

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: P1526899

Luminaire Tested: 24CGTX-45-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526899
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-45-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

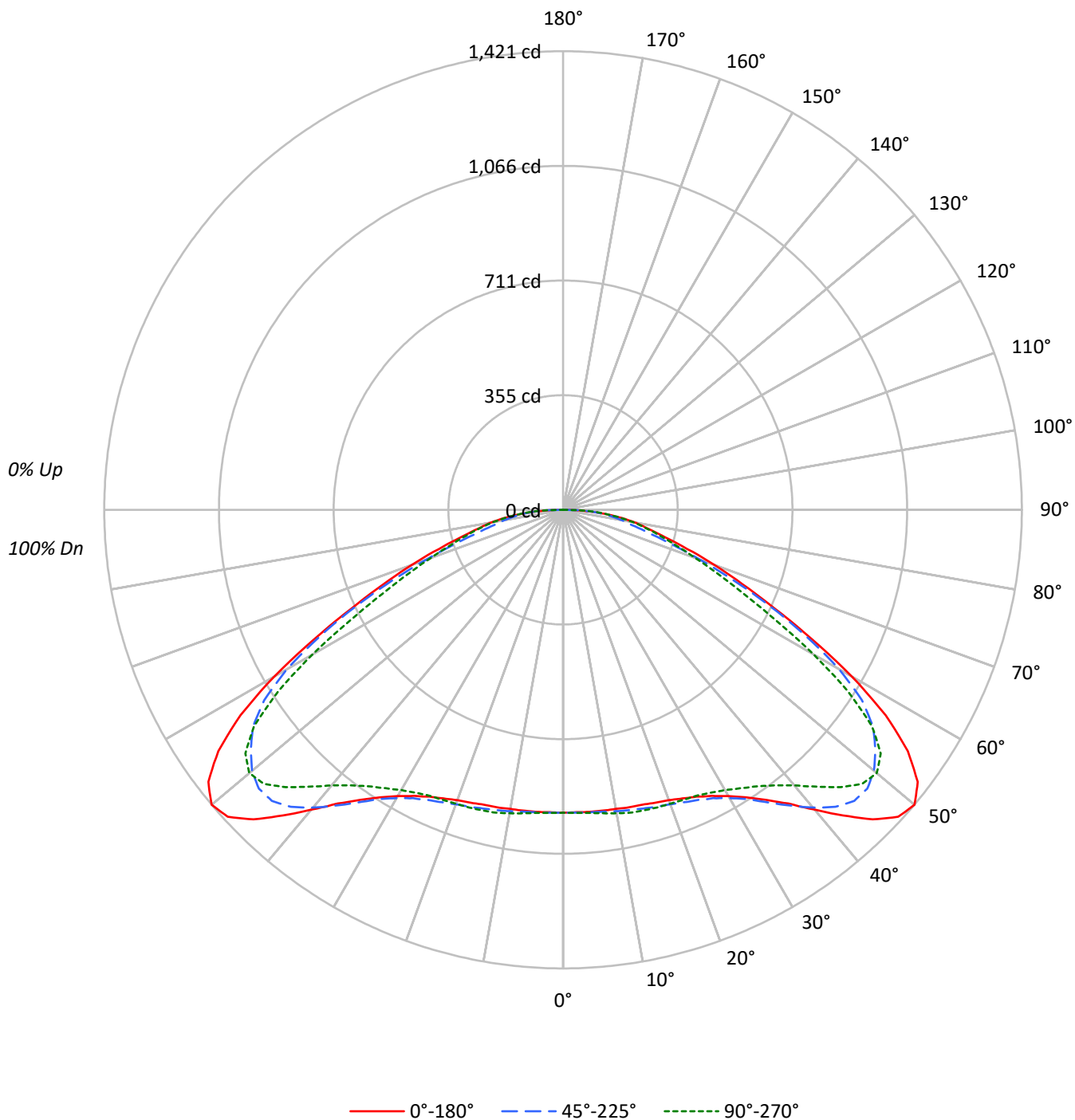
Lumens per Lamp: N/A
Luminaire Lumens: 4684.8 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.6
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	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°	1263	1263	1263
5°	1269	1271	1273
10°	1286	1295	1304
15°	1317	1334	1343
20°	1370	1390	1388
25°	1456	1473	1451
30°	1590	1602	1558
35°	1801	1817	1717
40°	2130	2116	1958
45°	2581	2426	2312
50°	2975	2632	2655
55°	3058	2749	2740
60°	2779	2656	2412
65°	2298	2257	1968
70°	1962	1768	1710
75°	1699	1408	1619
80°	1760	1426	1703
85°	1778	1715	1891

