

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: P1526745

Luminaire Tested: 14CGTX-20HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526745
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

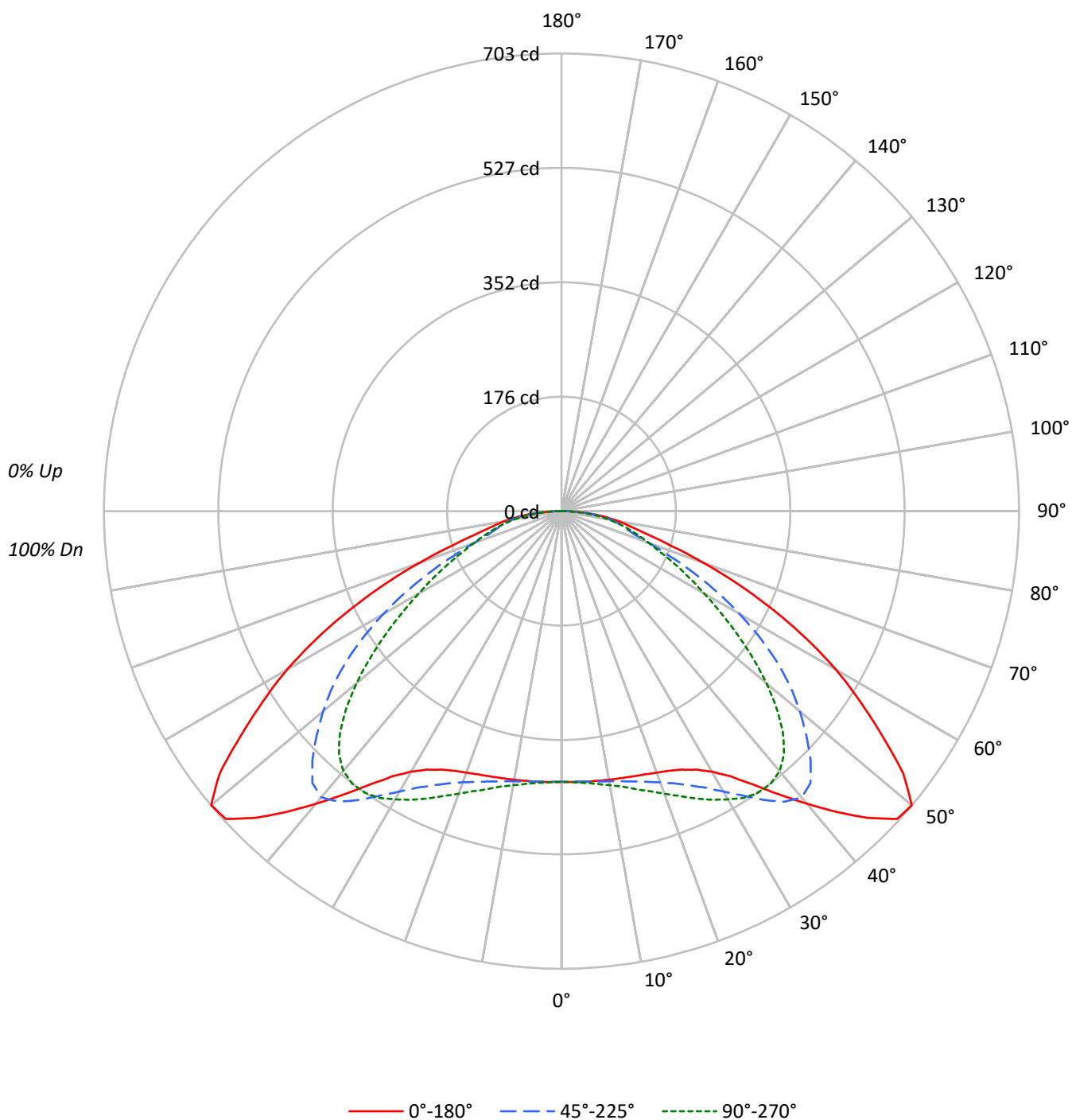
Lumens per Lamp: N/A
Luminaire Lumens: 1947.4 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
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	50	30	10
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°	1119	1119	1119
5°	1127	1126	1132
10°	1145	1151	1168
15°	1175	1198	1232
20°	1224	1270	1322
25°	1301	1379	1446
30°	1435	1545	1588
35°	1683	1778	1733
40°	2060	2016	1832
45°	2536	2060	1832
50°	2941	2000	1721
55°	2822	1896	1547
60°	2622	1702	1363
65°	2283	1425	1221
70°	1827	1120	1120
75°	1402	1063	1112
80°	1376	1227	1133
85°	1383	1359	1108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2941 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	2.1
10°-20°	122.7	6.3
20°-30°	216.0	11.1
30°-40°	334.7	17.2
40°-50°	426.3	21.9
50°-60°	387.9	19.9
60°-70°	251.6	12.9
70°-80°	122.4	6.3
80°-90°	45.8	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°	378.8	19.5
0°-40°	713.5	36.6
0°-60°	1527.7	78.4
0°-90°	1947.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1947.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	417	418	417	418	419	40
15°	422	425	430	438	442	120
25°	438	447	464	481	487	204
35°	512	534	541	532	528	326
45°	666	626	541	494	481	512
55°	601	528	404	348	330	537
65°	359	318	224	194	192	355
75°	135	123	102	97	107	153
85°	45	49	44	40	36	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	415.8	415.8	415.8	415.8	415.8
2.5°	416.6	417.1	415.8	416.1	416.8
