°	1821.7	1826.4	1835.8	1845.2	1848.4
12.5°	1828.0	1832.7	1845.2	1857.8	1860.9
15°	1831.1	1840.5	1854.7	1865.7	1867.2
17.5°	1842.1	1851.5	1867.2	1871.9	1871.9
20°	1853.1	1865.7	1879.8	1879.8	1876.7
22.5°	1873.5	1887.6	1898.6	1889.2	1882.9
25°	1898.6	1915.9	1920.6	1903.3	1892.4
27.5°	1934.8	1956.7	1950.5	1926.9	1912.8
30°	1981.9	2010.1	1996.0	1961.5	1941.0
32.5°	2044.7	2079.2	2055.7	2011.7	1980.3
35°	2123.2	2164.0	2142.1	2069.8	2024.3
37.5°	2220.6	2263.0	2236.3	2143.6	2082.4
40°	2347.8	2369.8	2332.1	2231.6	2157.8
42.5°	2486.0	2475.0	2416.9	2324.2	2252.0
45°	2625.7	2561.4	2468.7	2404.3	2352.5
47.5°	2726.2	2606.9	2475.0	2442.0	2432.6
50°	2751.4	2597.5	2434.2	2421.6	2456.1
52.5°	2680.7	2547.2	2360.3	2338.4	2401.2
55°	2523.7	2459.3	2269.3	2203.3	2261.4
57.5°	2292.8	2288.1	2124.8	2007.0	2022.7
60°	1999.1	2018.0	1911.2	1744.7	1735.3
62.5°	1681.9	1692.9	1645.8	1473.1	1440.1
65°	1397.7	1386.7	1372.5	1224.9	1196.7
67.5°	1163.7	1130.7	1108.7	1019.2	1005.1
70°	965.8	914.0	870.0	855.9	841.7
72.5°	782.1	744.4	673.7	713.0	711.4
75°	632.9	598.3	524.5	596.8	603.0
77.5°	518.2	494.7	424.0	490.0	510.4
80°	439.7	391.0	356.5	398.9	425.6
82.5°	336.1	298.4	290.5	307.8	332.9
85°	223.0	208.9	215.1	221.4	237.1
87.5°	113.1	120.9	130.3	141.3	149.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526950

CATALOG NUMBER: 24CGTX-90HE-A125-L835

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	19.5	21.3	19.9	21.6	21.9	18.6	20.4	19.0	20.7	21.0
	3H	20.6	22.2	21.0	22.5	22.9	19.7	21.3	20.1	21.7	22.0
	4H	21.0	22.5	21.4	22.9	23.2	20.2	21.7	20.6	22.1	22.4
	6H	21.4	22.8	21.8	23.1	23.5	20.6	22.0	21.0	22.4	22.8
	8H	21.5	22.9	21.9	23.3	23.7	20.8	22.2	21.2	22.6	23.0
	12H	21.6	22.9	22.1	23.3	23.8	21.0	22.3	21.4	22.7	23.1
4H	2H	19.9	21.4	20.3	21.8	22.2	19.2	20.7	19.6	21.0	21.4
	3H	21.2	22.5	21.6	22.9	23.3	20.5	21.8	20.9	22.1	22.5
	4H	21.7	22.9	22.1	23.3	23.7	21.1	22.2	21.5	22.6	23.1
	6H	22.2	23.2	22.6	23.6	24.1	21.6	22.7	22.1	23.1	23.5
	8H	22.4	23.4	22.9	23.8	24.3	21.9	22.8	22.3	23.3	23.7
	12H	22.6	23.5	23.1	23.9	24.4	22.1	23.0	22.6	23.5	23.9
8H	4H	21.9	22.8	22.3	23.3	23.7	21.3	22.2	21.7	22.7	23.1
	6H	22.5	23.3	22.9	23.7	24.2	22.0	22.8	22.5	23.3	23.7
	8H	22.8	23.5	23.3	24.0	24.5	22.3	23.0	22.8	23.5	24.0
	12H	23.0	23.7	23.5	24.2	24.7	22.7	23.3	23.2	23.8	24.4
12H	4H	21.9	22.7	22.4	23.2	23.7	21.3	22.2	21.8	22.6	23.1
	6H	22.5	23.2	23.0	23.7	24.2	22.0	22.8	22.6	23.2	23.8
	8H	22.9	23.5	23.4	24.0	24.5	22.4	23.1	22.9	23.6	24.1













(END OF REPORT)