

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: P1526798

Luminaire Tested: 22CGTX-20HE-A125-L940

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526798
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

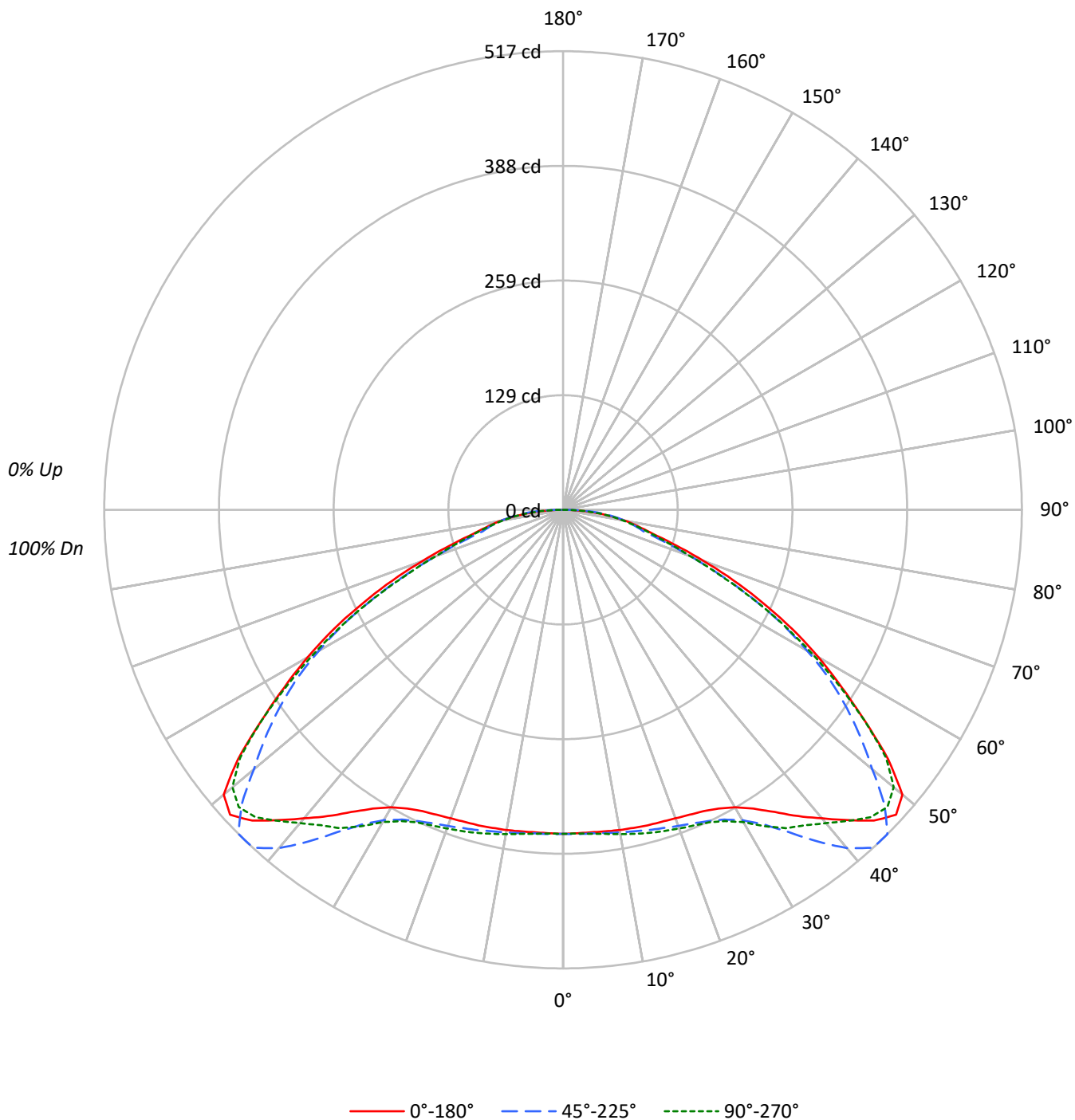
Lumens per Lamp: N/A
Luminaire Lumens: 1728.1 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	983	983	983
5°	986	989	990
10°	1001	1009	1014
15°	1026	1041	1050
20°	1060	1086	1094
25°	1113	1149	1154
30°	1203	1255	1263
35°	1366	1456	1439
40°	1595	1749	1619
45°	1886	1968	1864
50°	2089	1904	2036
55°	1948	1833	1947
60°	1788	1711	1743
65°	1582	1493	1490
70°	1325	1194	1197
75°	1090	977	1055
80°	1108	1103	1057
85°	1090	1309	1108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2089 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	2.0
10°-20°	105.9	6.1
20°-30°	179.1	10.4
30°-40°	275.3	15.9
40°-50°	382.7	22.1
50°-60°	360.2	20.8
60°-70°	237.9	13.8
70°-80°	110.5	6.4
80°-90°	41.4	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°	320.0	18.5
0°-40°	595.4	34.5
0°-60°	1338.3	77.4
0°-90°	1728.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1728.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	365	365	365	365	365	
5°	365	366	366	367	366	35
15°	368	370	374	376	377	104
25°	375	380	387	389	389	174
35°	416	430	443	442	438	263
45°	496	513	517	505	490	379
55°	415	409	391	404	415	372
65°	248	246	234	238	234	247
75°	105	101	94	97	102	117
85°	35	40	42	41	36	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	365.2	365.2	365.2	365.2	365.2
2.5°	364.9	365.6	365.9	366.2	365.2
5°	364.9	365.9	366.2	366.9	366.5
7.5°	365.6	366.5	367.5	368.2	368.5
10°	366.5	367.5	369.2	371.1	371.1
12.5°	367.2	368.8	371.1	373.7	374.1
15°	368.2	369.8	373.7	376.3	377.0
17.5°	368.8	371.4	376.0	379.3	379.6
20°	370.1	373.1	379.3	382.2	382.2
22.5°	372.1	376.0	382.5	385.2	385.2
25°	374.7	379.6	387.1	389.4	388.7
27.5°	379.6	385.5	393.6	396.3	395.6
