

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: P1526831

Luminaire Tested: 22CGTX-45HE-A125-L940

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526831
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-45HE-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

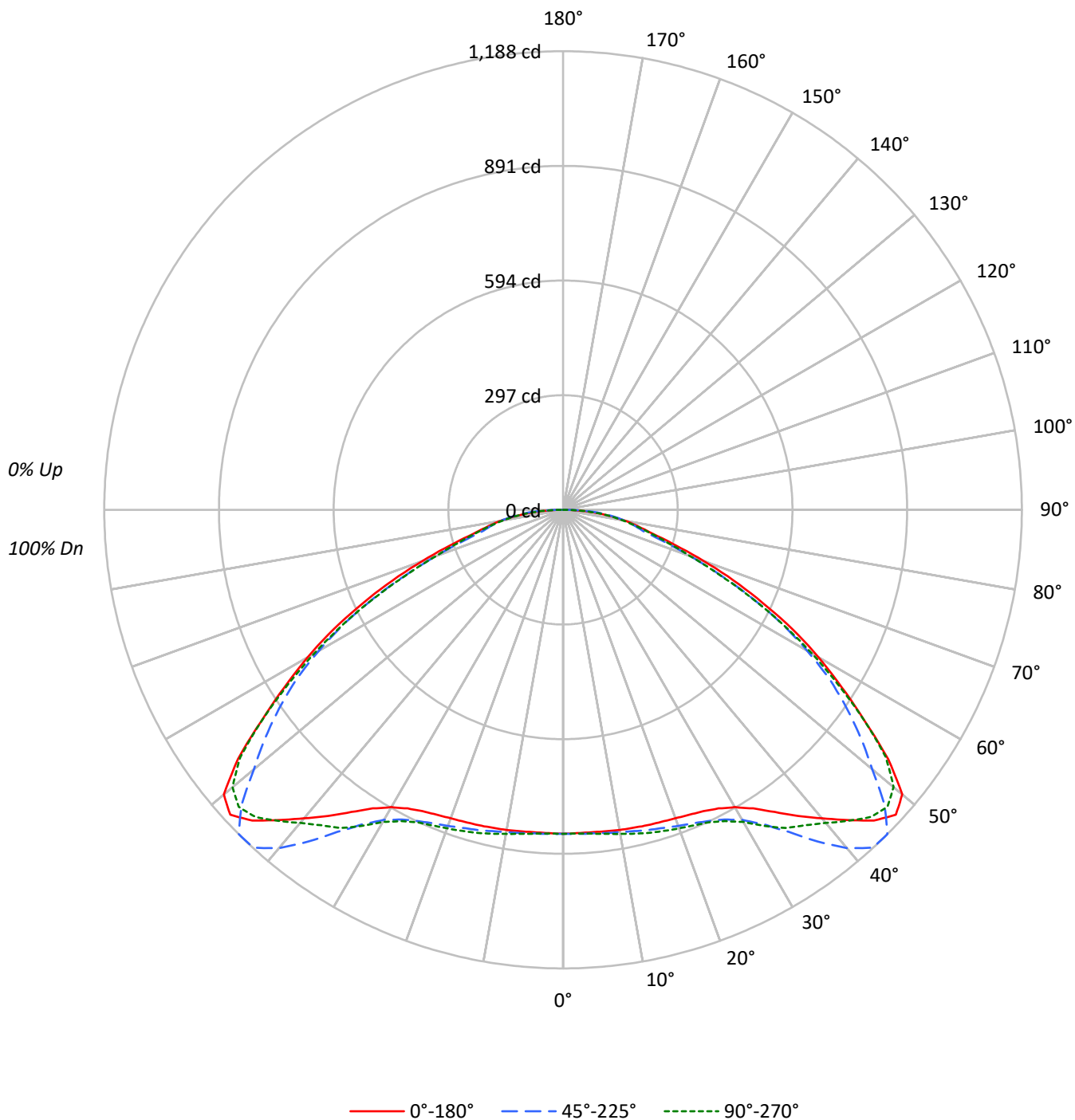
Lumens per Lamp: N/A
Luminaire Lumens: 3969.8 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.2
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	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°	2258	2258	2258
5°	2264	2273	2274
10°	2301	2317	2329
15°	2356	2392	2413
20°	2435	2495	2514
25°	2556	2640	2651
30°	2763	2882	2901
35°	3138	3345	3306
40°	3664	4017	3719
45°	4332	4520	4283
50°	4800	4373	4677
55°	4475	4211	4471
60°	4108	3930	4003
65°	3633	3428	3423
70°	3044	2744	2749
75°	2503	2245	2425
80°	2545	2534	2428
85°	2501	3010	2547

