

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: P1526774

Luminaire Tested: 14CGTX-70HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526774
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

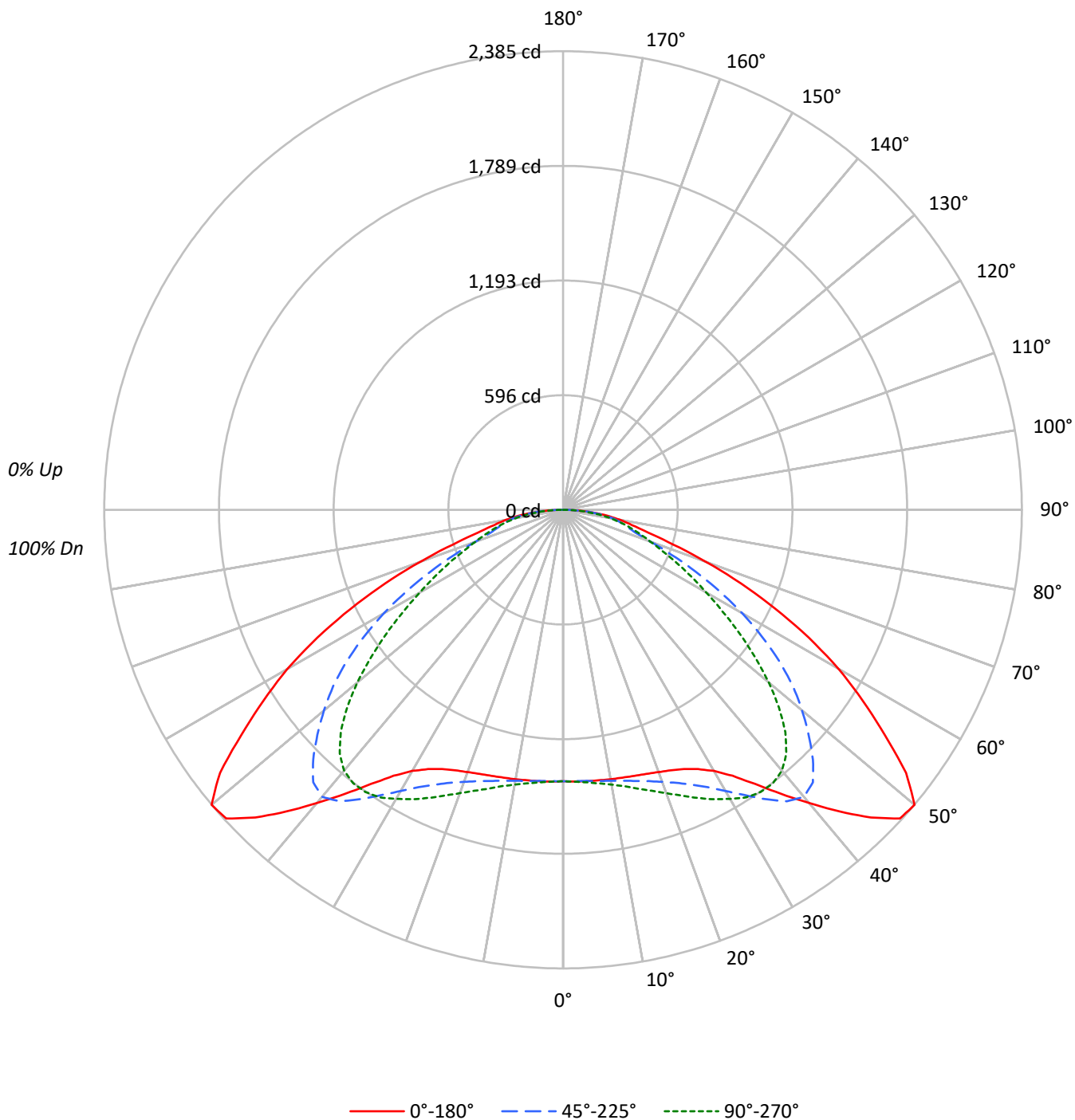
Lumens per Lamp: N/A
Luminaire Lumens: 6611.1 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526774

CATALOG NUMBER: 14CGTX-70HE-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1526774

CATALOG NUMBER: 14CGTX-70HE-A125-L835

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°	3799	3799	3799
5°	3827	3822	3843
10°	3888	3909	3965
15°	3990	4066	4181
20°	4155	4310	4490
25°	4415	4681	4907
30°	4872	5245	5392
35°	5712	6036	5884
40°	6992	6844	6219
45°	8610	6992	6218
50°	9985	6790	5841
55°	9579	6437	5253
60°	8900	5776	4626
65°	7752	4839	4144
70°	6201	3803	3803
75°	4758	3607	3776
80°	4671	4164	3845
85°	4693	4613	3764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 9985 cd/sqm