30°	387.1	394.9	403.8	407.0	406.4
32.5°	399.2	409.0	420.1	423.0	422.7
35°	415.8	430.5	443.3	441.6	438.0
37.5°	435.1	457.0	471.3	456.0	448.1
40°	454.0	483.7	497.8	473.0	460.9
42.5°	474.3	504.6	516.7	492.5	475.6
45°	495.5	513.1	517.0	504.6	489.9
47.5°	508.9	499.7	491.2	498.7	495.8
50°	499.1	468.4	454.7	469.0	486.3
52.5°	461.9	439.3	423.3	436.7	458.6
55°	415.2	409.3	390.7	404.1	414.9
57.5°	372.4	377.0	356.8	366.9	368.5
60°	332.3	335.5	317.9	326.4	323.8
62.5°	291.5	291.8	278.1	283.0	279.1
65°	248.4	246.1	234.4	237.9	234.0
67.5°	207.9	202.7	191.6	193.2	189.6
70°	168.4	162.2	151.8	154.1	152.1
72.5°	133.2	128.3	119.1	122.1	124.0
75°	104.8	100.9	94.0	96.9	101.5
77.5°	86.8	81.9	82.6	80.6	83.9
80°	71.5	68.5	71.2	69.2	68.2
82.5°	53.2	56.1	57.1	58.1	53.2
85°	35.3	40.5	42.4	41.1	35.9
87.5°	17.3	21.9	22.5	22.2	18.6
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	15.2	16.9	15.5	17.2	17.5	15.0	16.7	15.4	17.1	17.4
	3H	16.4	18.0	16.8	18.3	18.7	16.2	17.7	16.5	18.1	18.4
	4H	16.8	18.3	17.2	18.7	19.0	16.5	18.0	16.9	18.4	18.8
	6H	17.2	18.6	17.6	18.9	19.3	16.9	18.3	17.3	18.7	19.0
	8H	17.3	18.6	17.7	19.0	19.4	17.1	18.4	17.5	18.8	19.2
	12H	17.4	18.7	17.9	19.1	19.5	17.2	18.5	17.6	18.8	19.3
4H	2H	15.6	17.1	16.0	17.5	17.8	15.5	17.0	15.9	17.3	17.7
	3H	17.1	18.3	17.5	18.7	19.1	16.8	18.1	17.2	18.5	18.9
	4H	17.5	18.7	18.0	19.1	19.5	17.3	18.4	17.7	18.8	19.3
	6H	18.0	19.0	18.5	19.5	19.9	17.8	18.8	18.2	19.2	19.7
	8H	18.2	19.2	18.7	19.6	20.1	18.0	19.0	18.5	19.4	19.9
	12H	18.4	19.3	18.9	19.7	20.2	18.2	19.1	18.7	19.5	20.0
8H	4H	17.7	18.7	18.2	19.1	19.6	17.5	18.4	18.0	18.9	19.3
	6H	18.3	19.1	18.8	19.6	20.1	18.1	18.9	18.6	19.4	19.9
	8H	18.7	19.4	19.2	19.9	20.3	18.5	19.2	19.0	19.7	20.2
	12H	19.0	19.6	19.5	20.1	20.6	18.8	19.4	19.3	19.9	20.5
12H	4H	17.8	18.6	18.2	19.1	19.5	17.5	18.4	18.0	18.9	19.3
	6H	18.4	19.1	18.9	19.6	20.1	18.2	18.9	18.7	19.4	19.9
	8H	18.8	19.4	19.3	19.9	20.5	18.6	19.2	19.1	19.7	20.3















(END OF REPORT)