

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: P1526778

Luminaire Tested: 14CGTX-70HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526778
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

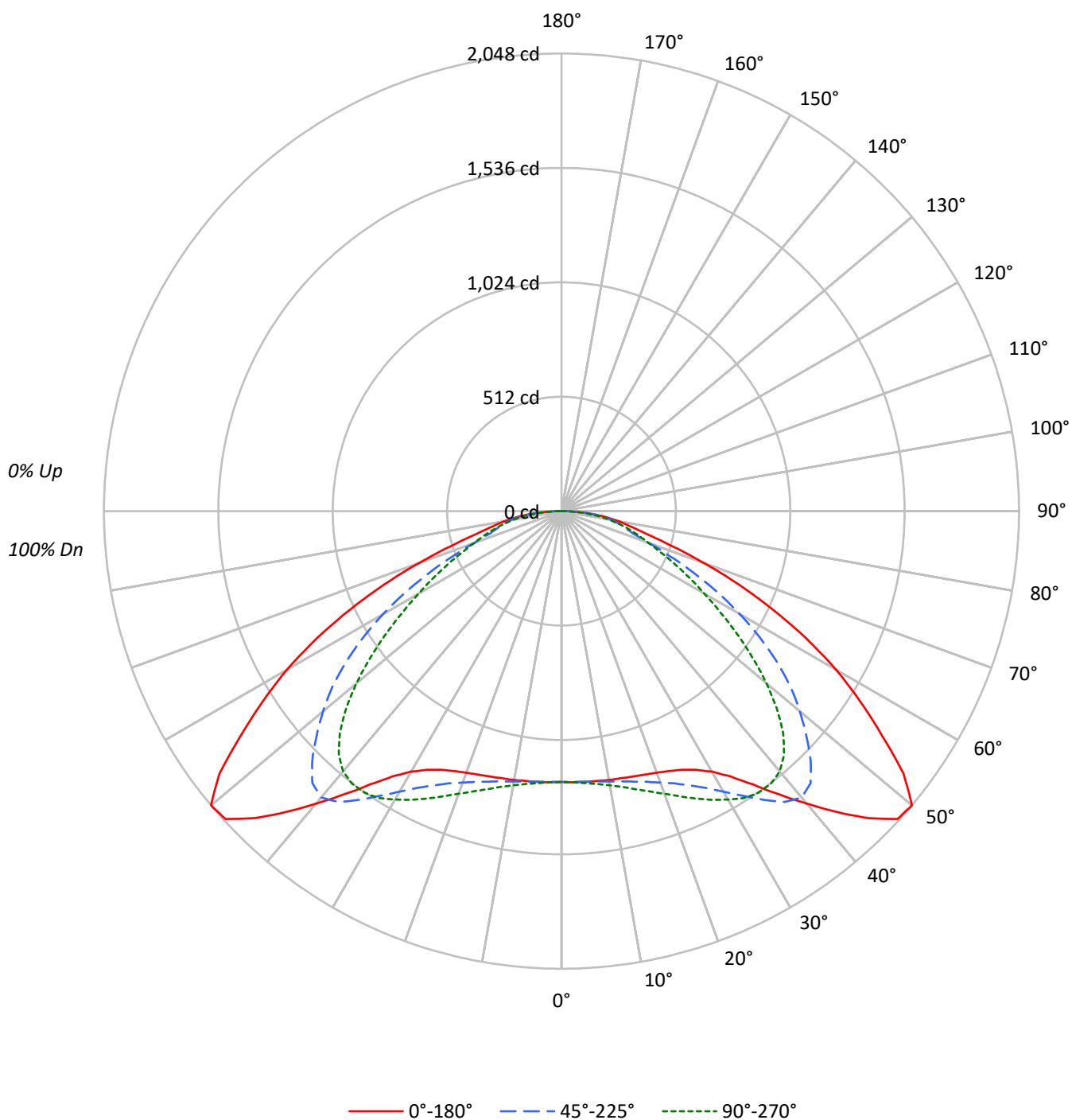
Lumens per Lamp: N/A
Luminaire Lumens: 5676.1 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3261	3261	3261
5°	3286	3282	3300
10°	3338	3356	3404
15°	3426	3491	3590
20°	3568	3701	3855
25°	3791	4019	4214
30°	4183	4503	4630
35°	4904	5183	5052
40°	6003	5876	5340
45°	7392	6004	5339
50°	8573	5830	5015
55°	8224	5527	4510
60°	7641	4959	3971
65°	6656	4154	3558
70°	5324	3265	3265
75°	4085	3096	3242
80°	4011	3575	3301
85°	4029	3961	3233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 8573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	2.1
10°-20°	357.8	6.3
20°-30°	629.7	11.1
30°-40°	975.4	17.2
40°-50°	1242.7	21.9
50°-60°	1130.6	19.9
60°-70°	733.2	12.9
70°-80°	356.6	6.3
80°-90°	133.6	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°	1104.1	19.5
0°-40°	2079.5	36.6
0°-60°	4452.8	78.4
0°-90°	5676.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5676.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1216	1218	1215	1217	1222	116
15°	1230	1238	1253	1277	1289	349
25°	1277	1303	1354	1401	1419	596
35°	1493	1558	1578	1552	1538	951
45°	1942	1823	1578	1440	1403	1492
55°	1753	1538	1178	1015	961	1565
65°	1045	926	652	565	559	1035
75°	393	360	298	284	312	445
85°	130	142	128	117	105	142
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1211.9	1211.9	1211.9	1211.9	1211.9
2.5°	1214.2	1215.6	1211.9	1212.7	1214.9
5°	1216.4	1217.8	1214.9	1217.1	1221.5
7.5°	1217.8	1220.8	1220.8	1225.9	1231.8
10°	1221.5	1224.5	1228.2	1238.5	1245.9
12.5°	1224.5	1229.6	1238.5	1255.4	1263.5
15°	1229.6	1237.7	1253.2	1276.8	1288.6
17.5°	1236.3	1248.1	1270.2	1301.1	1315.1
20°	1245.9	1261.3	1292.3	1329.2	1346.1
22.5°	1258.4	1279.0	1318.8	1362.3	1380.8
25°	1276.8	1303.4	1353.5	1401.4	1419.1
27.5°	1304.8	1338.0	1395.5	1443.4	1456.7
