

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: P1526954

Luminaire Tested: 24CGTX-90HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526954
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

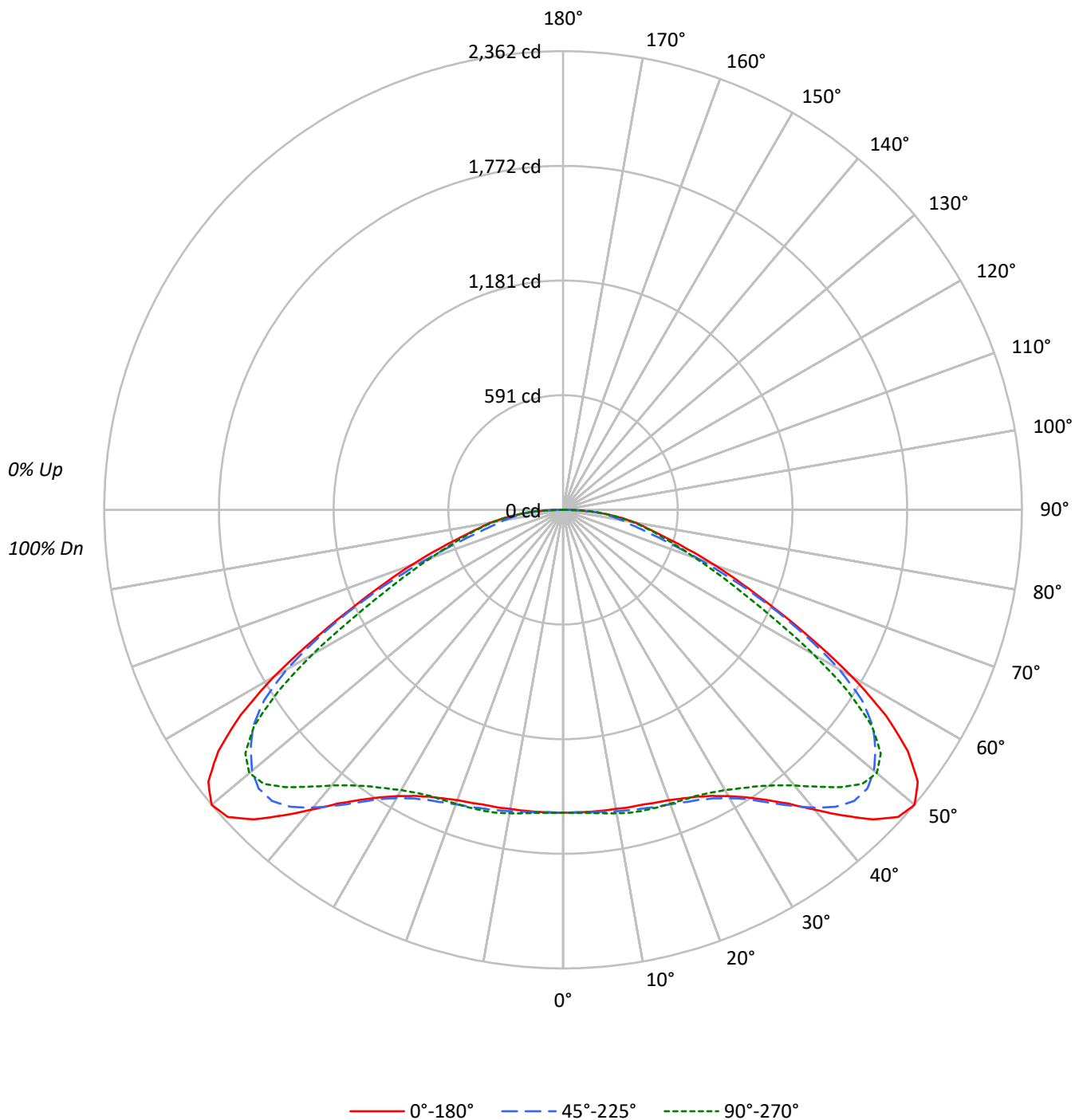
Lumens per Lamp: N/A
Luminaire Lumens: 7787.4 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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°	2099	2099	2099
5°	2109	2113	2116
10°	2137	2153	2168
15°	2190	2218	2233
20°	2278	2311	2307
25°	2420	2448	2412
30°	2644	2662	2589
35°	2994	3021	2855
40°	3541	3517	3254
45°	4290	4033	3843
50°	4945	4375	4414
55°	5083	4571	4555
60°	4619	4416	4009
65°	3820	3752	3271
70°	3262	2939	2843
75°	2825	2341	2692
80°	2925	2372	2831
85°	2956	2851	3143

