

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: P1526779

Luminaire Tested: 14CGTX-70HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526779
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

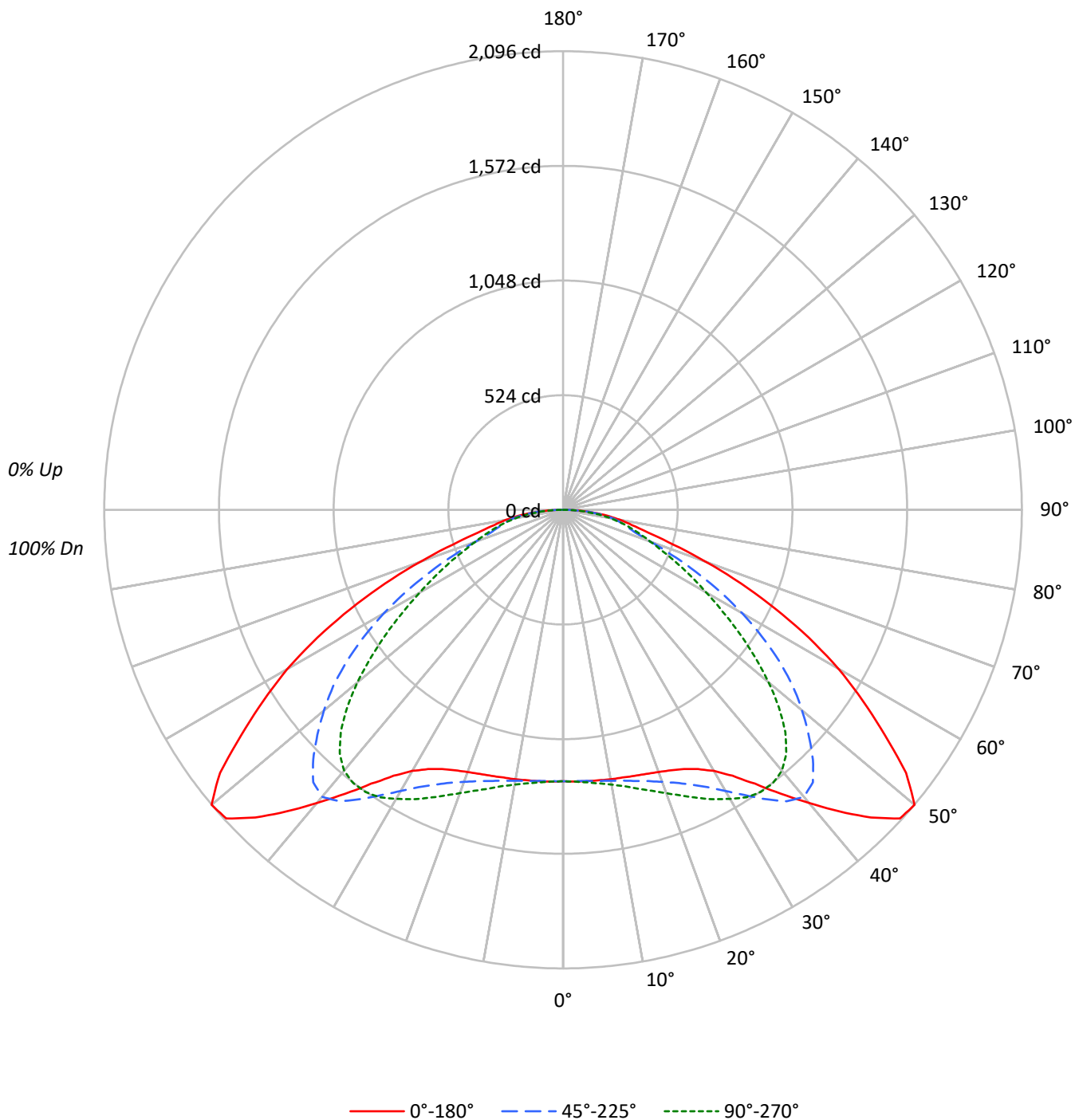
Lumens per Lamp: N/A
Luminaire Lumens: 5809.7 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3338	3338	3338
5°	3363	3359	3377
10°	3416	3435	3484
15°	3506	3573	3674
20°	3652	3788	3946
25°	3880	4113	4313
30°	4281	4609	4738
35°	5019	5304	5171
40°	6144	6014	5466
45°	7566	6145	5464
50°	8775	5967	5133
55°	8418	5657	4616
60°	7821	5076	4065
65°	6812	4252	3642
70°	5450	3342	3342
75°	4182	3169	3319
80°	4104	3660	3380
85°	4125	4054	3307

