

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: P1526830

Luminaire Tested: 22CGTX-45HE-A125-L935

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526830
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

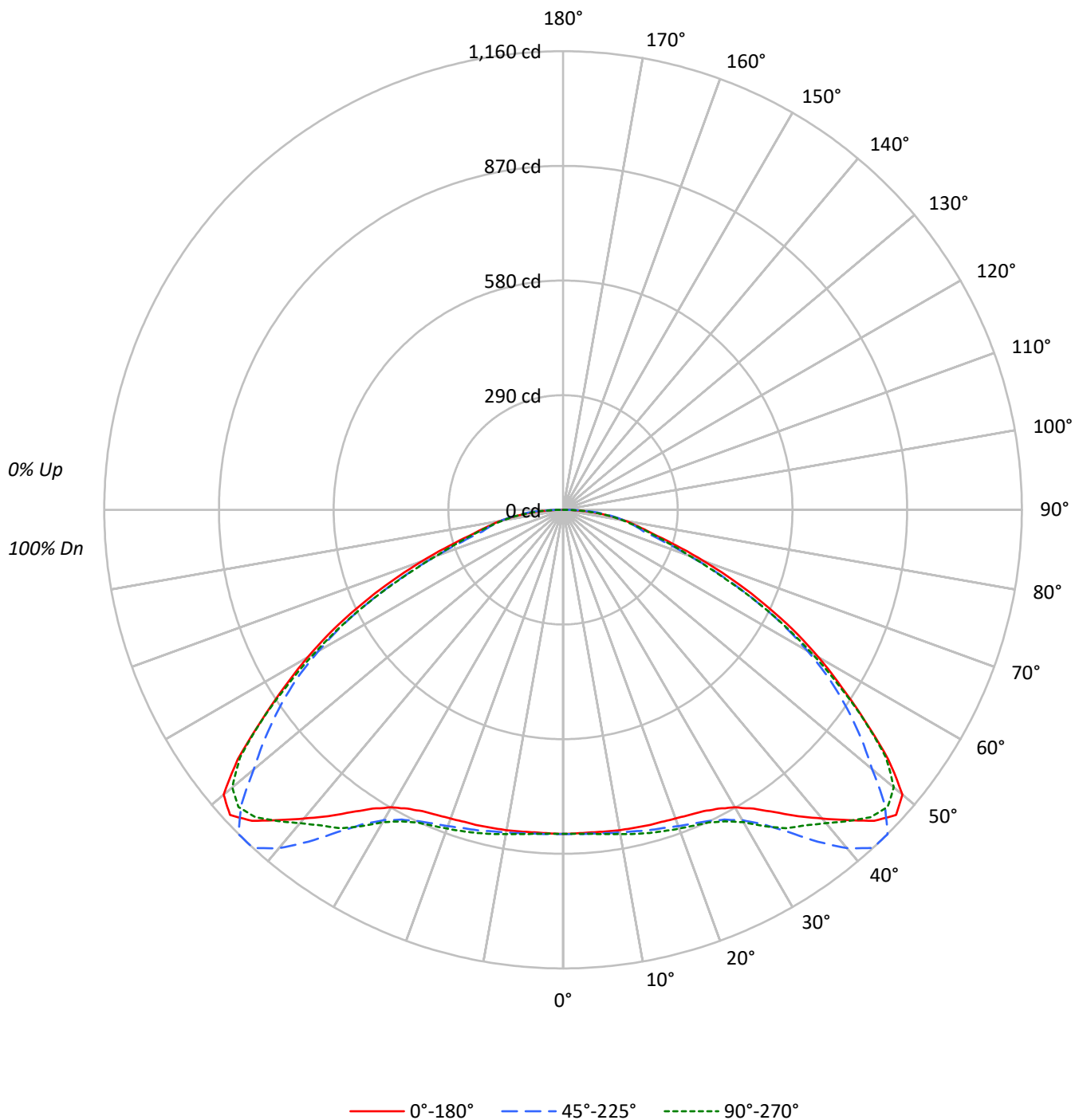
Lumens per Lamp: N/A
Luminaire Lumens: 3878.6 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	2206	2206	2206
5°	2212	2220	2222
10°	2248	2264	2276
15°	2302	2337	2357
20°	2379	2438	2457
25°	2497	2580	2591
30°	2700	2816	2834
35°	3066	3268	3230
40°	3580	3925	3634
45°	4232	4416	4185
50°	4689	4272	4570
55°	4372	4114	4368
60°	4014	3840	3911
65°	3550	3349	3345
70°	2974	2681	2686
75°	2445	2194	2368
80°	2486	2475	2373
85°	2442	2939	2489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4689 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	2.0
10°-20°	237.7	6.1
20°-30°	401.9	10.4
30°-40°	618.0	15.9
40°-50°	858.9	22.1
50°-60°	808.5	20.8
60°-70°	533.9	13.8
70°-80°	248.1	6.4
80°-90°	92.9	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°	718.3	18.5
0°-40°	1336.3	34.5
0°-60°	3003.7	77.4
0°-90°	3878.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3878.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	819	821	822	823	823	78
15°	826	830	839	845	846	234
25°	841	852	869	874	872	391
35°	933	966	995	991	983	591
45°	1112	1152	1160	1133	1100	851
55°	932	919	877	907	931	835
65°	558	552	526	534	525	554
75°	235	226	211	218	228	263
85°	79	91	95	92	81	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.8	819.8	819.8	819.8	819.8
2.5°	819.0	820.5	821.2	822.0	819.8
5°	819.0	821.2	822.0	823.4	822.7
7.5°	820.5	822.7	824.9	826.4	827.1
10°	822.7	824.9	828.6	832.9	832.9
12.5°	824.2	827.8	832.9	838.8	839.5
15°	826.4	830.0	838.8	844.7	846.1
17.5°	827.8	833.7	843.9	851.3	852.0
20°	830.8	837.3	851.3	857.9	857.9
22.5°	835.1	843.9	858.6	864.4	864.4
25°	841.0	852.0	868.8	874.0	872.5
27.5°	852.0	865.2	883.5	889.4	887.9
30°	868.8	886.4	906.2	913.5	912.1
