

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: P1526800

Luminaire Tested: 22CGTX-25-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526800
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-25-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

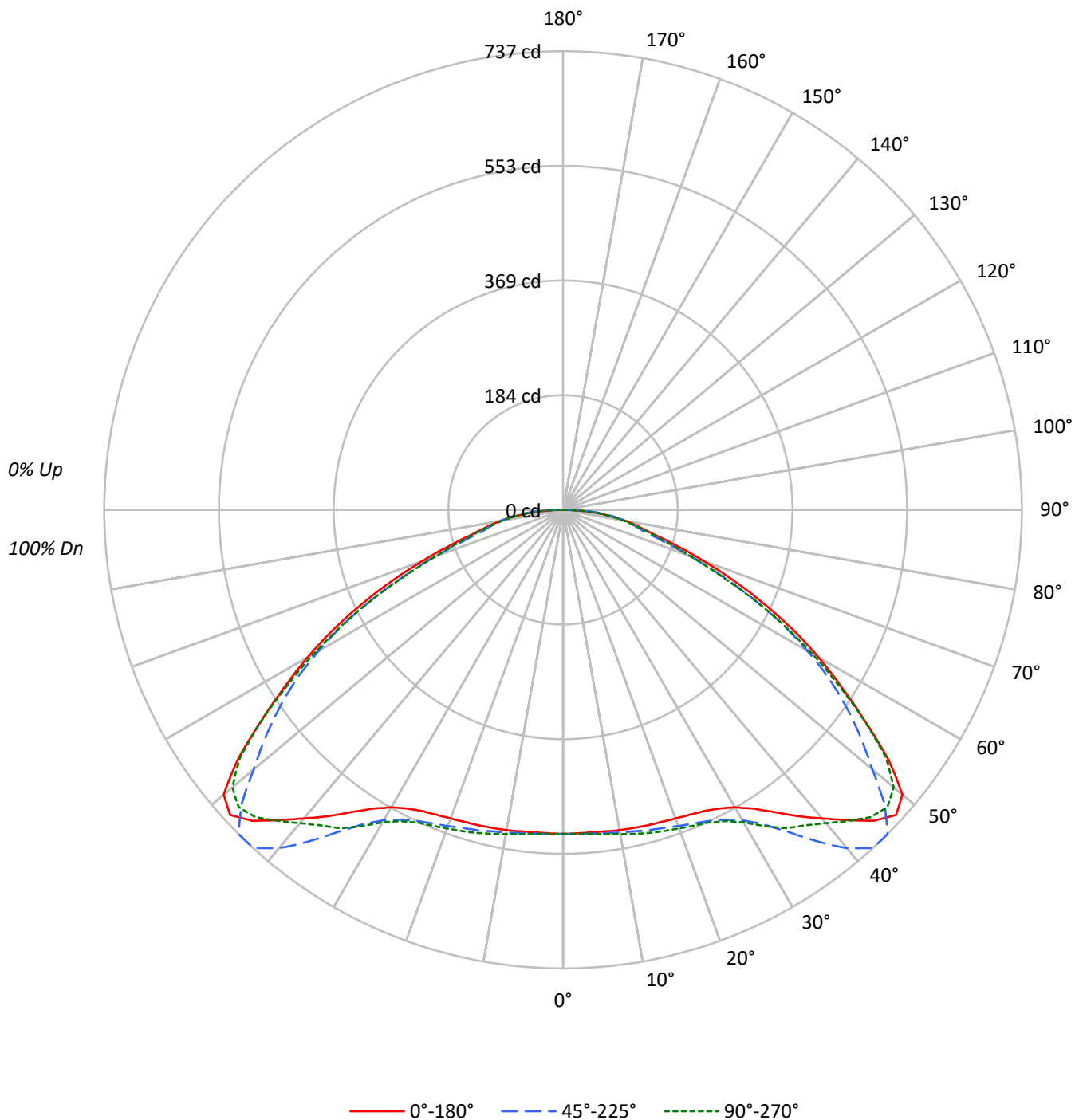
Lumens per Lamp: N/A
Luminaire Lumens: 2463.9 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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°	1401	1401	1401
5°	1405	1411	1412
10°	1428	1438	1446
15°	1463	1485	1497
20°	1511	1549	1561
25°	1586	1639	1646
30°	1715	1789	1800
35°	1948	2076	2052
40°	2274	2493	2308
45°	2689	2806	2658
50°	2979	2714	2903
55°	2777	2614	2775
60°	2550	2440	2485
65°	2255	2127	2125
70°	1889	1703	1707
75°	1553	1393	1504
80°	1579	1573	1508
85°	1553	1868	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2979 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	2.0
10°-20°	151.0	6.1
20°-30°	255.3	10.4
30°-40°	392.6	15.9
40°-50°	545.6	22.1
50°-60°	513.6	20.8
60°-70°	339.2	13.8
70°-80°	157.6	6.4
80°-90°	59.0	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°	456.3	18.5
0°-40°	848.9	34.5
0°-60°	1908.1	77.4
0°-90°	2463.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2463.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	520	522	522	523	523	50
15°	525	527	533	537	538	149
25°	534	541	552	555	554	249
35°	593	614	632	630	625	375
45°	706	732	737	720	698	541
55°	592	584	557	576	592	530
65°	354	351	334	339	334	352
75°	149	144	134	138	145	167
85°	50	58	60	59	51	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	520.8	520.8	520.8	520.8	520.8
2.5°	520.3	521.2	521.7	522.2	520.8
5°	520.3	521.7	522.2	523.1	522.6
7.5°	521.2	522.6	524.0	525.0	525.4
10°	522.6	524.0	526.4	529.1	529.1
12.5°	523.6	525.9	529.1	532.9	533.3
15°	525.0	527.3	532.9	536.6	537.5
17.5°	525.9	529.6	536.1	540.8	541.2
20°	527.8	531.9	540.8	545.0	545.0
22.5°	530.5	536.1	545.4	549.2	549.2
25°	534.3	541.2	552.0	555.2	554.3