30°	1346.1	1387.4	1449.3	1482.5	1489.9
32.5°	1407.3	1460.4	1509.8	1520.8	1522.3
35°	1492.8	1557.7	1577.6	1551.8	1537.8
37.5°	1597.5	1669.7	1640.2	1563.6	1538.5
40°	1708.8	1767.8	1672.7	1554.0	1520.1
42.5°	1826.8	1823.8	1650.6	1512.0	1475.1
45°	1942.5	1823.1	1577.6	1439.7	1402.9
47.5°	2039.8	1767.8	1486.9	1350.5	1307.0
50°	2047.9	1695.5	1392.6	1242.2	1197.9
52.5°	1930.0	1624.0	1293.0	1130.1	1079.2
55°	1753.0	1537.8	1178.0	1015.1	961.3
57.5°	1585.7	1425.0	1052.7	896.4	843.3
60°	1419.8	1279.8	921.5	781.4	737.9
62.5°	1236.3	1110.9	787.3	667.2	644.3
65°	1045.3	925.9	652.4	565.4	558.8
67.5°	860.3	750.5	523.4	469.6	477.7
70°	676.7	592.7	415.0	402.5	415.0
72.5°	514.6	467.4	337.6	340.6	361.2
75°	392.9	359.7	297.8	283.8	311.8
77.5°	314.8	293.4	263.9	243.3	263.9
80°	258.8	253.6	230.7	206.4	213.0
82.5°	195.4	199.0	181.3	168.8	160.7
85°	130.5	142.3	128.3	117.2	104.7
87.5°	65.6	79.6	67.8	60.4	53.8
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	22.2	20.8	22.5	22.8	17.0	18.7	17.4	19.1	19.4
	3H	21.7	23.3	22.1	23.6	24.0	18.3	19.9	18.7	20.2	20.5
	4H	22.1	23.6	22.5	23.9	24.3	18.9	20.3	19.3	20.7	21.1
	6H	22.4	23.8	22.8	24.1	24.5	19.4	20.8	19.8	21.1	21.5
	8H	22.5	23.8	23.0	24.2	24.6	19.6	20.9	20.1	21.3	21.7
	12H	22.6	23.9	23.1	24.3	24.7	19.8	21.1	20.2	21.4	21.9
4H	2H	20.6	22.1	21.0	22.4	22.8	17.7	19.2	18.1	19.5	19.9
	3H	22.1	23.3	22.5	23.7	24.1	19.1	20.4	19.5	20.8	21.2
	4H	22.6	23.7	23.0	24.1	24.5	19.8	20.9	20.2	21.3	21.8
	6H	23.0	24.0	23.5	24.4	24.9	20.5	21.5	20.9	21.9	22.4
	8H	23.2	24.1	23.7	24.6	25.0	20.8	21.7	21.2	22.1	22.6
	12H	23.4	24.2	23.9	24.7	25.2	21.0	21.9	21.5	22.3	22.8
8H	4H	22.7	23.6	23.1	24.0	24.5	20.1	21.1	20.6	21.5	22.0
	6H	23.3	24.0	23.7	24.5	25.0	21.0	21.8	21.5	22.2	22.7
	8H	23.5	24.2	24.1	24.7	25.2	21.4	22.1	21.9	22.6	23.1
	12H	23.8	24.4	24.3	24.9	25.5	21.8	22.4	22.3	22.9	23.4
12H	4H	22.7	23.5	23.2	24.0	24.5	20.2	21.0	20.7	21.5	22.0
	6H	23.3	24.0	23.8	24.5	25.0	21.1	21.8	21.6	22.3	22.8
	8H	23.6	24.3	24.1	24.7	25.3	21.6	22.2	22.1	22.7	23.2















(END OF REPORT)