

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: P1526777

Luminaire Tested: 14CGTX-70HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526777
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

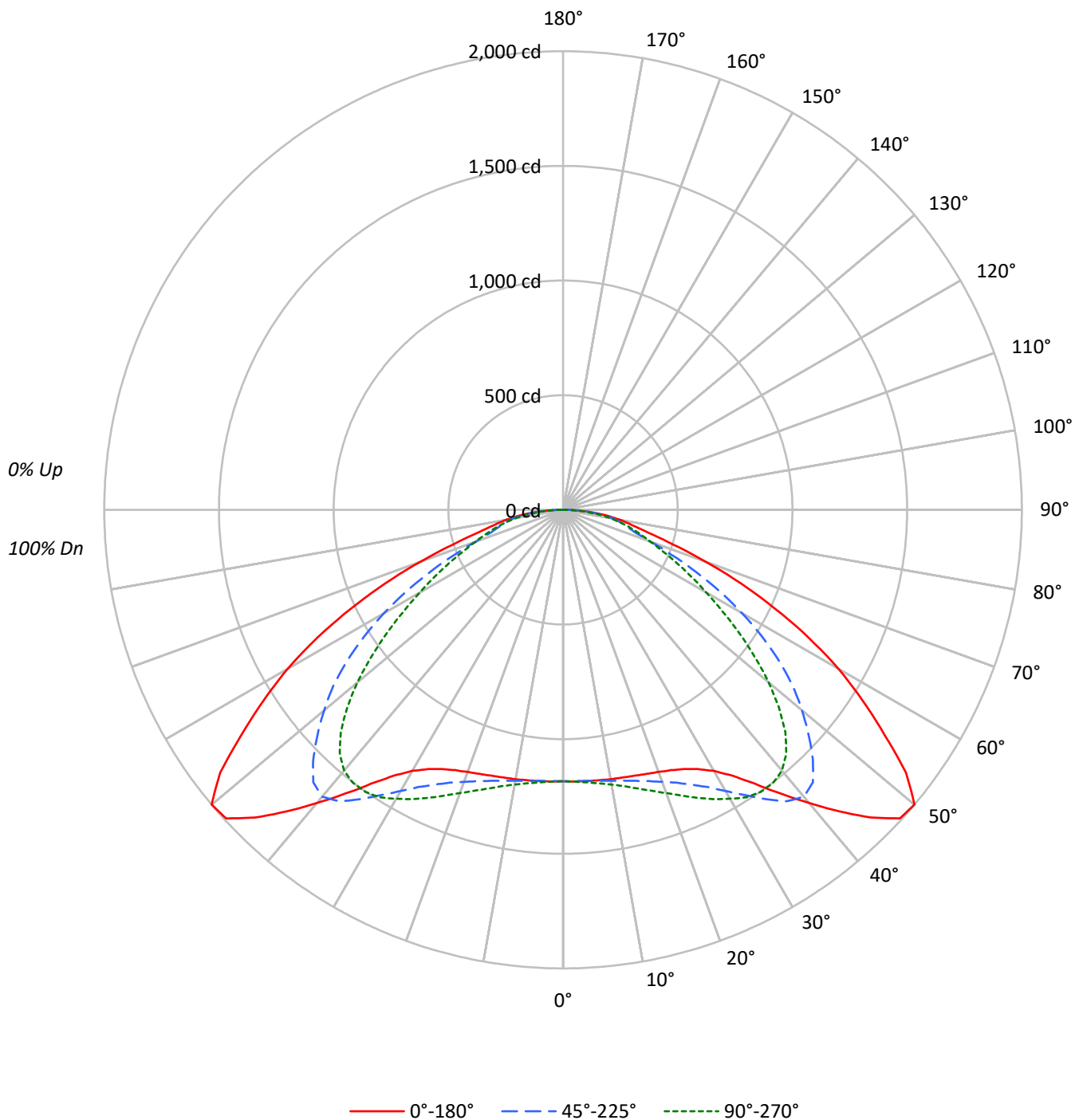
Lumens per Lamp: N/A
Luminaire Lumens: 5542.6 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3185	3185	3185
5°	3208	3205	3222
10°	3259	3277	3324
15°	3345	3409	3506
20°	3484	3614	3764
25°	3702	3924	4114
30°	4084	4397	4520
35°	4789	5061	4933
40°	5861	5737	5214
45°	7218	5863	5213
50°	8372	5693	4897
55°	8031	5397	4404
60°	7462	4843	3878
65°	6499	4057	3474
70°	5199	3189	3189
75°	3989	3023	3166
80°	3916	3491	3223
85°	3934	3869	3155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8372 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	2.1
10°-20°	349.3	6.3
20°-30°	614.9	11.1
30°-40°	952.5	17.2
40°-50°	1213.4	21.9
50°-60°	1104.0	19.9
60°-70°	715.9	12.9
70°-80°	348.2	6.3
80°-90°	130.5	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°	1078.1	19.5
0°-40°	2030.6	36.6
0°-60°	4348.0	78.4
0°-90°	5542.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5542.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1188	1189	1186	1188	1193	113
15°	1201	1209	1224	1247	1258	341
25°	1247	1273	1322	1368	1386	582
35°	1458	1521	1540	1515	1502	928
45°	1897	1780	1540	1406	1370	1457
55°	1712	1502	1150	991	939	1528
65°	1021	904	637	552	546	1011
75°	384	351	291	277	304	435
85°	127	139	125	114	102	138
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1183.4	1183.4	1183.4	1183.4	1183.4
2.5°	1185.6	1187.0	1183.4	1184.1	1186.3
5°	1187.7	1189.2	1186.3	1188.5	1192.8
7.5°	1189.2	1192.1	1192.1	1197.1	1202.9
10°	1192.8	1195.7	1199.3	1209.3	1216.5
12.5°	1195.7	1200.7	1209.3	1225.9	1233.8
15°	1200.7	1208.6	1223.7	1246.8	1258.3
17.5°	1207.2	1218.7	1240.3	1270.5	1284.2
20°	1216.5	1231.7	1261.9	1297.9	1314.4
22.5°	1228.8	1248.9	1287.8	1330.3	1348.3
25°	1246.8	1272.7	1321.6	1368.4	1385.7
27.5°	1274.1	1306.5	1362.7	1409.5	1422.4
