

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: P1526773

Luminaire Tested: 14CGTX-70HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526773
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

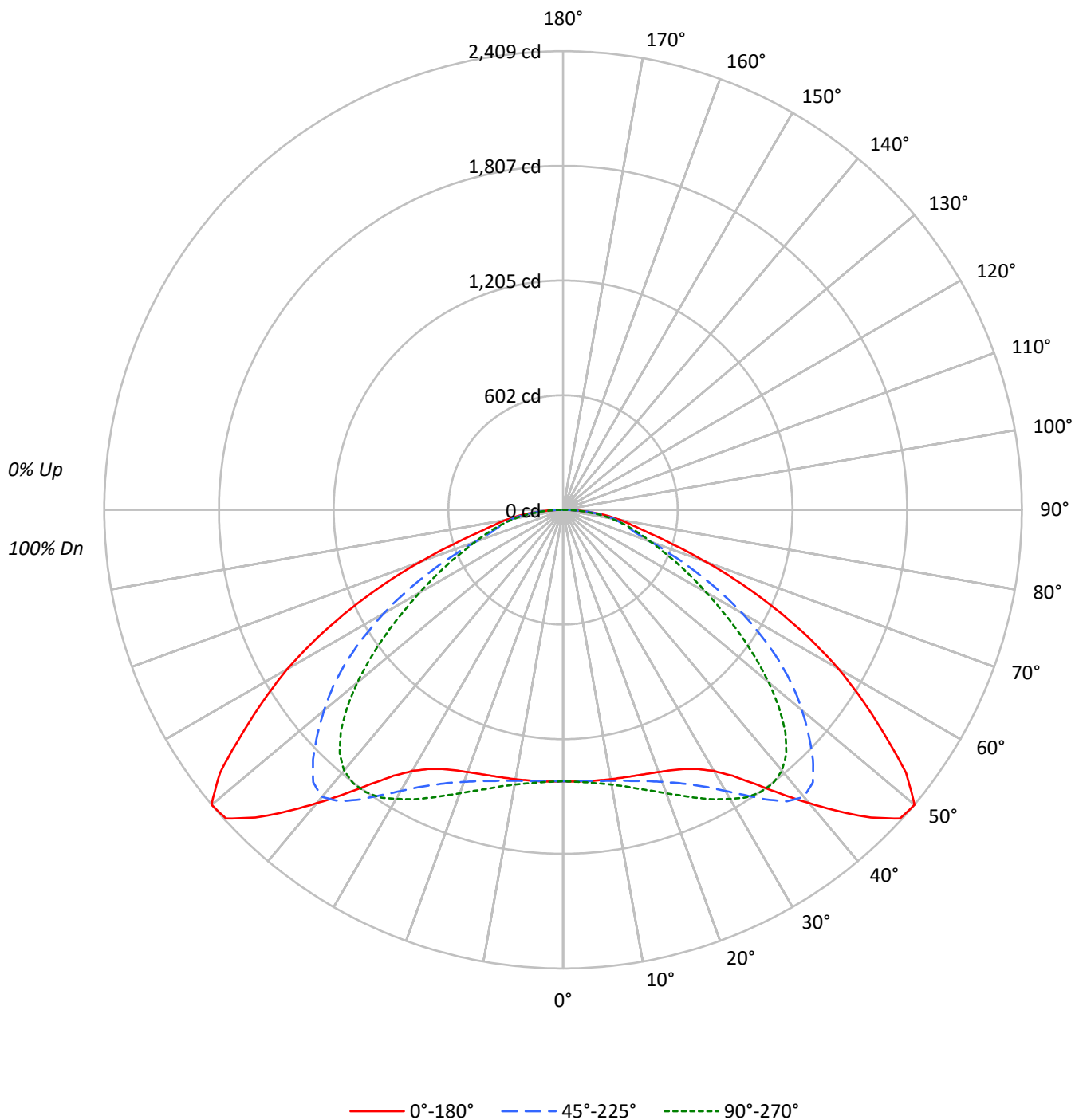
Lumens per Lamp: N/A
Luminaire Lumens: 6677.9 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	3837	3837	3837
5°	3866	3861	3882
10°	3927	3948	4005
15°	4030	4108	4223
20°	4197	4354	4535
25°	4460	4728	4957
30°	4921	5298	5446
35°	5769	6097	5943
40°	7062	6913	6282
45°	8697	7063	6281
50°	10086	6859	5900
55°	9676	6502	5306
60°	8990	5835	4673
65°	7831	4887	4186
70°	6264	3842	3842
75°	4807	3643	3815
80°	4717	4207	3883
85°	4739	4659	3804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.2	2.1
10°-20°	420.9	6.3
20°-30°	740.8	11.1
30°-40°	1147.6	17.2
40°-50°	1461.9	21.9
50°-60°	1330.1	19.9
60°-70°	862.6	12.9
70°-80°	419.6	6.3
80°-90°	157.2	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°	1298.9	19.5
0°-40°	2446.5	36.6
0°-60°	5238.5	78.4
0°-90°	6677.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6677.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1431	1433	1429	1432	1437	137
15°	1447	1456	1474	1502	1516	411
25°	1502	1533	1592	1649	1670	701
35°	1756	1833	1856	1826	1809	1119
45°	2285	2145	1856	1694	1650	1756
55°	2062	1809	1386	1194	1131	1841
65°	1230	1089	768	665	657	1218
75°	462	423	350	334	367	524
85°	154	167	151	138	123	167
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1425.8	1425.8	1425.8	1425.8	1425.8
2.5°	1428.4	1430.1	1425.8	1426.7	1429.3
5°	1431.0	1432.8	1429.3	1431.9	1437.1
7.5°	1432.8	1436.2	1436.2	1442.3	1449.2
10°	1437.1	1440.6	1444.9	1457.0	1465.7
12.5°	1440.6	1446.6	1457.0	1477.0	1486.5
15°	1446.6	1456.2	1474.4	1502.1	1516.0
17.5°	1454.4	1468.3	1494.3	1530.8	1547.2
20°	1465.7	1483.9	1520.3	1563.7	1583.7
22.5°	1480.5	1504.7	1551.6	1602.7	1624.4
25°	1502.1	1533.4	1592.3	1648.7	1669.5
27.5°	1535.1	1574.1	1641.8	1698.1	1713.8
30°	1583.7	1632.2	1705.1	1744.1	1752.8
