

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: P1526910

Luminaire Tested: 24CGTX-55-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-55-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

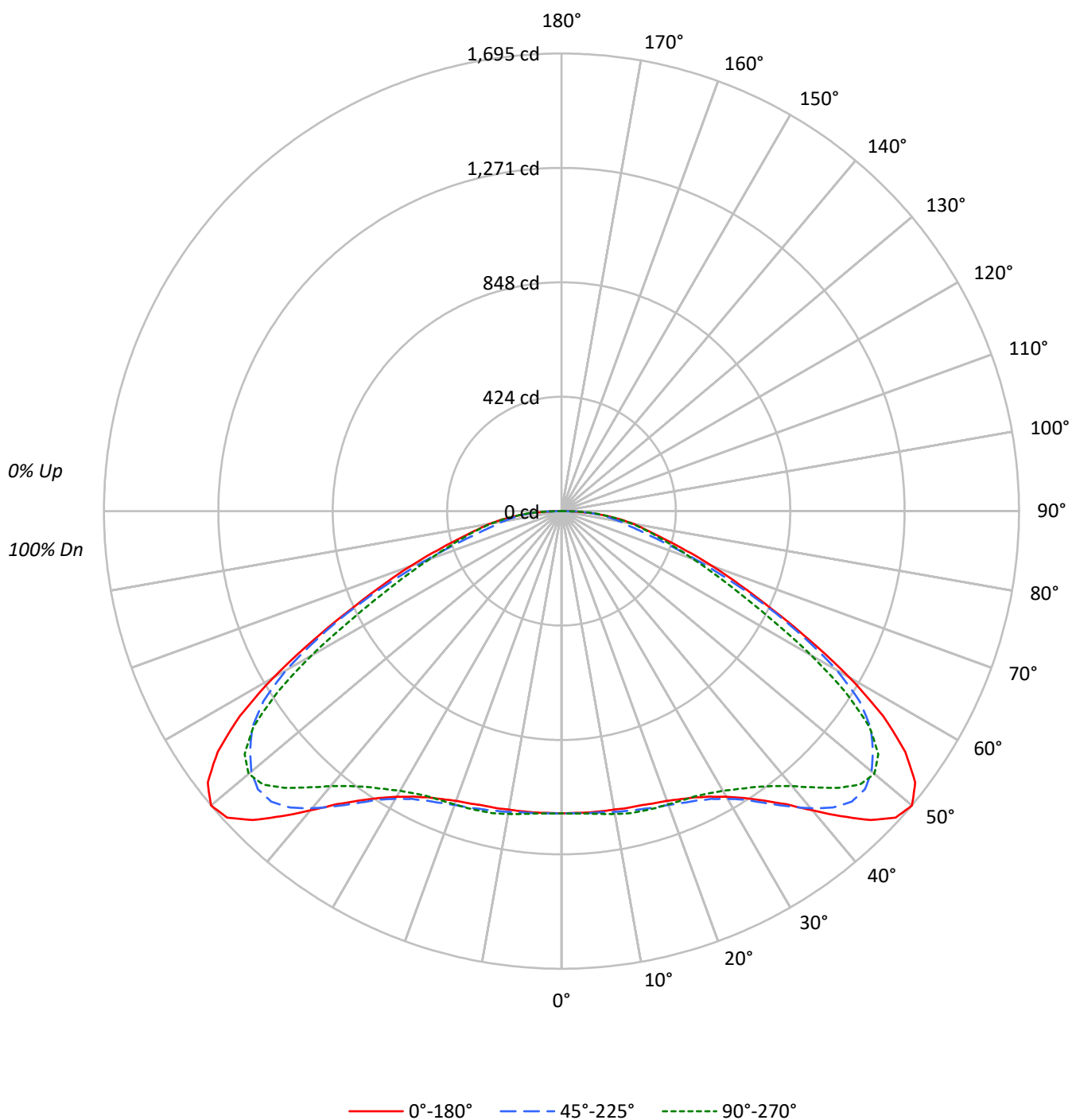
Lumens per Lamp: N/A
Luminaire Lumens: 5588.3 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.1
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84		82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68		66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56		54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47		44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39		37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34		31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29		27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25		23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22		20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1506	1506	1506
5°	1513	1516	1519
10°	1533	1545	1556
15°	1572	1592	1602
20°	1635	1658	1655
25°	1737	1757	1731
30°	1897	1911	1858
35°	2149	2168	2049
40°	2541	2524	2335
45°	3078	2894	2758
50°	3548	3139	3168
55°	3647	3280	3268
60°	3314	3169	2877
65°	2741	2692	2347
70°	2341	2109	2040
75°	2027	1680	1931
80°	2099	1702	2032
85°	2121	2047	2255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3650 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	1.9
10°-20°	324.0	5.8
20°-30°	547.3	9.8
30°-40°	823.9	14.7
40°-50°	1171.6	21.0
50°-60°	1257.3	22.5
60°-70°	819.4	14.7
70°-80°	394.0	7.0
80°-90°	143.4	2.6
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°	978.8	17.5
0°-40°	1802.7	32.3
0°-60°	4231.5	75.7
0°-90°	5588.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5588.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1120	1121	1122	1126	1124	107
15°	1128	1134	1143	1150	1150	321
25°	1170	1180	1183	1173	1166	545
35°	1308	1333	1320	1275	1247	830
45°	1618	1578	1521	1481	1449	1242
55°	1555	1515	1398	1358	1393	1360
65°	861	854	846	755	737	871
75°	390	369	323	368	372	428
85°	137	129	133	136	146	150
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1119.5	1119.5	1119.5	1119.5	1119.5
2.5°	1118.5	1119.5	1120.4	1121.4	1121.4
5°	1120.4	1121.4	1122.4	1126.2	1124.3
7.5°	1121.4	1122.4	1125.3	1131.1	1131.1
10°	1122.4	1125.3	1131.1	1136.9	1138.8