27.5°	541.2	549.6	561.3	565.0	564.1
30°	552.0	563.1	575.7	580.3	579.4
32.5°	569.2	583.1	599.0	603.1	602.7
35°	592.9	613.8	632.0	629.7	624.6
37.5°	620.4	651.5	672.0	650.1	639.0
40°	647.4	689.7	709.7	674.3	657.1
42.5°	676.2	719.5	736.7	702.3	678.1
45°	706.5	731.6	737.2	719.5	698.5
47.5°	725.5	712.5	700.4	711.1	706.9
50°	711.6	667.8	648.3	668.8	693.4
52.5°	658.5	626.4	603.6	622.7	653.9
55°	592.0	583.6	557.1	576.2	591.5
57.5°	531.0	537.5	508.7	523.1	525.4
60°	473.8	478.4	453.3	465.4	461.7
62.5°	415.6	416.1	396.5	403.5	397.9
65°	354.2	350.9	334.1	339.3	333.7
67.5°	296.5	289.0	273.2	275.5	270.4
70°	240.1	231.3	216.4	219.7	216.9
72.5°	189.9	182.9	169.9	174.1	176.8
75°	149.4	143.8	134.0	138.2	144.7
77.5°	123.8	116.8	117.7	115.0	119.6
80°	101.9	97.7	101.5	98.7	97.3
82.5°	75.9	80.0	81.4	82.8	75.9
85°	50.3	57.7	60.5	58.6	51.2
87.5°	24.7	31.2	32.1	31.6	26.5
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	16.4	18.1	16.8	18.5	18.8	16.2	18.0	16.6	18.3	18.6
	3H	17.7	19.3	18.0	19.6	19.9	17.4	19.0	17.8	19.3	19.7
	4H	18.1	19.6	18.5	19.9	20.3	17.8	19.3	18.2	19.6	20.0
	6H	18.4	19.8	18.8	20.2	20.5	18.1	19.5	18.5	19.9	20.3
	8H	18.6	19.9	19.0	20.3	20.7	18.3	19.6	18.7	20.0	20.4
	12H	18.7	19.9	19.1	20.3	20.8	18.4	19.7	18.9	20.1	20.5
4H	2H	16.8	18.3	17.2	18.7	19.1	16.7	18.2	17.1	18.5	18.9
	3H	18.3	19.5	18.7	19.9	20.3	18.0	19.3	18.5	19.7	20.1
	4H	18.8	19.9	19.2	20.3	20.8	18.5	19.7	19.0	20.1	20.5
	6H	19.3	20.3	19.7	20.7	21.1	19.0	20.0	19.5	20.5	20.9
	8H	19.5	20.4	19.9	20.8	21.3	19.3	20.2	19.7	20.6	21.1
	12H	19.7	20.5	20.1	21.0	21.4	19.5	20.3	19.9	20.8	21.2
8H	4H	19.0	19.9	19.4	20.3	20.8	18.7	19.7	19.2	20.1	20.6
	6H	19.6	20.4	20.1	20.8	21.3	19.4	20.2	19.9	20.6	21.1
	8H	19.9	20.6	20.4	21.1	21.6	19.7	20.4	20.2	20.9	21.4
	12H	20.2	20.8	20.7	21.3	21.9	20.0	20.7	20.5	21.1	21.7
12H	4H	19.0	19.8	19.5	20.3	20.8	18.8	19.6	19.3	20.1	20.6
	6H	19.7	20.4	20.2	20.8	21.4	19.5	20.2	20.0	20.6	21.2
	8H	20.0	20.6	20.5	21.1	21.7	19.9	20.5	20.4	21.0	21.5















(END OF REPORT)