

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: P1526829

Luminaire Tested: 22CGTX-45HE-A125-L930

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526829
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

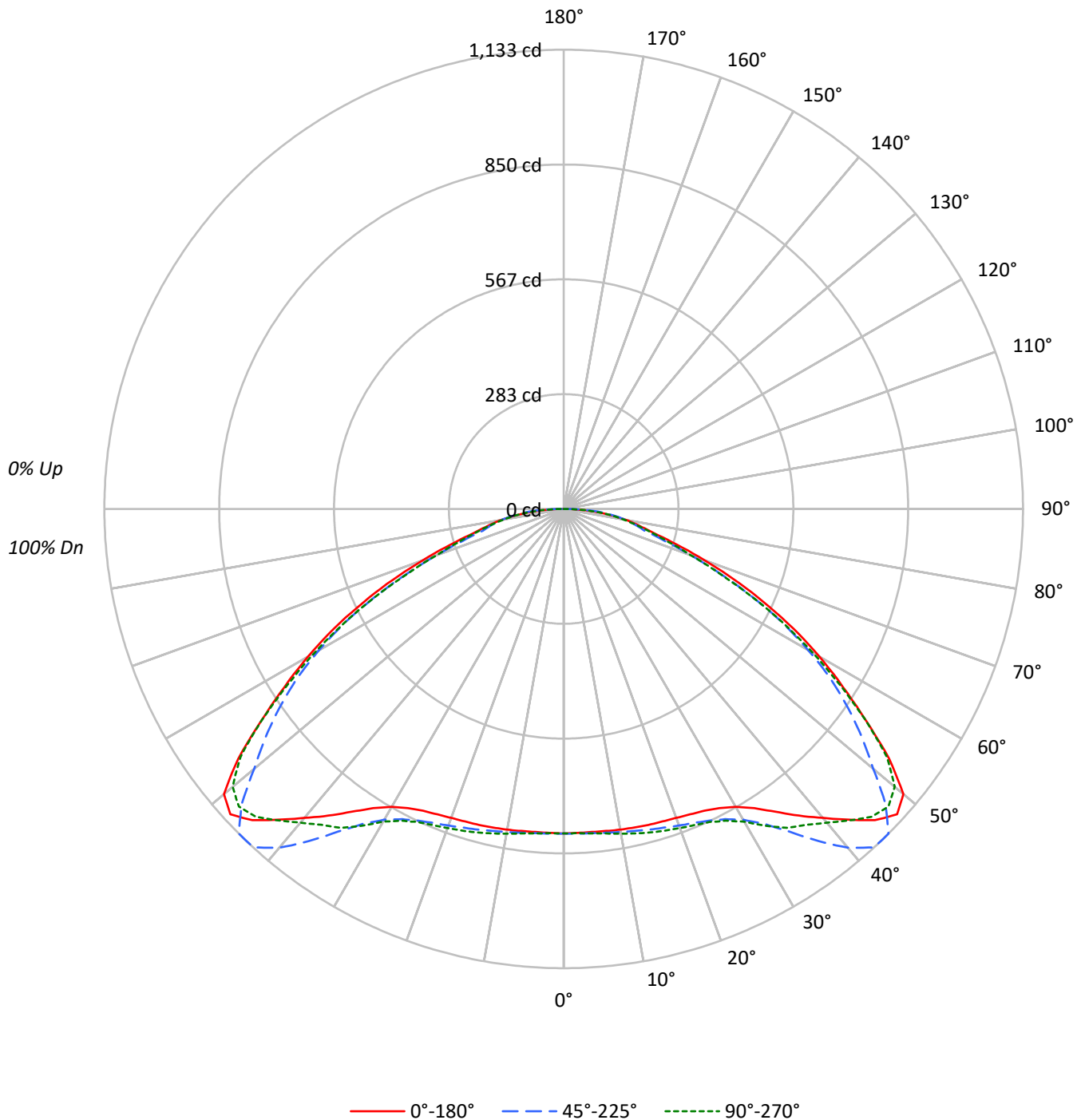
Lumens per Lamp: N/A
Luminaire Lumens: 3787.3 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	2154	2154	2154
5°	2160	2168	2170
10°	2195	2211	2222
15°	2248	2282	2302
20°	2323	2380	2399
25°	2438	2519	2530
30°	2636	2750	2767
35°	2994	3191	3154
40°	3495	3832	3548
45°	4133	4312	4086
50°	4579	4172	4462
55°	4269	4017	4266
60°	3919	3750	3819
65°	3466	3270	3266
70°	2904	2617	2623
75°	2387	2142	2313
80°	2428	2416	2317
85°	2387	2871	2430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4579 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	2.0
10°-20°	232.1	6.1
20°-30°	392.4	10.4
30°-40°	603.5	15.9
40°-50°	838.7	22.1
50°-60°	789.5	20.8
60°-70°	521.4	13.8
70°-80°	242.3	6.4
80°-90°	90.7	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°	701.4	18.5
0°-40°	1304.8	34.5
0°-60°	2933.0	77.4
0°-90°	3787.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3787.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	800	802	803	804	803	76
15°	807	810	819	825	826	229
25°	821	832	848	853	852	382
35°	911	944	971	968	960	577
45°	1086	1124	1133	1106	1074	831
55°	910	897	856	886	909	815
65°	544	539	514	522	513	541
75°	230	221	206	212	222	257
85°	77	89	93	90	79	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.5	800.5	800.5	800.5	800.5
2.5°	799.8	801.2	801.9	802.6	800.5
5°	799.8	801.9	802.6	804.1	803.3
7.5°	801.2	803.3	805.5	806.9	807.6
10°	803.3	805.5	809.1	813.3	813.3
12.5°	804.8	808.3	813.3	819.1	819.8
15°	806.9	810.5	819.1	824.8	826.2
17.5°	808.3	814.1	824.1	831.2	831.9
20°	811.2	817.6	831.2	837.7	837.7
22.5°	815.5	824.1	838.4	844.1	844.1
25°	821.2	831.9	848.4	853.4	852.0
27.5°	831.9	844.8	862.7	868.4	867.0
30°	848.4	865.6	884.9	892.0	890.6