TEST NUMBER: P1526774

CATALOG NUMBER: 14CGTX-70HE-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	2.1
10°-20°	416.7	6.3
20°-30°	733.4	11.1
30°-40°	1136.1	17.2
40°-50°	1447.3	21.9
50°-60°	1316.8	19.9
60°-70°	854.0	12.9
70°-80°	415.4	6.3
80°-90°	155.6	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°	1285.9	19.5
0°-40°	2422.0	36.6
0°-60°	5186.2	78.4
0°-90°	6611.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6611.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1417	1418	1415	1418	1423	135
15°	1432	1442	1460	1487	1501	407
25°	1487	1518	1576	1632	1653	694
35°	1739	1814	1837	1807	1791	1107
45°	2262	2123	1837	1677	1634	1738
55°	2042	1791	1372	1182	1120	1823
65°	1218	1078	760	659	651	1206
75°	458	419	347	331	363	519
85°	152	166	149	136	122	165
90°	0	0	0	0	0	



TEST NUMBER: P1526774

CATALOG NUMBER: 14CGTX-70HE-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1411.6	1411.6	1411.6	1411.6	1411.6
2.5°	1414.1	1415.8	1411.6	1412.4	1415.0
5°	1416.7	1418.4	1415.0	1417.6	1422.7
7.5°	1418.4	1421.9	1421.9	1427.9	1434.7
10°	1422.7	1426.2	1430.4	1442.5	1451.1
12.5°	1426.2	1432.2	1442.5	1462.2	1471.7
15°	1432.2	1441.6	1459.6	1487.1	1500.9
17.5°	1439.9	1453.6	1479.4	1515.4	1531.8
20°	1451.1	1469.1	1505.1	1548.1	1567.8
22.5°	1465.6	1489.7	1536.1	1586.7	1608.2
25°	1487.1	1518.0	1576.4	1632.2	1652.8
27.5°	1519.7	1558.4	1625.3	1681.2	1696.6
30°	1567.8	1615.9	1688.0	1726.7	1735.3
32.5°	1639.1	1700.9	1758.4	1771.3	1773.0
35°	1738.7	1814.2	1837.4	1807.4	1791.1
37.5°	1860.6	1944.8	1910.4	1821.1	1791.9
40°	1990.3	2058.9	1948.2	1810.0	1770.5
42.5°	2127.6	2124.2	1922.4	1761.0	1718.1
45°	2262.4	2123.3	1837.4	1676.9	1633.9
47.5°	2375.8	2058.9	1731.8	1573.0	1522.3
50°	2385.2	1974.8	1621.9	1446.8	1395.2
52.5°	2247.8	1891.5	1506.0	1316.2	1257.0
55°	2041.8	1791.1	1372.1	1182.3	1119.6
57.5°	1846.9	1659.7	1226.1	1044.1	982.2
60°	1653.7	1490.5	1073.3	910.1	859.5
62.5°	1439.9	1293.9	917.0	777.0	750.4
65°	1217.5	1078.4	759.9	658.6	650.8
67.5°	1002.0	874.1	609.6	546.9	556.4
70°	788.2	690.3	483.4	468.8	483.4
72.5°	599.3	544.4	393.2	396.7	420.7
75°	457.6	419.0	346.9	330.6	363.2
77.5°	366.6	341.7	307.4	283.3	307.4
80°	301.4	295.4	268.7	240.4	248.1
82.5°	227.5	231.8	211.2	196.6	187.2
85°	152.0	165.7	149.4	136.5	121.9
87.5°	76.4	92.7	79.0	70.4	62.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526774

CATALOG NUMBER: 14CGTX-70HE-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	21.0	22.7	21.4	23.0	23.4	17.5	19.3	17.9	19.6	19.9
	3H	22.3	23.8	22.7	24.2	24.5	18.8	20.4	19.2	20.7	21.1
	4H	22.6	24.1	23.0	24.5	24.8	19.4	20.9	19.8	21.2	21.6
	6H	22.9	24.3	23.3	24.7	25.1	19.9	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	24.4	23.6	24.8	25.2	20.3	21.6	20.8	22.0	22.4
4H	2H	21.2	22.6	21.6	23.0	23.3	18.2	19.7	18.6	20.0	20.4
	3H	22.6	23.9	23.0	24.2	24.6	19.7	20.9	20.1	21.3	21.7
	4H	23.1	24.2	23.5	24.6	25.1	20.3	21.4	20.8	21.9	22.3
	6H	23.5	24.5	24.0	25.0	25.4	21.0	22.0	21.5	22.4	22.9
	8H	23.8	24.7	24.2	25.1	25.6	21.3	22.2	21.8	22.7	23.1
	12H	23.9	24.8	24.4	25.2	25.7	21.6	22.4	22.0	22.9	23.3
8H	4H	23.2	24.1	23.7	24.6	25.0	20.7	21.6	21.1	22.0	22.5
	6H	23.8	24.5	24.3	25.0	25.5	21.5	22.3	22.0	22.8	23.2
	8H	24.1	24.8	24.6	25.3	25.8	21.9	22.6	22.4	23.1	23.6
	12H	24.4	25.0	24.9	25.5	26.0	22.3	22.9	22.8	23.4	23.9
12H	4H	23.2	24.0	23.7	24.5	25.0	20.7	21.6	21.2	22.0	22.5
	6H	23.8	24.5	24.3	25.0	25.5	21.6	22.3	22.2	22.8	23.3
	8H	24.2	24.8	24.7	25.3	25.8	22.1	22.7	22.6	23.2	23.8















(END OF REPORT)