

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: P1526776

Luminaire Tested: 14CGTX-70HE-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-70HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

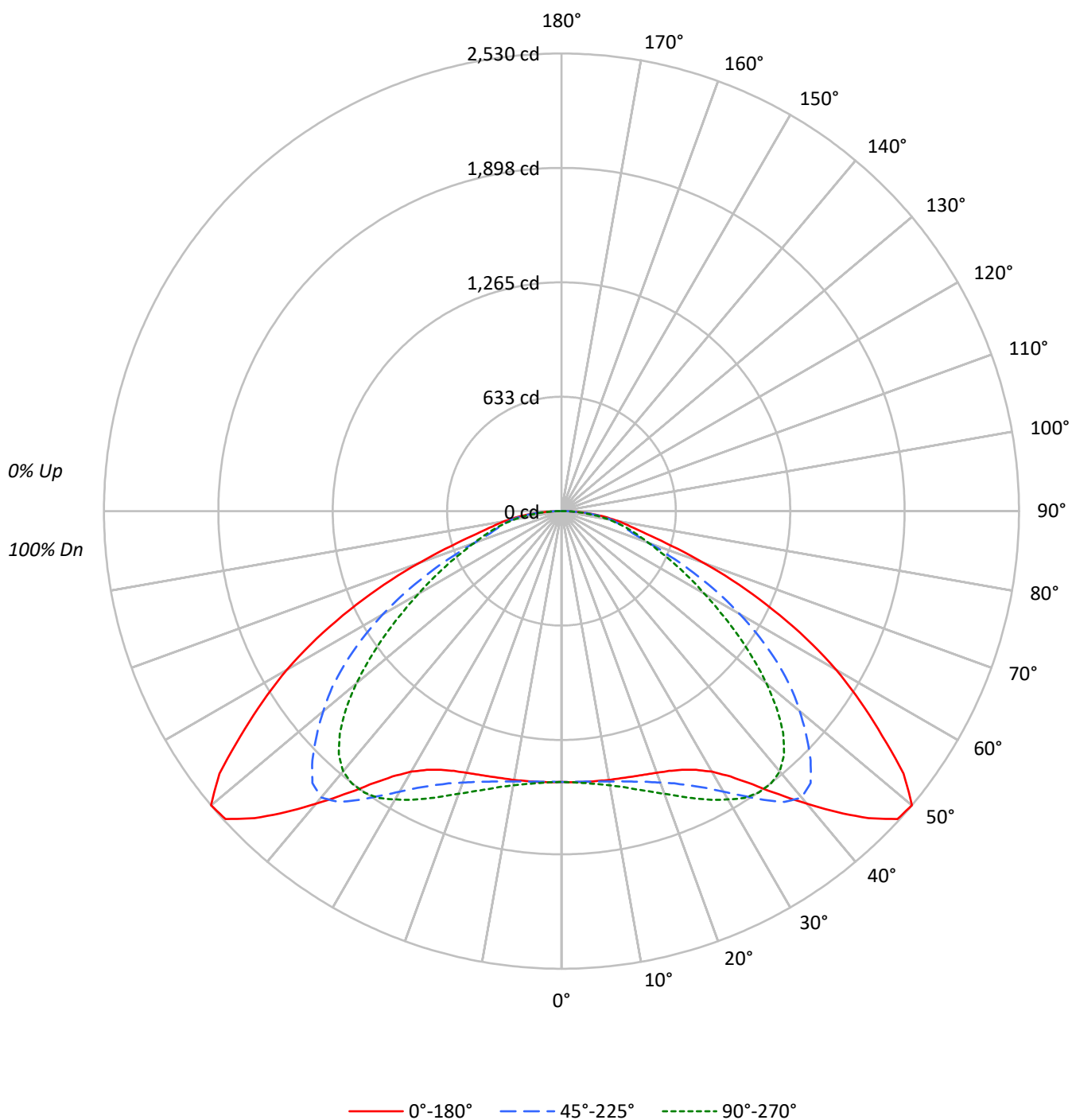
Lumens per Lamp: N/A
Luminaire Lumens: 7011.7 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85		83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70		68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49		47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42		39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36		34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31		29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27		25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24		22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22		20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4029	4029	4029
5°	4059	4054	4076
10°	4123	4145	4205
15°	4232	4313	4435
20°	4407	4572	4762
25°	4683	4964	5205
30°	5167	5563	5719
35°	6058	6402	6240
40°	7415	7259	6596
45°	9132	7416	6595
50°	10591	7201	6195
55°	10160	6827	5571
60°	9439	6126	4906
65°	8222	5131	4395
70°	6578	4034	4034
75°	5047	3825	4005
80°	4953	4417	4079
85°	4977	4894	3992