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	2.0
10°-20°	243.3	6.1
20°-30°	411.4	10.4
30°-40°	632.5	15.9
40°-50°	879.1	22.1
50°-60°	827.5	20.8
60°-70°	546.5	13.8
70°-80°	254.0	6.4
80°-90°	95.1	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°	735.2	18.5
0°-40°	1367.7	34.5
0°-60°	3074.3	77.4
0°-90°	3969.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3969.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	838	841	841	843	842	80
15°	846	850	858	864	866	240
25°	861	872	889	894	893	401
35°	955	989	1018	1014	1006	605
45°	1138	1179	1188	1159	1126	871
55°	954	940	898	928	953	855
65°	571	565	538	547	538	567
75°	241	232	216	223	233	269
85°	81	93	98	94	82	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	839.1	839.1	839.1	839.1	839.1
2.5°	838.3	839.8	840.6	841.3	839.1
5°	838.3	840.6	841.3	842.8	842.0
7.5°	839.8	842.0	844.3	845.8	846.5
10°	842.0	844.3	848.0	852.5	852.5
12.5°	843.5	847.3	852.5	858.5	859.3
15°	845.8	849.5	858.5	864.5	866.0
17.5°	847.3	853.3	863.8	871.3	872.0
20°	850.3	857.0	871.3	878.0	878.0
22.5°	854.8	863.8	878.8	884.8	884.8
25°	860.8	872.0	889.3	894.5	893.0
27.5°	872.0	885.5	904.3	910.3	908.8
30°	889.3	907.3	927.5	935.0	933.5
32.5°	917.0	939.5	965.0	971.8	971.0
35°	955.3	989.0	1018.3	1014.5	1006.3
37.5°	999.5	1049.8	1082.7	1047.5	1029.5
40°	1043.0	1111.2	1143.5	1086.5	1058.7
42.5°	1089.5	1159.2	1187.0	1131.5	1092.5
45°	1138.2	1178.7	1187.7	1159.2	1125.5
47.5°	1169.0	1148.0	1128.5	1145.7	1139.0
50°	1146.5	1076.0	1044.5	1077.5	1117.2
52.5°	1061.0	1009.3	972.5	1003.3	1053.5
55°	953.8	940.3	897.5	928.3	953.0
57.5°	855.5	866.0	819.6	842.8	846.5
60°	763.3	770.8	730.3	749.8	743.8
62.5°	669.6	670.3	638.8	650.1	641.1
65°	570.6	565.4	538.4	546.6	537.6
67.5°	477.6	465.6	440.1	443.9	435.6
70°	386.9	372.7	348.7	353.9	349.4
72.5°	305.9	294.7	273.7	280.4	284.9
75°	240.7	231.7	215.9	222.7	233.2
77.5°	199.5	188.2	189.7	185.2	192.7
80°	164.2	157.5	163.5	159.0	156.7
82.5°	122.2	129.0	131.2	133.5	122.2
85°	81.0	93.0	97.5	94.5	82.5
87.5°	39.7	50.2	51.7	51.0	42.7
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	18.1	19.8	18.4	20.1	20.4	17.9	19.6	18.2	20.0	20.3
	3H	19.3	20.9	19.7	21.2	21.6	19.1	20.6	19.4	21.0	21.3
	4H	19.7	21.2	20.1	21.6	21.9	19.4	20.9	19.8	21.3	21.7
	6H	20.1	21.5	20.5	21.8	22.2	19.8	21.2	20.2	21.5	21.9
	8H	20.2	21.5	20.6	21.9	22.3	19.9	21.3	20.4	21.7	22.1
	12H	20.3	21.6	20.8	22.0	22.4	20.1	21.4	20.5	21.7	22.2
4H	2H	18.5	20.0	18.9	20.3	20.7	18.4	19.9	18.8	20.2	20.6
	3H	19.9	21.2	20.4	21.6	22.0	19.7	21.0	20.1	21.4	21.8
	4H	20.4	21.6	20.9	22.0	22.4	20.2	21.3	20.6	21.7	22.2
	6H	20.9	21.9	21.4	22.4	22.8	20.7	21.7	21.1	22.1	22.6
	8H	21.1	22.1	21.6	22.5	23.0	20.9	21.8	21.4	22.3	22.7
	12H	21.3	22.2	21.8	22.6	23.1	21.1	22.0	21.6	22.4	22.9
8H	4H	20.6	21.6	21.1	22.0	22.5	20.4	21.3	20.9	21.8	22.2
	6H	21.2	22.0	21.7	22.5	23.0	21.0	21.8	21.5	22.3	22.8
	8H	21.5	22.2	22.0	22.7	23.2	21.4	22.1	21.9	22.6	23.1
	12H	21.8	22.5	22.3	23.0	23.5	21.7	22.3	22.2	22.8	23.4
12H	4H	20.7	21.5	21.1	22.0	22.4	20.4	21.3	20.9	21.7	22.2
	6H	21.3	22.0	21.8	22.5	23.0	21.1	21.8	21.6	22.3	22.8
	8H	21.7	22.3	22.2	22.8	23.3	21.5	22.1	22.0	22.6	23.2













(END OF REPORT)