12.5°	1126.2	1129.2	1136.9	1144.6	1146.6
15°	1128.2	1134.0	1142.7	1149.5	1150.4
17.5°	1135.0	1140.8	1150.4	1153.3	1153.3
20°	1141.7	1149.5	1158.2	1158.2	1156.2
22.5°	1154.3	1163.0	1169.8	1164.0	1160.1
25°	1169.8	1180.4	1183.3	1172.7	1165.9
27.5°	1192.0	1205.6	1201.7	1187.2	1178.5
30°	1221.1	1238.5	1229.8	1208.5	1195.9
32.5°	1259.8	1281.1	1266.5	1239.5	1220.1
35°	1308.2	1333.3	1319.8	1275.3	1247.2
37.5°	1368.1	1394.3	1377.8	1320.7	1283.0
40°	1446.5	1460.1	1436.8	1374.9	1329.4
42.5°	1531.7	1524.9	1489.1	1432.0	1387.5
45°	1617.8	1578.1	1521.0	1481.3	1449.4
47.5°	1679.7	1606.2	1524.9	1504.6	1498.8
50°	1695.2	1600.4	1499.7	1492.0	1513.3
52.5°	1651.6	1569.4	1454.3	1440.7	1479.4
55°	1554.9	1515.2	1398.1	1357.5	1393.3
57.5°	1412.6	1409.7	1309.1	1236.6	1246.2
60°	1231.7	1243.3	1177.5	1075.0	1069.2
62.5°	1036.3	1043.0	1014.0	907.6	887.3
65°	861.1	854.4	845.7	754.7	737.3
67.5°	717.0	696.6	683.1	628.0	619.2
70°	595.1	563.1	536.0	527.3	518.6
72.5°	481.8	458.6	415.1	439.3	438.3
75°	389.9	368.6	323.2	367.7	371.5
77.5°	319.3	304.8	261.2	301.9	314.5
80°	270.9	240.9	219.6	245.8	262.2
82.5°	207.1	183.8	179.0	189.6	205.1
85°	137.4	128.7	132.6	136.4	146.1
87.5°	69.7	74.5	80.3	87.1	91.9
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	17.8	19.6	18.2	19.9	20.2	16.9	18.7	17.3	19.0	19.3
	3H	18.9	20.5	19.3	20.9	21.2	18.0	19.7	18.4	20.0	20.3
	4H	19.3	20.8	19.7	21.2	21.6	18.5	20.0	18.9	20.4	20.8
	6H	19.7	21.1	20.1	21.5	21.8	18.9	20.4	19.4	20.7	21.1
	8H	19.8	21.2	20.3	21.6	22.0	19.1	20.5	19.6	20.9	21.3
	12H	20.0	21.3	20.4	21.6	22.1	19.3	20.6	19.7	21.0	21.4
4H	2H	18.2	19.8	18.6	20.1	20.5	17.5	19.0	17.9	19.3	19.7
	3H	19.5	20.8	19.9	21.2	21.6	18.8	20.1	19.2	20.5	20.9
	4H	20.0	21.2	20.4	21.6	22.0	19.4	20.5	19.8	20.9	21.4
	6H	20.5	21.5	21.0	22.0	22.4	19.9	21.0	20.4	21.4	21.9
	8H	20.7	21.7	21.2	22.1	22.6	20.2	21.2	20.7	21.6	22.1
	12H	20.9	21.8	21.4	22.3	22.7	20.5	21.3	20.9	21.8	22.3
8H	4H	20.2	21.1	20.6	21.6	22.0	19.6	20.5	20.0	21.0	21.4
	6H	20.8	21.6	21.3	22.1	22.5	20.3	21.1	20.8	21.6	22.0
	8H	21.1	21.8	21.6	22.3	22.8	20.6	21.4	21.1	21.9	22.3
	12H	21.4	22.0	21.9	22.5	23.0	21.0	21.6	21.5	22.1	22.7
12H	4H	20.2	21.1	20.7	21.5	22.0	19.6	20.5	20.1	21.0	21.4
	6H	20.8	21.6	21.3	22.0	22.5	20.4	21.1	20.9	21.5	22.1
	8H	21.2	21.8	21.7	22.3	22.9	20.8	21.4	21.3	21.9	22.4













(END OF REPORT)