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10591 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	2.1
10°-20°	441.9	6.3
20°-30°	777.8	11.1
30°-40°	1204.9	17.2
40°-50°	1535.0	21.9
50°-60°	1396.6	19.9
60°-70°	905.7	12.9
70°-80°	440.5	6.3
80°-90°	165.0	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°	1363.9	19.5
0°-40°	2568.8	36.6
0°-60°	5500.5	78.4
0°-90°	7011.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7011.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1503	1504	1501	1504	1509	144
15°	1519	1529	1548	1577	1592	431
25°	1577	1610	1672	1731	1753	736
35°	1844	1924	1949	1917	1900	1174
45°	2400	2252	1949	1778	1733	1843
55°	2166	1900	1455	1254	1188	1933
65°	1291	1144	806	698	690	1279
75°	485	444	368	351	385	550
85°	161	176	158	145	129	175
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1497.1	1497.1	1497.1	1497.1	1497.1
2.5°	1499.8	1501.7	1497.1	1498.0	1500.7
5°	1502.6	1504.4	1500.7	1503.5	1508.9
7.5°	1504.4	1508.0	1508.0	1514.4	1521.7
10°	1508.9	1512.6	1517.1	1529.9	1539.0
12.5°	1512.6	1519.0	1529.9	1550.8	1560.8
15°	1519.0	1529.0	1548.1	1577.2	1591.8
17.5°	1527.2	1541.7	1569.0	1607.3	1624.6
20°	1539.0	1558.1	1596.4	1641.9	1662.8
22.5°	1554.5	1580.0	1629.1	1682.9	1705.6
25°	1577.2	1610.0	1671.9	1731.1	1753.0
27.5°	1611.8	1652.8	1723.9	1783.0	1799.4
30°	1662.8	1713.8	1790.3	1831.3	1840.4
32.5°	1738.4	1804.0	1865.0	1878.7	1880.5
35°	1844.1	1924.2	1948.8	1916.9	1899.6
37.5°	1973.4	2062.6	2026.2	1931.5	1900.5
40°	2110.9	2183.7	2066.3	1919.6	1877.8
42.5°	2256.6	2252.9	2038.9	1867.7	1822.2
45°	2399.6	2252.0	1948.8	1778.5	1733.0
47.5°	2519.8	2183.7	1836.8	1668.3	1614.6
50°	2529.8	2094.5	1720.2	1534.4	1479.8
52.5°	2384.1	2006.2	1597.3	1396.0	1333.2
55°	2165.5	1899.6	1455.2	1254.0	1187.5
57.5°	1958.8	1760.3	1300.4	1107.3	1041.8
60°	1753.9	1580.9	1138.3	965.3	911.6
62.5°	1527.2	1372.3	972.6	824.1	795.9
65°	1291.3	1143.8	805.9	698.5	690.3
67.5°	1062.7	927.0	646.6	580.1	590.1
70°	836.0	732.2	512.7	497.2	512.7
72.5°	635.6	577.4	417.1	420.7	446.2
75°	485.4	444.4	367.9	350.6	385.2
77.5°	388.8	362.4	326.0	300.5	326.0
80°	319.6	313.3	285.0	255.0	263.2
82.5°	241.3	245.9	224.0	208.5	198.5
85°	161.2	175.8	158.5	144.8	129.3
87.5°	81.0	98.3	83.8	74.7	66.5
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	21.2	22.9	21.6	23.2	23.6	17.7	19.5	18.1	19.8	20.1
	3H	22.5	24.0	22.9	24.4	24.7	19.0	20.6	19.4	20.9	21.3
	4H	22.8	24.3	23.2	24.7	25.0	19.6	21.1	20.0	21.4	21.8
	6H	23.1	24.5	23.5	24.9	25.3	20.1	21.5	20.6	21.9	22.3
	8H	23.3	24.6	23.7	25.0	25.4	20.4	21.7	20.8	22.1	22.5
	12H	23.4	24.6	23.8	25.0	25.4	20.5	21.8	21.0	22.2	22.6
4H	2H	21.4	22.8	21.8	23.2	23.6	18.4	19.9	18.8	20.2	20.6
	3H	22.8	24.1	23.2	24.5	24.9	19.9	21.1	20.3	21.5	21.9
	4H	23.3	24.4	23.7	24.8	25.3	20.5	21.6	21.0	22.1	22.5
	6H	23.8	24.7	24.2	25.2	25.6	21.2	22.2	21.7	22.6	23.1
	8H	24.0	24.9	24.4	25.3	25.8	21.5	22.4	22.0	22.9	23.3
	12H	24.1	25.0	24.6	25.4	25.9	21.8	22.6	22.2	23.1	23.5
8H	4H	23.4	24.3	23.9	24.8	25.2	20.9	21.8	21.3	22.2	22.7
	6H	24.0	24.8	24.5	25.2	25.7	21.7	22.5	22.2	23.0	23.4
	8H	24.3	25.0	24.8	25.5	26.0	22.1	22.8	22.6	23.3	23.8
	12H	24.6	25.2	25.1	25.7	26.2	22.5	23.1	23.0	23.6	24.1
12H	4H	23.4	24.2	23.9	24.7	25.2	20.9	21.8	21.4	22.2	22.7
	6H	24.0	24.7	24.5	25.2	25.7	21.9	22.5	22.4	23.0	23.5
	8H	24.4	25.0	24.9	25.5	26.0	22.3	22.9	22.8	23.4	24.0













(END OF REPORT)