

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: P1526833

Luminaire Tested: 22CGTX-50HE-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-50HE-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

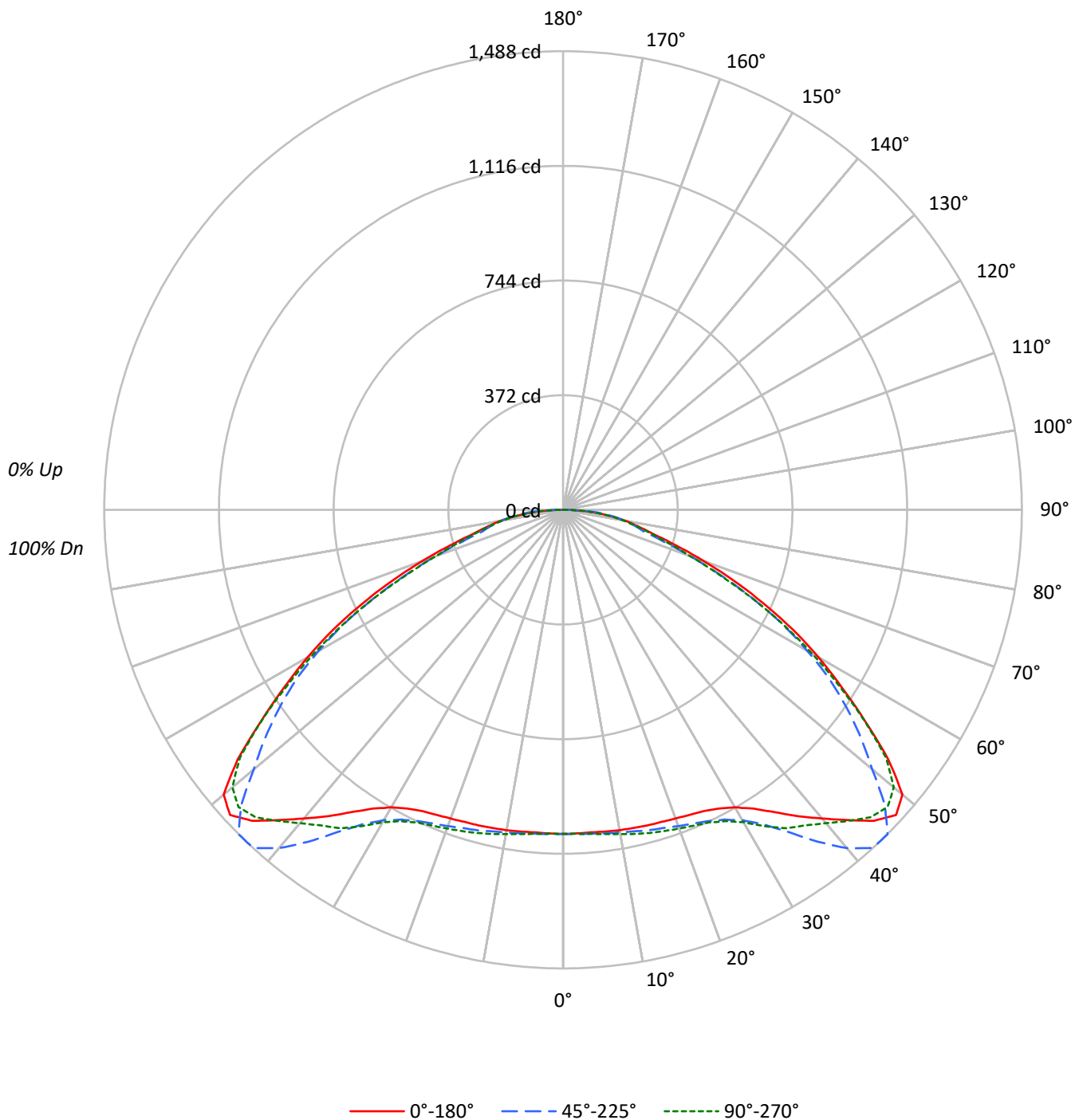
Lumens per Lamp: N/A
Luminaire Lumens: 4975.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82			
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67			
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55			
4	80	67	58	51	78	66	57	50	63	55	49	61	54	49	58	53	48	46			
5	73	59	49	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38			
6	67	52	43	36	65	52	42	36	50	42	36	48	41	35	46	40	35	33			
7	61	47	38	31	60	46	37	31	45	37	31	43	36	30	42	35	30	28			
8	57	42	33	27	55	42	33	27	40	32	27	39	32	27	38	31	26	24			
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	23	21			
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	25	21	19			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2830	2830	2830
5°	2838	2848	2851
10°	2884	2904	2919
15°	2953	2997	3024
20°	3052	3127	3151
25°	3203	3309	3323
30°	3463	3612	3635
35°	3933	4192	4142
40°	4592	5034	4661
45°	5428	5664	5367
50°	6015	5480	5861
55°	5608	5277	5603
60°	5148	4926	5017
65°	4553	4296	4290
70°	3815	3437	3445
75°	3136	2813	3038
80°	3189	3174	3044
85°	3134	3773	3193