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.9
10°-20°	271.6	5.8
20°-30°	458.8	9.8
30°-40°	690.7	14.7
40°-50°	982.1	21.0
50°-60°	1054.0	22.5
60°-70°	686.9	14.7
70°-80°	330.3	7.1
80°-90°	120.2	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°	820.5	17.5
0°-40°	1511.2	32.3
0°-60°	3547.4	75.7
0°-90°	4684.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4684.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	939	940	941	944	942	90
15°	946	951	958	964	964	269
25°	981	990	992	983	977	457
35°	1097	1118	1106	1069	1046	696
45°	1356	1323	1275	1242	1215	1041
55°	1304	1270	1172	1138	1168	1140
65°	722	716	709	633	618	730
75°	327	309	271	308	312	359
85°	115	108	111	114	122	125
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	938.5	938.5	938.5	938.5	938.5
2.5°	937.7	938.5	939.3	940.1	940.1
5°	939.3	940.1	940.9	944.2	942.5
7.5°	940.1	940.9	943.3	948.2	948.2
10°	940.9	943.3	948.2	953.1	954.7
12.5°	944.2	946.6	953.1	959.6	961.2
15°	945.8	950.6	957.9	963.6	964.4
17.5°	951.5	956.3	964.4	966.9	966.9
20°	957.1	963.6	970.9	970.9	969.3
22.5°	967.7	975.0	980.7	975.8	972.5
25°	980.7	989.6	992.0	983.1	977.4
27.5°	999.3	1010.7	1007.4	995.3	988.0
30°	1023.7	1038.3	1031.0	1013.1	1002.6
32.5°	1056.1	1073.9	1061.8	1039.1	1022.8
35°	1096.7	1117.7	1106.4	1069.1	1045.6
37.5°	1146.9	1168.8	1155.1	1107.2	1075.6
40°	1212.6	1224.0	1204.5	1152.6	1114.5
42.5°	1284.0	1278.3	1248.3	1200.5	1163.2
45°	1356.2	1323.0	1275.1	1241.8	1215.1
47.5°	1408.1	1346.5	1278.3	1261.3	1256.4
50°	1421.1	1341.6	1257.3	1250.8	1268.6
52.5°	1384.6	1315.7	1219.1	1207.8	1240.2
55°	1303.5	1270.2	1172.1	1138.0	1168.0
57.5°	1184.3	1181.8	1097.5	1036.6	1044.7
60°	1032.6	1042.3	987.1	901.2	896.3
62.5°	868.7	874.4	850.1	760.8	743.8
65°	721.9	716.2	708.9	632.7	618.1
67.5°	601.0	584.0	572.7	526.4	519.1
70°	498.8	472.1	449.4	442.1	434.8
72.5°	403.9	384.5	348.0	368.3	367.4
75°	326.9	309.0	270.9	308.2	311.5
77.5°	267.7	255.5	219.0	253.1	263.6
80°	227.1	202.0	184.1	206.0	219.8
82.5°	173.6	154.1	150.1	159.0	172.0
85°	115.2	107.9	111.1	114.4	122.5
87.5°	58.4	62.5	67.3	73.0	77.1
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	17.2	19.0	17.6	19.3	19.6	16.3	18.1	16.7	18.4	18.7
	3H	18.3	19.9	18.7	20.3	20.6	17.4	19.0	17.8	19.4	19.7
	4H	18.7	20.2	19.1	20.6	20.9	17.9	19.4	18.3	19.8	20.1
	6H	19.1	20.5	19.5	20.8	21.2	18.3	19.8	18.7	20.1	20.5
	8H	19.2	20.6	19.6	21.0	21.4	18.5	19.9	19.0	20.3	20.7
	12H	19.3	20.7	19.8	21.0	21.5	18.7	20.0	19.1	20.4	20.8
4H	2H	17.6	19.1	18.0	19.5	19.9	16.9	18.4	17.3	18.7	19.1
	3H	18.9	20.2	19.3	20.6	21.0	18.2	19.5	18.6	19.9	20.3
	4H	19.4	20.6	19.8	21.0	21.4	18.8	19.9	19.2	20.3	20.8
	6H	19.9	20.9	20.3	21.3	21.8	19.3	20.4	19.8	20.8	21.2
	8H	20.1	21.1	20.6	21.5	22.0	19.6	20.6	20.1	21.0	21.5
	12H	20.3	21.2	20.8	21.6	22.1	19.8	20.7	20.3	21.2	21.6
8H	4H	19.6	20.5	20.0	21.0	21.4	19.0	19.9	19.4	20.4	20.8
	6H	20.2	21.0	20.7	21.4	21.9	19.7	20.5	20.2	21.0	21.4
	8H	20.5	21.2	21.0	21.7	22.2	20.0	20.7	20.5	21.2	21.7
	12H	20.8	21.4	21.3	21.9	22.4	20.4	21.0	20.9	21.5	22.1
12H	4H	19.6	20.5	20.1	20.9	21.4	19.0	19.9	19.5	20.3	20.8
	6H	20.2	20.9	20.7	21.4	21.9	19.7	20.5	20.3	20.9	21.5
	8H	20.6	21.2	21.1	21.7	22.2	20.1	20.8	20.7	21.3	21.8













(END OF REPORT)