

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: P1526750

Luminaire Tested: 14CGTX-20HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526750
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

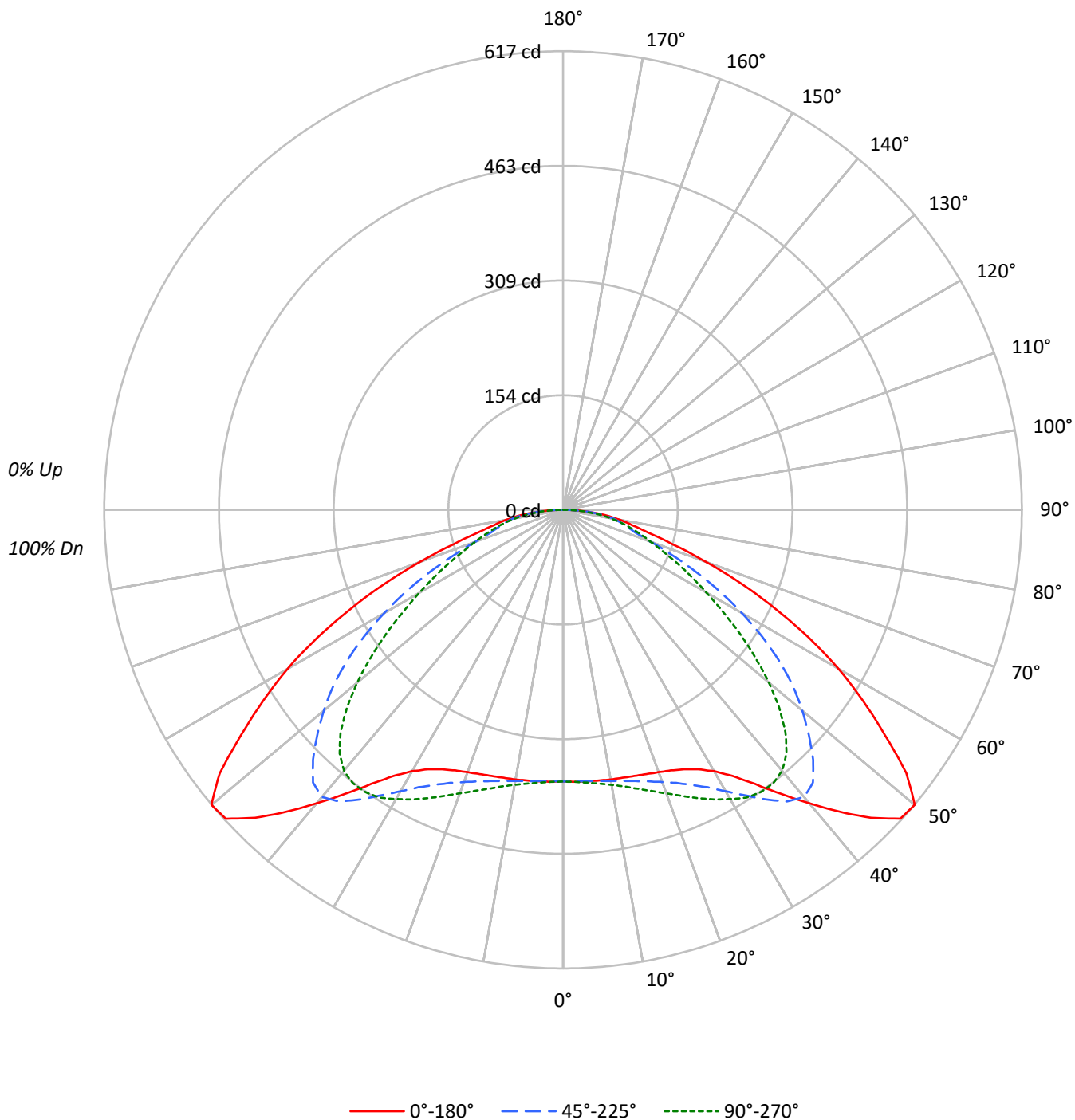
Lumens per Lamp: N/A
Luminaire Lumens: 1711.4 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	983	983	983
5°	991	989	995
10°	1006	1012	1026
15°	1033	1053	1082
20°	1076	1116	1162
25°	1143	1212	1271
30°	1261	1358	1396
35°	1479	1562	1523
40°	1810	1772	1610
45°	2229	1810	1610
50°	2585	1758	1512
55°	2479	1666	1360
60°	2304	1495	1197
65°	2007	1252	1073
70°	1605	984	984
75°	1232	934	977
80°	1209	1079	995
85°	1213	1195	976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	2.1
10°-20°	107.9	6.3
20°-30°	189.9	11.1
30°-40°	294.1	17.2
40°-50°	374.7	21.9
50°-60°	340.9	19.9
60°-70°	221.1	12.9
70°-80°	107.5	6.3
80°-90°	40.3	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°	332.9	19.5
0°-40°	627.0	36.6
0°-60°	1342.5	78.4
0°-90°	1711.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1711.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	365	365	365	365	365	
5°	367	367	366	367	368	35
15°	371	373	378	385	388	105
25°	385	393	408	422	428	180
35°	450	470	476	468	464	287
45°	586	550	476	434	423	450
55°	528	464	355	306	290	472
65°	315	279	197	170	168	312
75°	118	108	90	86	94	134
85°	39	43	39	35	32	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	365.4	365.4	365.4	365.4	365.4
2.5°	366.1	366.5	365.4	365.6	366.3
5°	366.7	367.2	366.3	367.0	368.3
7.5°	367.2	368.1	368.1	369.6	371.4
10°	368.3	369.2	370.3	373.4	375.6
12.5°	369.2	370.7	373.4	378.5	381.0
15°	370.7	373.2	377.8	385.0	388.5
17.5°	372.7	376.3	383.0	392.3	396.5
20°	375.6	380.3	389.6	400.7	405.9
22.5°	379.4	385.6	397.6	410.7	416.3
25°	385.0	393.0	408.1	422.5	427.9
27.5°	393.4	403.4	420.7	435.2	439.2
30°	405.9	418.3	437.0	447.0	449.2