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	2.0
10°-20°	304.9	6.1
20°-30°	515.5	10.4
30°-40°	792.7	15.9
40°-50°	1101.7	22.1
50°-60°	1037.0	20.8
60°-70°	684.9	13.8
70°-80°	318.3	6.4
80°-90°	119.1	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°	921.3	18.5
0°-40°	1714.0	34.5
0°-60°	3852.7	77.4
0°-90°	4975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1051	1053	1054	1056	1055	100
15°	1060	1065	1076	1083	1085	301
25°	1079	1093	1114	1121	1119	502
35°	1197	1239	1276	1271	1261	758
45°	1426	1477	1488	1453	1410	1091
55°	1195	1178	1125	1163	1194	1071
65°	715	708	675	685	674	710
75°	302	290	271	279	292	338
85°	102	116	122	118	103	111
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1051.5	1051.5	1051.5	1051.5	1051.5
2.5°	1050.6	1052.4	1053.4	1054.3	1051.5
5°	1050.6	1053.4	1054.3	1056.2	1055.3
7.5°	1052.4	1055.3	1058.1	1060.0	1060.9
10°	1055.3	1058.1	1062.8	1068.4	1068.4
12.5°	1057.1	1061.8	1068.4	1075.9	1076.9
15°	1060.0	1064.6	1075.9	1083.4	1085.3
17.5°	1061.8	1069.3	1082.5	1091.9	1092.8
20°	1065.6	1074.0	1091.9	1100.4	1100.4
22.5°	1071.2	1082.5	1101.3	1108.8	1108.8
25°	1078.7	1092.8	1114.5	1121.0	1119.1
27.5°	1092.8	1109.8	1133.2	1140.8	1138.9
30°	1114.5	1137.0	1162.4	1171.8	1169.9
32.5°	1149.2	1177.4	1209.4	1217.8	1216.9
35°	1197.1	1239.4	1276.1	1271.4	1261.0
37.5°	1252.6	1315.5	1356.9	1312.7	1290.2
40°	1307.1	1392.6	1433.0	1361.6	1326.8
42.5°	1365.3	1452.7	1487.5	1418.0	1369.1
45°	1426.4	1477.2	1488.4	1452.7	1410.4
47.5°	1464.9	1438.6	1414.2	1435.8	1427.4
50°	1436.8	1348.4	1309.0	1350.3	1400.1
52.5°	1329.6	1264.8	1218.8	1257.3	1320.2
55°	1195.3	1178.3	1124.8	1163.3	1194.3
57.5°	1072.2	1085.3	1027.1	1056.2	1060.9
60°	956.6	966.0	915.2	939.7	932.2
62.5°	839.1	840.1	800.6	814.7	803.4
65°	715.1	708.5	674.7	685.0	673.7
67.5°	598.6	583.5	551.6	556.3	545.9
70°	484.9	467.0	436.9	443.5	437.9
72.5°	383.4	369.3	343.0	351.4	357.1
75°	301.6	290.4	270.6	279.1	292.2
77.5°	250.0	235.9	237.7	232.1	241.5
80°	205.8	197.3	204.8	199.2	196.4
82.5°	153.2	161.6	164.4	167.3	153.2
85°	101.5	116.5	122.2	118.4	103.4
87.5°	49.8	63.0	64.8	63.9	53.6
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	18.8	20.6	19.2	20.9	21.2	18.7	20.4	19.0	20.7	21.1
	3H	20.1	21.7	20.5	22.0	22.4	19.8	21.4	20.2	21.7	22.1
	4H	20.5	22.0	20.9	22.3	22.7	20.2	21.7	20.6	22.1	22.4
	6H	20.8	22.2	21.3	22.6	23.0	20.6	22.0	21.0	22.3	22.7
	8H	21.0	22.3	21.4	22.7	23.1	20.7	22.1	21.2	22.4	22.8
	12H	21.1	22.4	21.5	22.8	23.2	20.9	22.1	21.3	22.5	23.0
4H	2H	19.3	20.8	19.7	21.1	21.5	19.1	20.6	19.5	21.0	21.4
	3H	20.7	22.0	21.1	22.4	22.8	20.5	21.7	20.9	22.1	22.5
	4H	21.2	22.4	21.7	22.8	23.2	21.0	22.1	21.4	22.5	23.0
	6H	21.7	22.7	22.2	23.1	23.6	21.5	22.5	21.9	22.9	23.4
	8H	21.9	22.8	22.4	23.3	23.8	21.7	22.6	22.2	23.1	23.5
	12H	22.1	22.9	22.6	23.4	23.9	21.9	22.7	22.4	23.2	23.7
8H	4H	21.4	22.3	21.9	22.8	23.2	21.2	22.1	21.6	22.6	23.0
	6H	22.0	22.8	22.5	23.3	23.8	21.8	22.6	22.3	23.1	23.6
	8H	22.3	23.0	22.8	23.5	24.0	22.2	22.9	22.7	23.4	23.8
	12H	22.6	23.2	23.1	23.7	24.3	22.5	23.1	23.0	23.6	24.1
12H	4H	21.4	22.3	21.9	22.8	23.2	21.2	22.1	21.7	22.5	23.0
	6H	22.1	22.8	22.6	23.3	23.8	21.9	22.6	22.4	23.1	23.6
	8H	22.5	23.1	23.0	23.6	24.1	22.3	22.9	22.8	23.4	24.0













(END OF REPORT)