

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: P1526792

Luminaire Tested: 22CGTX-20HE-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526792
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-20HE-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

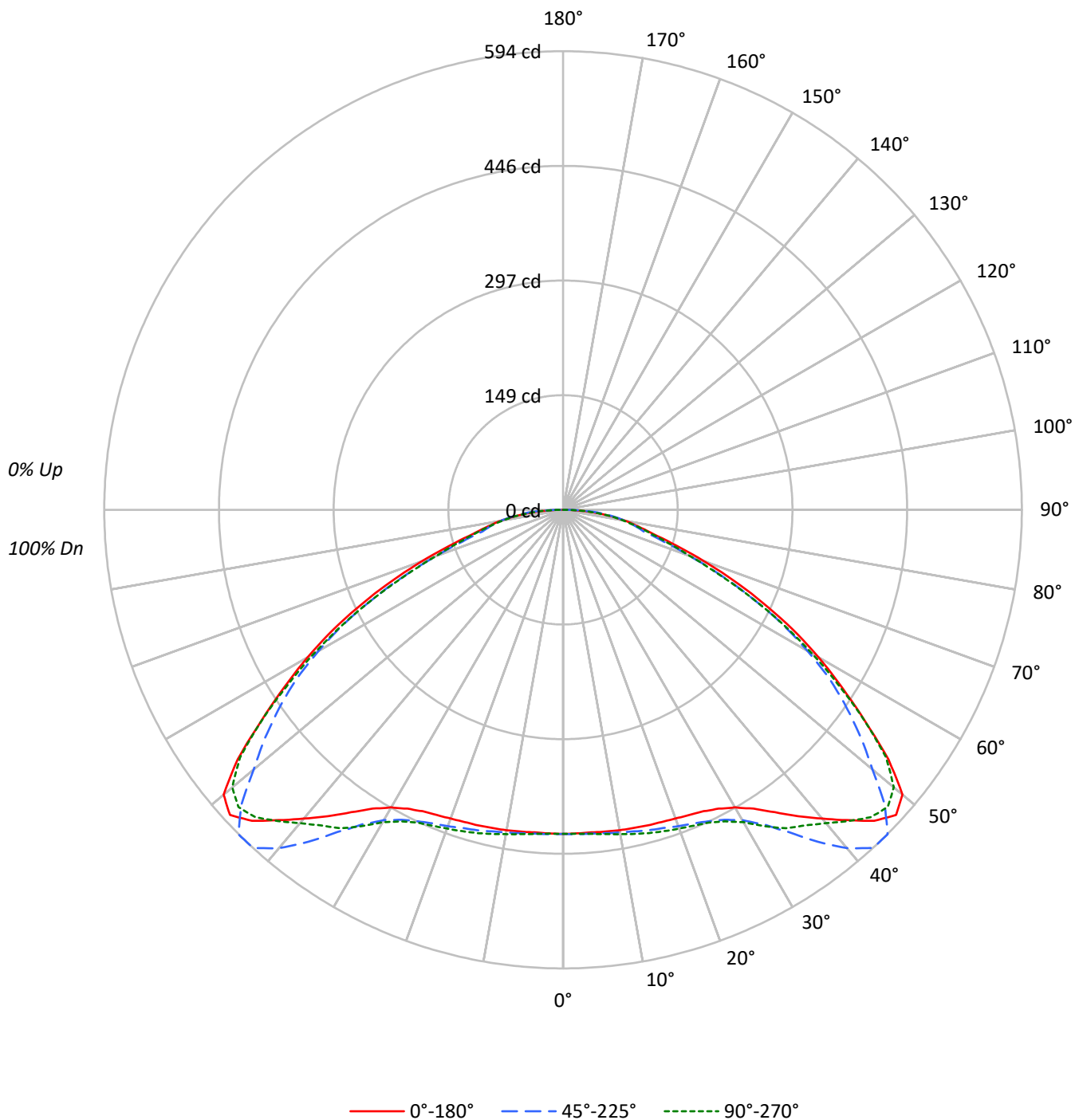
Lumens per Lamp: N/A
Luminaire Lumens: 1986.3 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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°	1130	1130	1130
5°	1133	1137	1138
10°	1151	1159	1166
15°	1179	1197	1207
20°	1218	1249	1258
25°	1279	1321	1327
30°	1383	1442	1451
35°	1570	1674	1654
40°	1833	2010	1861
45°	2167	2262	2143
50°	2401	2188	2340
55°	2239	2107	2237
60°	2055	1967	2003
65°	1818	1715	1713
70°	1523	1373	1375
75°	1252	1123	1213
80°	1274	1268	1215
85°	1250	1507	1275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 2401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	2.0
10°-20°	121.7	6.1
20°-30°	205.8	10.4
30°-40°	316.5	15.9
40°-50°	439.8	22.1
50°-60°	414.1	20.8
60°-70°	273.4	13.8
70°-80°	127.1	6.4
80°-90°	47.6	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°	367.9	18.5
0°-40°	684.3	34.5
0°-60°	1538.2	77.4
0°-90°	1986.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1986.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	420	420	420	420	420	
5°	419	421	421	422	421	40
15°	423	425	430	433	433	120
25°	431	436	445	448	447	200
35°	478	495	510	508	504	303
45°	570	590	594	580	563	436
55°	477	470	449	464	477	428
65°	286	283	269	274	269	283
75°	120	116	108	111	117	135
85°	40	46	49	47	41	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.8	419.8	419.8	419.8	419.8
2.5°	419.4	420.2	420.6	420.9	419.8
5°	419.4	420.6	420.9	421.7	421.3
7.5°	420.2	421.3	422.4	423.2	423.6
10°	421.3	422.4	424.3	426.6	426.6
12.5°	422.1	423.9	426.6	429.6	429.9
15°	423.2	425.1	429.6	432.6	433.3
17.5°	423.9	426.9	432.2	436.0	436.3
20°	425.4	428.8	436.0	439.3	439.3
22.5°	427.7	432.2	439.7	442.7	442.7
25°	430.7	436.3	445.0	447.6	446.8