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5087 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	1.9
10°-20°	451.5	5.8
20°-30°	762.7	9.8
30°-40°	1148.1	14.7
40°-50°	1632.6	21.0
50°-60°	1752.1	22.5
60°-70°	1141.8	14.7
70°-80°	549.0	7.1
80°-90°	199.8	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°	1363.9	17.5
0°-40°	2512.1	32.3
0°-60°	5896.8	75.7
0°-90°	7787.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7787.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1560	1560	1560	1560	1560	
5°	1561	1563	1564	1570	1567	149
15°	1572	1580	1592	1602	1603	447
25°	1630	1645	1649	1634	1625	759
35°	1823	1858	1839	1777	1738	1157
45°	2254	2199	2120	2064	2020	1731
55°	2167	2112	1948	1892	1942	1896
65°	1200	1191	1178	1052	1027	1214
75°	543	514	450	512	518	597
85°	192	179	185	190	204	208
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1560.0	1560.0	1560.0	1560.0	1560.0
2.5°	1558.7	1560.0	1561.4	1562.7	1562.7
5°	1561.4	1562.7	1564.1	1569.5	1566.8
7.5°	1562.7	1564.1	1568.1	1576.2	1576.2
10°	1564.1	1568.1	1576.2	1584.3	1587.0
12.5°	1569.5	1573.5	1584.3	1595.1	1597.8
15°	1572.2	1580.3	1592.4	1601.8	1603.2
17.5°	1581.6	1589.7	1603.2	1607.2	1607.2
20°	1591.0	1601.8	1614.0	1614.0	1611.3
22.5°	1608.6	1620.7	1630.1	1622.1	1616.7
25°	1630.1	1645.0	1649.0	1634.2	1624.8
27.5°	1661.2	1680.0	1674.6	1654.4	1642.3
30°	1701.6	1725.9	1713.7	1684.1	1666.5
32.5°	1755.5	1785.2	1765.0	1727.2	1700.3
35°	1823.0	1858.0	1839.1	1777.1	1738.0
37.5°	1906.6	1943.0	1920.0	1840.5	1787.9
40°	2015.8	2034.6	2002.3	1916.0	1852.6
42.5°	2134.4	2125.0	2075.1	1995.5	1933.5
45°	2254.4	2199.1	2119.6	2064.3	2019.8
47.5°	2340.7	2238.2	2125.0	2096.7	2088.6
50°	2362.3	2230.2	2089.9	2079.1	2108.8
52.5°	2301.6	2187.0	2026.6	2007.7	2061.6
55°	2166.8	2111.5	1948.4	1891.7	1941.6
57.5°	1968.6	1964.5	1824.3	1723.2	1736.7
60°	1716.4	1732.6	1640.9	1498.0	1489.9
62.5°	1444.1	1453.5	1413.1	1264.7	1236.4
65°	1200.0	1190.6	1178.4	1051.7	1027.4
67.5°	999.1	970.8	951.9	875.1	862.9
70°	829.2	784.7	747.0	734.8	722.7
72.5°	671.5	639.1	578.4	612.1	610.8
75°	543.4	513.7	450.3	512.4	517.8
77.5°	445.0	424.7	364.1	420.7	438.2
80°	377.5	335.7	306.1	342.5	365.4
82.5°	288.5	256.2	249.4	264.3	285.8
85°	191.5	179.3	184.7	190.1	203.6
87.5°	97.1	103.8	111.9	121.4	128.1
90°	0.0	0.0	0.0	0.0	0.0

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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	19.0	20.8	19.3	21.1	21.4	18.1	19.8	18.4	20.2	20.5
	3H	20.1	21.7	20.5	22.0	22.4	19.2	20.8	19.6	21.1	21.5
	4H	20.5	22.0	20.9	22.3	22.7	19.7	21.2	20.1	21.5	21.9
	6H	20.8	22.2	21.2	22.6	23.0	20.1	21.5	20.5	21.9	22.3
	8H	21.0	22.3	21.4	22.7	23.1	20.3	21.7	20.7	22.0	22.4
	12H	21.1	22.4	21.5	22.8	23.2	20.5	21.8	20.9	22.2	22.6
4H	2H	19.4	20.9	19.8	21.3	21.6	18.6	20.2	19.0	20.5	20.9
	3H	20.7	21.9	21.1	22.3	22.7	19.9	21.2	20.3	21.6	22.0
	4H	21.2	22.3	21.6	22.7	23.2	20.5	21.7	21.0	22.1	22.5
	6H	21.7	22.7	22.1	23.1	23.6	21.1	22.1	21.6	22.6	23.0
	8H	21.9	22.8	22.3	23.3	23.7	21.4	22.3	21.8	22.8	23.2
	12H	22.1	22.9	22.6	23.4	23.9	21.6	22.5	22.1	22.9	23.4
8H	4H	21.3	22.3	21.8	22.7	23.2	20.7	21.7	21.2	22.1	22.6
	6H	21.9	22.7	22.4	23.2	23.7	21.4	22.2	21.9	22.7	23.2
	8H	22.2	22.9	22.7	23.4	23.9	21.8	22.5	22.3	23.0	23.5
	12H	22.5	23.2	23.0	23.6	24.2	22.1	22.8	22.6	23.3	23.8
12H	4H	21.4	22.2	21.8	22.7	23.2	20.8	21.6	21.2	22.1	22.6
	6H	22.0	22.7	22.5	23.2	23.7	21.5	22.2	22.0	22.7	23.2
	8H	22.3	23.0	22.8	23.5	24.0	21.9	22.6	22.4	23.0	23.6















(END OF REPORT)