

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: P1526803

Luminaire Tested: 22CGTX-25HE-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526803
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-25HE-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

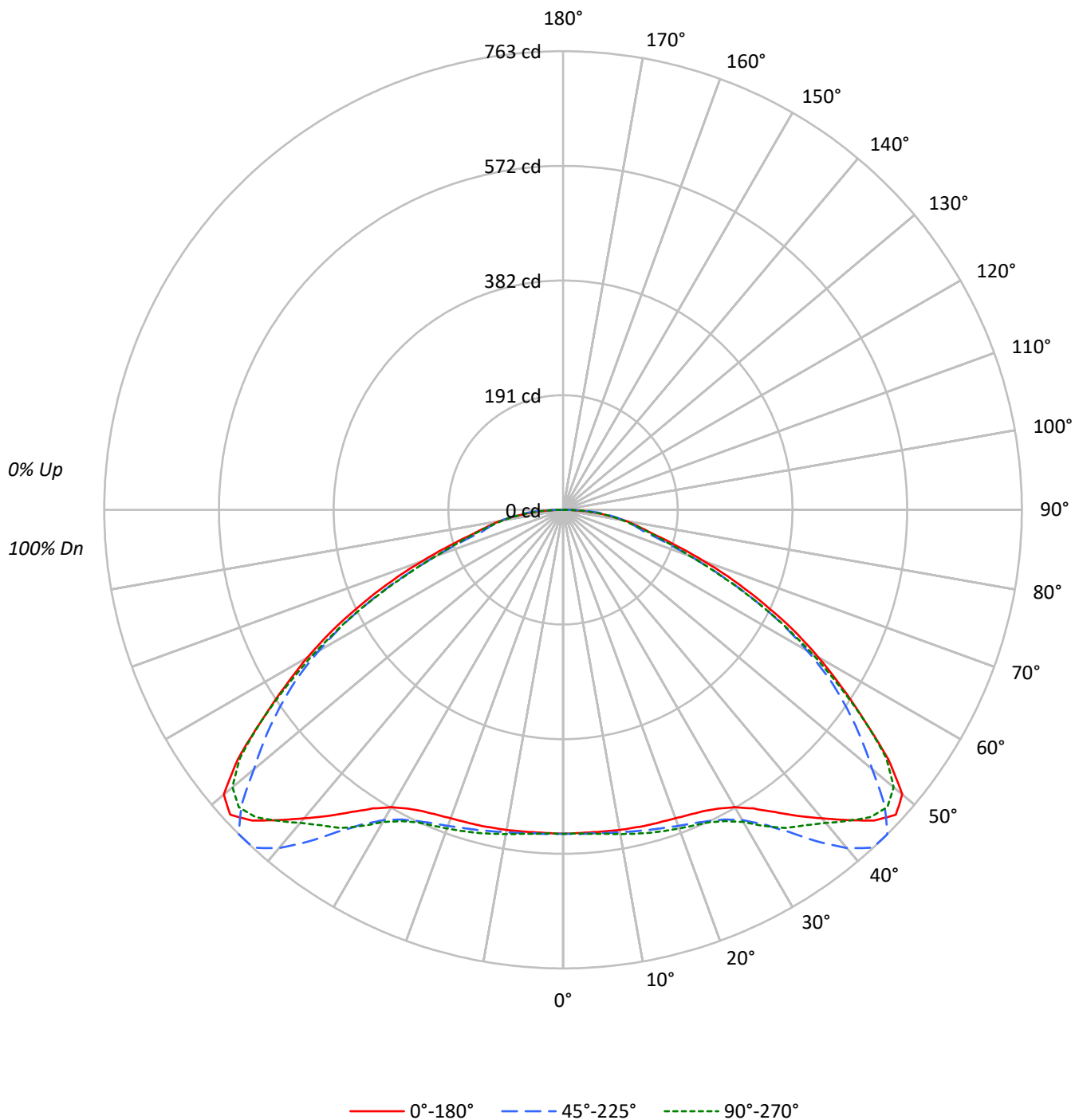
Lumens per Lamp: N/A
Luminaire Lumens: 2549.8 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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°	1450	1450	1450
5°	1454	1460	1461
10°	1478	1488	1496
15°	1514	1536	1550
20°	1564	1603	1615
25°	1642	1696	1703
30°	1775	1851	1863
35°	2016	2148	2123
40°	2353	2580	2389
45°	2782	2903	2751
50°	3083	2809	3004
55°	2874	2705	2872
60°	2639	2525	2571
65°	2334	2202	2199
70°	1955	1762	1766
75°	1607	1442	1557
80°	1635	1627	1561
85°	1606	1933	1636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3083 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	2.0
10°-20°	156.3	6.1
20°-30°	264.2	10.4
30°-40°	406.3	15.9
40°-50°	564.6	22.1
50°-60°	531.5	20.8
60°-70°	351.0	13.8
70°-80°	163.1	6.4
80°-90°	61.0	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°	472.2	18.5
0°-40°	878.5	34.5
0°-60°	1974.7	77.4
0°-90°	2549.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2549.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	539	539	539	539	539	
5°	538	540	540	541	541	51
15°	543	546	551	555	556	154
25°	553	560	571	575	574	257
35°	614	635	654	652	646	388
45°	731	757	763	745	723	559
55°	613	604	576	596	612	549
65°	366	363	346	351	345	364
75°	155	149	139	143	150	173
85°	52	60	63	61	53	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	538.9	538.9	538.9	538.9	538.9
2.5°	538.4	539.4	539.9	540.4	538.9
5°	538.4	539.9	540.4	541.3	540.9
7.5°	539.4	540.9	542.3	543.3	543.7
10°	540.9	542.3	544.7	547.6	547.6
12.5°	541.8	544.2	547.6	551.4	551.9
15°	543.3	545.7	551.4	555.3	556.3
17.5°	544.2	548.1	554.8	559.6	560.1
20°	546.1	550.5	559.6	564.0	564.0
22.5°	549.0	554.8	564.5	568.3	568.3
25°	552.9	560.1	571.2	574.6	573.6
27.5°	560.1	568.8	580.8	584.7	583.7
