

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: P1526748

Luminaire Tested: 14CGTX-20HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-20HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

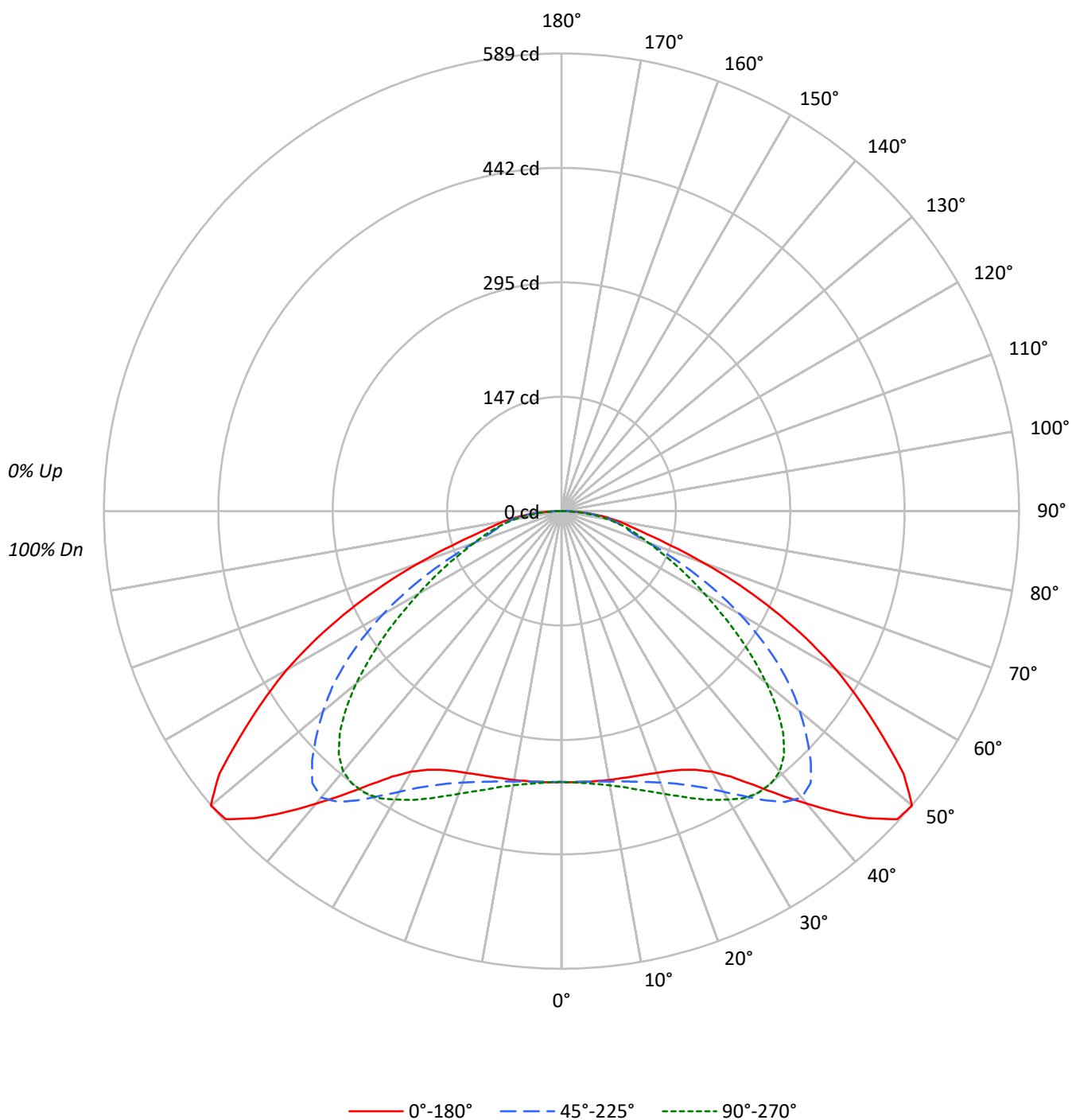
Lumens per Lamp: N/A
Luminaire Lumens: 1632.7 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526748

CATALOG NUMBER: 14CGTX-20HE-A125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1526748

CATALOG NUMBER: 14CGTX-20HE-A125-L930

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	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58	56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49	47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42	39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36	34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31	29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27	25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24	22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	938	938	938
5°	945	944	949
10°	960	965	979
15°	985	1004	1033
20°	1026	1064	1109
25°	1091	1156	1212
30°	1203	1295	1331
35°	1411	1491	1453
40°	1727	1690	1536
45°	2126	1727	1536
50°	2466	1677	1443
55°	2365	1590	1297
60°	2198	1427	1143
65°	1915	1195	1023
70°	1532	939	939
75°	1175	891	933
80°	1153	1029	950
85°	1158	1139	929