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	2.1
10°-20°	366.2	6.3
20°-30°	644.5	11.1
30°-40°	998.4	17.2
40°-50°	1271.9	21.9
50°-60°	1157.2	19.9
60°-70°	750.4	12.9
70°-80°	365.0	6.3
80°-90°	136.7	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°	1130.1	19.5
0°-40°	2128.4	36.6
0°-60°	4557.5	78.4
0°-90°	5809.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5809.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1245	1246	1244	1246	1250	119
15°	1259	1267	1283	1307	1319	358
25°	1307	1334	1385	1434	1452	610
35°	1528	1594	1615	1588	1574	973
45°	1988	1866	1615	1474	1436	1527
55°	1794	1574	1206	1039	984	1602
65°	1070	948	668	579	572	1059
75°	402	368	305	290	319	456
85°	134	146	131	120	107	145
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1240.5	1240.5	1240.5	1240.5	1240.5
2.5°	1242.7	1244.2	1240.5	1241.2	1243.5
5°	1245.0	1246.5	1243.5	1245.7	1250.3
7.5°	1246.5	1249.5	1249.5	1254.8	1260.8
10°	1250.3	1253.3	1257.1	1267.6	1275.2
12.5°	1253.3	1258.6	1267.6	1285.0	1293.3
15°	1258.6	1266.9	1282.7	1306.9	1318.9
17.5°	1265.4	1277.4	1300.1	1331.8	1346.1
20°	1275.2	1291.0	1322.7	1360.4	1377.8
22.5°	1288.0	1309.1	1349.9	1394.4	1413.2
25°	1306.9	1334.0	1385.3	1434.4	1452.5
27.5°	1335.5	1369.5	1428.3	1477.4	1491.0
30°	1377.8	1420.0	1483.4	1517.4	1524.9
32.5°	1440.4	1494.7	1545.3	1556.6	1558.1
35°	1527.9	1594.3	1614.7	1588.3	1574.0
37.5°	1635.1	1709.0	1678.8	1600.4	1574.7
40°	1749.0	1809.4	1712.0	1590.6	1555.9
42.5°	1869.7	1866.7	1689.4	1547.6	1509.8
45°	1988.2	1866.0	1614.7	1473.6	1435.9
47.5°	2087.8	1809.4	1521.9	1382.3	1337.8
50°	2096.1	1735.4	1425.3	1271.4	1226.1
52.5°	1975.4	1662.2	1323.5	1156.7	1104.6
55°	1794.3	1574.0	1205.7	1039.0	983.9
57.5°	1623.0	1458.5	1077.5	917.5	863.2
60°	1453.2	1309.9	943.2	799.8	755.3
62.5°	1265.4	1137.1	805.8	682.9	659.5
65°	1069.9	947.7	667.8	578.7	571.9
67.5°	880.5	768.1	535.7	480.6	488.9
70°	692.7	606.6	424.8	412.0	424.8
72.5°	526.7	478.4	345.6	348.6	369.7
75°	402.2	368.2	304.8	290.5	319.2
77.5°	322.2	300.3	270.1	249.0	270.1
80°	264.8	259.6	236.2	211.3	218.1
82.5°	200.0	203.7	185.6	172.8	164.5
85°	133.6	145.6	131.3	120.0	107.1
87.5°	67.2	81.5	69.4	61.9	55.1
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	20.5	22.3	20.9	22.6	22.9	17.1	18.8	17.5	19.1	19.5
	3H	21.8	23.4	22.2	23.7	24.1	18.4	19.9	18.8	20.3	20.6
	4H	22.2	23.7	22.6	24.0	24.4	19.0	20.4	19.3	20.8	21.1
	6H	22.5	23.9	22.9	24.2	24.6	19.5	20.9	19.9	21.2	21.6
	8H	22.6	23.9	23.0	24.3	24.7	19.7	21.0	20.1	21.4	21.8
	12H	22.7	24.0	23.2	24.4	24.8	19.9	21.1	20.3	21.5	22.0
4H	2H	20.7	22.2	21.1	22.5	22.9	17.8	19.2	18.2	19.6	20.0
	3H	22.2	23.4	22.6	23.8	24.2	19.2	20.4	19.6	20.8	21.2
	4H	22.6	23.8	23.1	24.2	24.6	19.9	21.0	20.3	21.4	21.8
	6H	23.1	24.1	23.6	24.5	25.0	20.6	21.5	21.0	22.0	22.4
	8H	23.3	24.2	23.8	24.7	25.1	20.9	21.8	21.3	22.2	22.7
	12H	23.5	24.3	24.0	24.8	25.3	21.1	21.9	21.6	22.4	22.9
8H	4H	22.8	23.7	23.2	24.1	24.6	20.2	21.1	20.7	21.6	22.0
	6H	23.3	24.1	23.8	24.6	25.1	21.1	21.8	21.6	22.3	22.8
	8H	23.6	24.3	24.1	24.8	25.3	21.5	22.2	22.0	22.7	23.1
	12H	23.9	24.5	24.4	25.0	25.6	21.8	22.4	22.3	22.9	23.5
12H	4H	22.8	23.6	23.2	24.1	24.5	20.3	21.1	20.8	21.6	22.1
	6H	23.4	24.1	23.9	24.5	25.1	21.2	21.9	21.7	22.3	22.9
	8H	23.7	24.3	24.2	24.8	25.4	21.7	22.3	22.2	22.8	23.3















(END OF REPORT)