32.5°	424.3	440.3	455.2	458.5	459.0
35°	450.1	469.6	475.6	467.9	463.6
37.5°	481.6	503.4	494.5	471.4	463.9
40°	515.2	533.0	504.3	468.5	458.3
42.5°	550.8	549.9	497.6	455.9	444.7
45°	585.7	549.7	475.6	434.1	423.0
47.5°	615.0	533.0	448.3	407.2	394.1
50°	617.4	511.2	419.9	374.5	361.2
52.5°	581.9	489.6	389.9	340.7	325.4
55°	528.5	463.6	355.2	306.1	289.8
57.5°	478.1	429.6	317.4	270.3	254.3
60°	428.1	385.8	277.8	235.6	222.5
62.5°	372.7	335.0	237.4	201.1	194.3
65°	315.2	279.2	196.7	170.5	168.5
67.5°	259.4	226.3	157.8	141.6	144.0
70°	204.0	178.7	125.1	121.4	125.1
72.5°	155.1	140.9	101.8	102.7	108.9
75°	118.5	108.5	89.8	85.6	94.0
77.5°	94.9	88.5	79.6	73.3	79.6
80°	78.0	76.5	69.6	62.2	64.2
82.5°	58.9	60.0	54.7	50.9	48.5
85°	39.3	42.9	38.7	35.3	31.6
87.5°	19.8	24.0	20.4	18.2	16.2
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	16.3	18.0	16.7	18.3	18.7	12.9	14.6	13.2	14.9	15.2
	3H	17.6	19.1	18.0	19.5	19.8	14.1	15.7	14.5	16.0	16.4
	4H	17.9	19.4	18.3	19.8	20.1	14.7	16.2	15.1	16.5	16.9
	6H	18.2	19.6	18.6	20.0	20.4	15.2	16.6	15.7	17.0	17.4
	8H	18.4	19.7	18.8	20.1	20.5	15.5	16.8	15.9	17.2	17.6
	12H	18.5	19.7	18.9	20.1	20.5	15.6	16.9	16.1	17.3	17.7
4H	2H	16.5	17.9	16.9	18.3	18.7	13.5	15.0	13.9	15.3	15.7
	3H	17.9	19.2	18.3	19.6	20.0	15.0	16.2	15.4	16.6	17.0
	4H	18.4	19.5	18.8	19.9	20.4	15.6	16.7	16.1	17.2	17.6
	6H	18.9	19.8	19.3	20.3	20.7	16.3	17.3	16.8	17.7	18.2
	8H	19.1	20.0	19.5	20.4	20.9	16.6	17.5	17.1	18.0	18.4
	12H	19.2	20.1	19.7	20.5	21.0	16.9	17.7	17.3	18.2	18.6
8H	4H	18.5	19.4	19.0	19.9	20.3	16.0	16.9	16.4	17.3	17.8
	6H	19.1	19.9	19.6	20.3	20.8	16.8	17.6	17.3	18.1	18.5
	8H	19.4	20.1	19.9	20.6	21.1	17.2	17.9	17.7	18.4	18.9
	12H	19.7	20.3	20.2	20.8	21.3	17.6	18.2	18.1	18.7	19.2
12H	4H	18.5	19.3	19.0	19.8	20.3	16.0	16.9	16.5	17.3	17.8
	6H	19.1	19.8	19.7	20.3	20.8	17.0	17.6	17.5	18.1	18.6
	8H	19.5	20.1	20.0	20.6	21.1	17.4	18.0	17.9	18.5	19.1















(END OF REPORT)