32.5°	896.0	917.9	942.8	949.4	948.7
35°	933.3	966.3	994.8	991.2	983.1
37.5°	976.5	1025.6	1057.9	1023.4	1005.8
40°	1019.0	1085.7	1117.2	1061.5	1034.4
42.5°	1064.4	1132.6	1159.7	1105.5	1067.4
45°	1112.1	1151.6	1160.4	1132.6	1099.6
47.5°	1142.1	1121.6	1102.5	1119.4	1112.8
50°	1120.1	1051.3	1020.5	1052.7	1091.6
52.5°	1036.6	986.1	950.2	980.2	1029.3
55°	931.8	918.7	876.9	906.9	931.1
57.5°	835.9	846.1	800.7	823.4	827.1
60°	745.8	753.1	713.5	732.6	726.7
62.5°	654.2	654.9	624.2	635.2	626.4
65°	557.5	552.4	526.0	534.1	525.3
67.5°	466.7	454.9	430.0	433.7	425.6
70°	378.0	364.1	340.7	345.8	341.4
72.5°	298.9	287.9	267.4	274.0	278.4
75°	235.2	226.4	211.0	217.6	227.8
77.5°	194.9	183.9	185.3	180.9	188.3
80°	160.4	153.8	159.7	155.3	153.1
82.5°	119.4	126.0	128.2	130.4	119.4
85°	79.1	90.8	95.2	92.3	80.6
87.5°	38.8	49.1	50.5	49.8	41.8
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	18.0	19.7	18.3	20.0	20.4	17.8	19.6	18.2	19.9	20.2
	3H	19.2	20.8	19.6	21.2	21.5	19.0	20.6	19.3	20.9	21.2
	4H	19.6	21.1	20.0	21.5	21.9	19.4	20.9	19.8	21.2	21.6
	6H	20.0	21.4	20.4	21.7	22.1	19.7	21.1	20.1	21.5	21.8
	8H	20.1	21.5	20.6	21.8	22.2	19.9	21.2	20.3	21.6	22.0
	12H	20.2	21.5	20.7	21.9	22.3	20.0	21.3	20.4	21.7	22.1
4H	2H	18.4	19.9	18.8	20.3	20.6	18.3	19.8	18.7	20.1	20.5
	3H	19.9	21.1	20.3	21.5	21.9	19.6	20.9	20.0	21.3	21.7
	4H	20.4	21.5	20.8	21.9	22.3	20.1	21.2	20.5	21.7	22.1
	6H	20.8	21.8	21.3	22.3	22.7	20.6	21.6	21.1	22.0	22.5
	8H	21.1	22.0	21.5	22.4	22.9	20.8	21.8	21.3	22.2	22.7
	12H	21.2	22.1	21.7	22.6	23.0	21.0	21.9	21.5	22.4	22.8
8H	4H	20.5	21.5	21.0	21.9	22.4	20.3	21.2	20.8	21.7	22.2
	6H	21.2	21.9	21.6	22.4	22.9	20.9	21.7	21.4	22.2	22.7
	8H	21.5	22.2	22.0	22.7	23.2	21.3	22.0	21.8	22.5	23.0
	12H	21.8	22.4	22.3	22.9	23.4	21.6	22.2	22.1	22.7	23.3
12H	4H	20.6	21.4	21.1	21.9	22.4	20.4	21.2	20.8	21.7	22.1
	6H	21.2	21.9	21.7	22.4	22.9	21.0	21.7	21.5	22.2	22.7
	8H	21.6	22.2	22.1	22.7	23.3	21.4	22.1	21.9	22.5	23.1















(END OF REPORT)