30°	1314.4	1354.7	1415.2	1447.6	1454.8
32.5°	1374.2	1426.0	1474.2	1485.0	1486.5
35°	1457.7	1521.0	1540.5	1515.3	1501.6
37.5°	1559.9	1630.4	1601.7	1526.8	1502.3
40°	1668.6	1726.2	1633.3	1517.4	1484.3
42.5°	1783.8	1780.9	1611.7	1476.4	1440.4
45°	1896.8	1780.2	1540.5	1405.9	1369.9
47.5°	1991.8	1726.2	1451.9	1318.8	1276.3
50°	1999.7	1655.6	1359.8	1212.9	1169.7
52.5°	1884.6	1585.8	1262.6	1103.5	1053.9
55°	1711.8	1501.6	1150.3	991.2	938.7
57.5°	1548.4	1391.5	1027.9	875.3	823.5
60°	1386.4	1249.7	899.8	763.0	720.6
62.5°	1207.2	1084.8	768.8	651.5	629.1
65°	1020.7	904.1	637.1	552.1	545.6
67.5°	840.1	732.8	511.1	458.5	466.5
70°	660.8	578.8	405.3	393.0	405.3
72.5°	502.5	456.4	329.7	332.6	352.7
75°	383.7	351.3	290.8	277.1	304.5
77.5°	307.4	286.5	257.7	237.5	257.7
80°	252.7	247.6	225.3	201.6	208.0
82.5°	190.8	194.4	177.1	164.8	156.9
85°	127.4	138.9	125.3	114.5	102.2
87.5°	64.1	77.7	66.2	59.0	52.5
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	20.4	22.1	20.7	22.4	22.7	16.9	18.7	17.3	19.0	19.3
	3H	21.7	23.2	22.0	23.6	23.9	18.2	19.8	18.6	20.1	20.5
	4H	22.0	23.5	22.4	23.8	24.2	18.8	20.3	19.2	20.6	21.0
	6H	22.3	23.7	22.7	24.1	24.4	19.3	20.7	19.7	21.1	21.4
	8H	22.5	23.8	22.9	24.1	24.5	19.6	20.9	20.0	21.2	21.6
	12H	22.6	23.8	23.0	24.2	24.6	19.7	21.0	20.2	21.4	21.8
4H	2H	20.5	22.0	20.9	22.4	22.7	17.6	19.1	18.0	19.4	19.8
	3H	22.0	23.2	22.4	23.6	24.0	19.0	20.3	19.5	20.7	21.1
	4H	22.5	23.6	22.9	24.0	24.4	19.7	20.8	20.1	21.2	21.7
	6H	22.9	23.9	23.4	24.4	24.8	20.4	21.4	20.9	21.8	22.3
	8H	23.1	24.1	23.6	24.5	25.0	20.7	21.6	21.2	22.1	22.5
	12H	23.3	24.1	23.8	24.6	25.1	20.9	21.8	21.4	22.2	22.7
8H	4H	22.6	23.5	23.0	23.9	24.4	20.1	21.0	20.5	21.4	21.9
	6H	23.2	23.9	23.7	24.4	24.9	20.9	21.7	21.4	22.2	22.6
	8H	23.5	24.2	24.0	24.7	25.1	21.3	22.0	21.8	22.5	23.0
	12H	23.8	24.4	24.3	24.9	25.4	21.7	22.3	22.2	22.8	23.3
12H	4H	22.6	23.4	23.1	23.9	24.4	20.1	21.0	20.6	21.4	21.9
	6H	23.2	23.9	23.7	24.4	24.9	21.0	21.7	21.6	22.2	22.7
	8H	23.6	24.2	24.1	24.7	25.2	21.5	22.1	22.0	22.6	23.2















(END OF REPORT)