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2466 cd/sqm

TEST NUMBER: P1526748

CATALOG NUMBER: 14CGTX-20HE-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	2.1
10°-20°	102.9	6.3
20°-30°	181.1	11.1
30°-40°	280.6	17.2
40°-50°	357.4	21.9
50°-60°	325.2	19.9
60°-70°	210.9	12.9
70°-80°	102.6	6.3
80°-90°	38.4	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°	317.6	19.5
0°-40°	598.2	36.6
0°-60°	1280.8	78.4
0°-90°	1632.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1632.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	349	349	349	349	349	
5°	350	350	349	350	351	33
15°	354	356	360	367	371	100
25°	367	375	389	403	408	171
35°	429	448	454	446	442	273
45°	559	524	454	414	404	429
55°	504	442	339	292	276	450
65°	301	266	188	163	161	298
75°	113	104	86	82	90	128
85°	38	41	37	34	30	41
90°	0	0	0	0	0	



TEST NUMBER: P1526748

CATALOG NUMBER: 14CGTX-20HE-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	348.6	348.6	348.6	348.6	348.6
2.5°	349.2	349.7	348.6	348.8	349.4
5°	349.9	350.3	349.4	350.1	351.4
7.5°	350.3	351.1	351.1	352.6	354.3
10°	351.4	352.2	353.3	356.2	358.4
12.5°	352.2	353.7	356.2	361.1	363.4
15°	353.7	356.0	360.5	367.3	370.7
17.5°	355.6	359.0	365.4	374.3	378.3
20°	358.4	362.8	371.7	382.3	387.2
22.5°	362.0	367.9	379.3	391.9	397.2
25°	367.3	374.9	389.3	403.1	408.2
27.5°	375.3	384.9	401.4	415.2	419.0
30°	387.2	399.1	416.9	426.4	428.5
32.5°	404.8	420.1	434.3	437.4	437.9
35°	429.4	448.1	453.8	446.4	442.3
37.5°	459.5	480.3	471.8	449.7	442.5
40°	491.5	508.5	481.1	447.0	437.2
42.5°	525.4	524.6	474.8	434.9	424.3
45°	558.7	524.4	453.8	414.1	403.5
47.5°	586.7	508.5	427.7	388.5	376.0
50°	589.1	487.7	400.6	357.3	344.6
52.5°	555.1	467.1	371.9	325.1	310.4
55°	504.2	442.3	338.8	292.0	276.5
57.5°	456.1	409.9	302.8	257.8	242.6
60°	408.4	368.1	265.1	224.8	212.3
62.5°	355.6	319.6	226.5	191.9	185.3
65°	300.7	266.3	187.7	162.6	160.7
67.5°	247.5	215.9	150.6	135.1	137.4
70°	194.7	170.5	119.4	115.8	119.4
72.5°	148.0	134.4	97.1	98.0	103.9
75°	113.0	103.5	85.7	81.6	89.7
77.5°	90.5	84.4	75.9	70.0	75.9
80°	74.4	72.9	66.4	59.4	61.3
82.5°	56.2	57.3	52.2	48.6	46.2
85°	37.5	40.9	36.9	33.7	30.1
87.5°	18.9	22.9	19.5	17.4	15.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526748

CATALOG NUMBER: 14CGTX-20HE-A125-L930

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	16.1	17.9	16.5	18.2	18.5	12.7	14.4	13.1	14.7	15.0
	3H	17.4	19.0	17.8	19.3	19.7	14.0	15.5	14.3	15.9	16.2
	4H	17.8	19.2	18.2	19.6	20.0	14.5	16.0	14.9	16.4	16.7
	6H	18.1	19.4	18.5	19.8	20.2	15.1	16.5	15.5	16.8	17.2
	8H	18.2	19.5	18.6	19.9	20.3	15.3	16.6	15.7	17.0	17.4
	12H	18.3	19.6	18.7	19.9	20.4	15.5	16.7	15.9	17.1	17.5
4H	2H	16.3	17.8	16.7	18.1	18.5	13.3	14.8	13.7	15.2	15.5
	3H	17.8	19.0	18.2	19.4	19.8	14.8	16.0	15.2	16.4	16.8
	4H	18.2	19.4	18.7	19.8	20.2	15.5	16.6	15.9	17.0	17.4
	6H	18.7	19.7	19.1	20.1	20.6	16.2	17.1	16.6	17.6	18.0
	8H	18.9	19.8	19.4	20.2	20.7	16.5	17.4	16.9	17.8	18.3
	12H	19.1	19.9	19.6	20.4	20.8	16.7	17.5	17.2	18.0	18.5
8H	4H	18.3	19.3	18.8	19.7	20.2	15.8	16.7	16.3	17.2	17.6
	6H	18.9	19.7	19.4	20.2	20.6	16.7	17.4	17.1	17.9	18.4
	8H	19.2	19.9	19.7	20.4	20.9	17.1	17.8	17.6	18.3	18.7
	12H	19.5	20.1	20.0	20.6	21.2	17.4	18.0	17.9	18.5	19.1
12H	4H	18.4	19.2	18.8	19.7	20.1	15.9	16.7	16.4	17.2	17.7
	6H	19.0	19.7	19.5	20.1	20.7	16.8	17.5	17.3	17.9	18.5
	8H	19.3	19.9	19.8	20.4	21.0	17.3	17.9	17.8	18.4	18.9















(END OF REPORT)