27.5°	436.3	443.1	452.5	455.5	454.7
30°	445.0	454.0	464.1	467.8	467.1
32.5°	458.8	470.1	482.8	486.2	485.8
35°	478.0	494.9	509.5	507.6	503.5
37.5°	500.1	525.2	541.8	524.1	515.1
40°	521.9	556.0	572.1	543.6	529.7
42.5°	545.1	580.0	593.9	566.1	546.6
45°	569.5	589.8	594.3	580.0	563.1
47.5°	584.9	574.4	564.6	573.3	569.9
50°	573.6	538.4	522.6	539.1	559.0
52.5°	530.9	505.0	486.6	502.0	527.1
55°	477.2	470.5	449.1	464.5	476.8
57.5°	428.1	433.3	410.1	421.7	423.6
60°	381.9	385.7	365.4	375.2	372.2
62.5°	335.0	335.4	319.6	325.3	320.8
65°	285.5	282.9	269.4	273.5	269.0
67.5°	239.0	233.0	220.2	222.1	218.0
70°	193.6	186.5	174.5	177.1	174.8
72.5°	153.1	147.4	136.9	140.3	142.6
75°	120.4	115.9	108.0	111.4	116.7
77.5°	99.8	94.2	94.9	92.7	96.4
80°	82.2	78.8	81.8	79.5	78.4
82.5°	61.2	64.5	65.7	66.8	61.2
85°	40.5	46.5	48.8	47.3	41.3
87.5°	19.9	25.1	25.9	25.5	21.4
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	15.6	17.4	16.0	17.7	18.0	15.5	17.2	15.8	17.5	17.9
	3H	16.9	18.5	17.3	18.8	19.2	16.6	18.2	17.0	18.6	18.9
	4H	17.3	18.8	17.7	19.2	19.5	17.0	18.5	17.4	18.9	19.2
	6H	17.7	19.0	18.1	19.4	19.8	17.4	18.8	17.8	19.1	19.5
	8H	17.8	19.1	18.2	19.5	19.9	17.5	18.9	18.0	19.3	19.7
	12H	17.9	19.2	18.4	19.6	20.0	17.7	19.0	18.1	19.3	19.8
4H	2H	16.1	17.6	16.5	17.9	18.3	16.0	17.5	16.4	17.8	18.2
	3H	17.5	18.8	17.9	19.2	19.6	17.3	18.6	17.7	18.9	19.3
	4H	18.0	19.2	18.5	19.6	20.0	17.8	18.9	18.2	19.3	19.8
	6H	18.5	19.5	19.0	19.9	20.4	18.3	19.3	18.7	19.7	20.2
	8H	18.7	19.7	19.2	20.1	20.6	18.5	19.4	19.0	19.9	20.3
	12H	18.9	19.8	19.4	20.2	20.7	18.7	19.6	19.2	20.0	20.5
8H	4H	18.2	19.2	18.7	19.6	20.1	18.0	18.9	18.4	19.4	19.8
	6H	18.8	19.6	19.3	20.1	20.6	18.6	19.4	19.1	19.9	20.4
	8H	19.1	19.8	19.6	20.3	20.8	19.0	19.7	19.5	20.2	20.6
	12H	19.4	20.1	19.9	20.5	21.1	19.3	19.9	19.8	20.4	21.0
12H	4H	18.3	19.1	18.7	19.6	20.0	18.0	18.9	18.5	19.3	19.8
	6H	18.9	19.6	19.4	20.1	20.6	18.7	19.4	19.2	19.9	20.4
	8H	19.3	19.9	19.8	20.4	20.9	19.1	19.7	19.6	20.2	20.8













(END OF REPORT)