32.5°	1655.6	1718.1	1776.2	1789.2	1790.9
35°	1756.2	1832.6	1856.0	1825.6	1809.2
37.5°	1879.4	1964.4	1929.7	1839.5	1810.0
40°	2010.4	2079.7	1967.9	1828.2	1788.3
42.5°	2149.1	2145.7	1941.8	1778.8	1735.4
45°	2285.3	2144.8	1856.0	1693.8	1650.4
47.5°	2399.8	2079.7	1749.3	1588.9	1537.7
50°	2409.3	1994.8	1638.3	1461.4	1409.3
52.5°	2270.5	1910.6	1521.2	1329.5	1269.7
55°	2062.4	1809.2	1385.9	1194.2	1130.9
57.5°	1865.5	1676.5	1238.5	1054.6	992.2
60°	1670.4	1505.6	1084.1	919.3	868.2
62.5°	1454.4	1307.0	926.3	784.9	758.0
65°	1229.8	1089.3	767.5	665.2	657.4
67.5°	1012.1	882.9	615.8	552.5	562.0
70°	796.2	697.3	488.3	473.5	488.3
72.5°	605.4	549.9	397.2	400.7	425.0
75°	462.3	423.2	350.4	333.9	366.9
77.5°	370.3	345.2	310.5	286.2	310.5
80°	304.4	298.3	271.5	242.8	250.6
82.5°	229.8	234.2	213.4	198.6	189.1
85°	153.5	167.4	150.9	137.9	123.2
87.5°	77.2	93.7	79.8	71.1	63.3
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	21.0	22.8	21.4	23.1	23.4	17.6	19.3	17.9	19.6	19.9
	3H	22.3	23.9	22.7	24.2	24.6	18.9	20.4	19.2	20.8	21.1
	4H	22.7	24.1	23.1	24.5	24.9	19.4	20.9	19.8	21.3	21.6
	6H	23.0	24.3	23.4	24.7	25.1	20.0	21.3	20.4	21.7	22.1
	8H	23.1	24.4	23.5	24.8	25.2	20.2	21.5	20.6	21.9	22.3
	12H	23.2	24.5	23.6	24.8	25.3	20.4	21.6	20.8	22.0	22.4
4H	2H	21.2	22.7	21.6	23.0	23.4	18.2	19.7	18.6	20.1	20.4
	3H	22.7	23.9	23.1	24.3	24.7	19.7	20.9	20.1	21.3	21.7
	4H	23.1	24.2	23.6	24.7	25.1	20.4	21.5	20.8	21.9	22.3
	6H	23.6	24.6	24.0	25.0	25.5	21.1	22.0	21.5	22.5	22.9
	8H	23.8	24.7	24.2	25.1	25.6	21.3	22.3	21.8	22.7	23.2
	12H	24.0	24.8	24.4	25.3	25.7	21.6	22.4	22.1	22.9	23.4
8H	4H	23.2	24.2	23.7	24.6	25.1	20.7	21.6	21.2	22.1	22.5
	6H	23.8	24.6	24.3	25.1	25.5	21.6	22.3	22.0	22.8	23.3
	8H	24.1	24.8	24.6	25.3	25.8	22.0	22.6	22.5	23.1	23.6
	12H	24.4	25.0	24.9	25.5	26.1	22.3	22.9	22.8	23.4	24.0
12H	4H	23.3	24.1	23.7	24.6	25.0	20.8	21.6	21.3	22.1	22.5
	6H	23.9	24.6	24.4	25.0	25.6	21.7	22.4	22.2	22.8	23.4
	8H	24.2	24.8	24.7	25.3	25.9	22.2	22.8	22.7	23.3	23.8















(END OF REPORT)