32.5°	874.9	896.3	920.7	927.1	926.4
35°	911.4	943.5	971.4	967.9	960.0
37.5°	953.6	1001.5	1033.0	999.3	982.2
40°	995.0	1060.1	1090.9	1036.5	1010.1
42.5°	1039.4	1105.9	1132.4	1079.5	1042.3
45°	1085.9	1124.5	1133.1	1105.9	1073.7
47.5°	1115.2	1095.2	1076.6	1093.1	1086.6
50°	1093.8	1026.5	996.5	1028.0	1065.9
52.5°	1012.2	962.9	927.8	957.1	1005.1
55°	909.9	897.0	856.3	885.6	909.2
57.5°	816.2	826.2	781.9	804.1	807.6
60°	728.2	735.4	696.7	715.3	709.6
62.5°	638.8	639.5	609.5	620.2	611.6
65°	544.4	539.4	513.6	521.5	512.9
67.5°	455.7	444.2	419.9	423.5	415.6
70°	369.1	355.5	332.6	337.6	333.4
72.5°	291.9	281.1	261.1	267.5	271.8
75°	229.6	221.0	206.0	212.5	222.5
77.5°	190.3	179.6	181.0	176.7	183.8
80°	156.7	150.2	155.9	151.7	149.5
82.5°	116.6	123.0	125.2	127.3	116.6
85°	77.3	88.7	93.0	90.1	78.7
87.5°	37.9	47.9	49.4	48.6	40.8
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	17.9	19.6	18.3	20.0	20.3	17.7	19.5	18.1	19.8	20.1
	3H	19.2	20.7	19.5	21.1	21.4	18.9	20.5	19.3	20.8	21.2
	4H	19.6	21.0	19.9	21.4	21.8	19.3	20.8	19.7	21.1	21.5
	6H	19.9	21.3	20.3	21.7	22.0	19.6	21.0	20.0	21.4	21.8
	8H	20.0	21.4	20.5	21.8	22.2	19.8	21.1	20.2	21.5	21.9
	12H	20.2	21.4	20.6	21.8	22.3	19.9	21.2	20.3	21.6	22.0
4H	2H	18.3	19.8	18.7	20.2	20.6	18.2	19.7	18.6	20.0	20.4
	3H	19.8	21.0	20.2	21.4	21.8	19.5	20.8	19.9	21.2	21.6
	4H	20.3	21.4	20.7	21.8	22.3	20.0	21.2	20.5	21.6	22.0
	6H	20.8	21.7	21.2	22.2	22.6	20.5	21.5	21.0	22.0	22.4
	8H	21.0	21.9	21.4	22.3	22.8	20.7	21.7	21.2	22.1	22.6
	12H	21.2	22.0	21.6	22.5	22.9	21.0	21.8	21.4	22.3	22.7
8H	4H	20.5	21.4	20.9	21.8	22.3	20.2	21.2	20.7	21.6	22.1
	6H	21.1	21.8	21.6	22.3	22.8	20.9	21.6	21.4	22.1	22.6
	8H	21.4	22.1	21.9	22.6	23.1	21.2	21.9	21.7	22.4	22.9
	12H	21.7	22.3	22.2	22.8	23.3	21.5	22.2	22.0	22.6	23.2
12H	4H	20.5	21.3	21.0	21.8	22.3	20.3	21.1	20.7	21.6	22.1
	6H	21.1	21.9	21.7	22.3	22.8	20.9	21.7	21.5	22.1	22.6
	8H	21.5	22.1	22.0	22.6	23.2	21.3	22.0	21.9	22.5	23.0















(END OF REPORT)