30°	571.2	582.8	595.8	600.6	599.6
32.5°	589.0	603.5	619.8	624.2	623.7
35°	613.6	635.2	654.0	651.6	646.3
37.5°	642.0	674.3	695.4	672.8	661.3
40°	669.9	713.8	734.5	697.9	680.0
42.5°	699.8	744.6	762.4	726.8	701.7
45°	731.1	757.1	762.9	744.6	722.9
47.5°	750.8	737.3	724.8	735.9	731.6
50°	736.4	691.1	670.9	692.1	717.6
52.5°	681.5	648.3	624.7	644.4	676.7
55°	612.6	603.9	576.5	596.2	612.1
57.5°	549.5	556.3	526.4	541.3	543.7
60°	490.3	495.1	469.1	481.6	477.8
62.5°	430.1	430.6	410.3	417.6	411.8
65°	366.5	363.1	345.8	351.1	345.3
67.5°	306.8	299.1	282.7	285.1	279.8
70°	248.5	239.4	223.9	227.3	224.4
72.5°	196.5	189.3	175.8	180.1	183.0
75°	154.6	148.8	138.7	143.0	149.8
77.5°	128.1	120.9	121.8	119.0	123.8
80°	105.5	101.1	105.0	102.1	100.7
82.5°	78.5	82.8	84.3	85.7	78.5
85°	52.0	59.7	62.6	60.7	53.0
87.5°	25.5	32.3	33.2	32.7	27.5
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	16.5	18.3	16.9	18.6	18.9	16.3	18.1	16.7	18.4	18.7
	3H	17.8	19.4	18.2	19.7	20.1	17.5	19.1	17.9	19.4	19.8
	4H	18.2	19.7	18.6	20.0	20.4	17.9	19.4	18.3	19.7	20.1
	6H	18.5	19.9	18.9	20.3	20.7	18.3	19.6	18.7	20.0	20.4
	8H	18.7	20.0	19.1	20.4	20.8	18.4	19.7	18.8	20.1	20.5
	12H	18.8	20.1	19.2	20.4	20.9	18.5	19.8	19.0	20.2	20.6
4H	2H	17.0	18.5	17.4	18.8	19.2	16.8	18.3	17.2	18.7	19.0
	3H	18.4	19.7	18.8	20.1	20.5	18.2	19.4	18.6	19.8	20.2
	4H	18.9	20.0	19.3	20.4	20.9	18.7	19.8	19.1	20.2	20.6
	6H	19.4	20.4	19.8	20.8	21.3	19.1	20.1	19.6	20.6	21.0
	8H	19.6	20.5	20.1	21.0	21.4	19.4	20.3	19.8	20.7	21.2
	12H	19.8	20.6	20.3	21.1	21.6	19.6	20.4	20.1	20.9	21.4
8H	4H	19.1	20.0	19.5	20.5	20.9	18.9	19.8	19.3	20.2	20.7
	6H	19.7	20.5	20.2	21.0	21.4	19.5	20.3	20.0	20.8	21.2
	8H	20.0	20.7	20.5	21.2	21.7	19.8	20.5	20.3	21.0	21.5
	12H	20.3	20.9	20.8	21.4	22.0	20.2	20.8	20.7	21.3	21.8
12H	4H	19.1	20.0	19.6	20.4	20.9	18.9	19.7	19.4	20.2	20.7
	6H	19.8	20.5	20.3	20.9	21.5	19.6	20.3	20.1	20.7	21.3
	8H	20.1	20.8	20.6	21.3	21.8	20.0	20.6	20.5	21.1	21.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report













(END OF REPORT)