5°	417.3	417.8	416.8	417.6	419.1
7.5°	417.8	418.8	418.8	420.6	422.6
10°	419.1	420.1	421.4	424.9	427.4
12.5°	420.1	421.9	424.9	430.7	433.5
15°	421.9	424.7	430.0	438.1	442.1
17.5°	424.1	428.2	435.8	446.4	451.2
20°	427.4	432.7	443.4	456.0	461.8
22.5°	431.7	438.8	452.5	467.4	473.7
25°	438.1	447.2	464.4	480.8	486.9
27.5°	447.7	459.1	478.8	495.2	499.8
30°	461.8	476.0	497.2	508.6	511.2
32.5°	482.8	501.0	518.0	521.8	522.3
35°	512.2	534.4	541.3	532.4	527.6
37.5°	548.1	572.9	562.7	536.4	527.8
40°	586.3	606.5	573.9	533.2	521.5
42.5°	626.7	625.7	566.3	518.7	506.1
45°	666.4	625.5	541.3	494.0	481.3
47.5°	699.8	606.5	510.1	463.4	448.4
50°	702.6	581.7	477.8	426.2	411.0
52.5°	662.1	557.2	443.6	387.7	370.3
55°	601.4	527.6	404.2	348.3	329.8
57.5°	544.0	488.9	361.2	307.6	289.3
60°	487.1	439.1	316.2	268.1	253.2
62.5°	424.1	381.2	270.1	228.9	221.1
65°	358.6	317.7	223.8	194.0	191.7
67.5°	295.2	257.5	179.6	161.1	163.9
70°	232.2	203.3	142.4	138.1	142.4
72.5°	176.5	160.4	115.8	116.8	123.9
75°	134.8	123.4	102.2	97.4	107.0
77.5°	108.0	100.7	90.5	83.5	90.5
80°	88.8	87.0	79.2	70.8	73.1
82.5°	67.0	68.3	62.2	57.9	55.1
85°	44.8	48.8	44.0	40.2	35.9
87.5°	22.5	27.3	23.3	20.7	18.5
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	16.7	18.5	17.1	18.8	19.1	13.3	15.0	13.7	15.3	15.7
	3H	18.0	19.6	18.4	19.9	20.3	14.6	16.1	15.0	16.5	16.8
	4H	18.4	19.9	18.8	20.2	20.6	15.2	16.6	15.6	17.0	17.3
	6H	18.7	20.1	19.1	20.4	20.8	15.7	17.1	16.1	17.4	17.8
	8H	18.8	20.1	19.2	20.5	20.9	15.9	17.2	16.3	17.6	18.0
	12H	18.9	20.2	19.4	20.6	21.0	16.1	17.3	16.5	17.7	18.2
4H	2H	16.9	18.4	17.3	18.7	19.1	14.0	15.4	14.4	15.8	16.2
	3H	18.4	19.6	18.8	20.0	20.4	15.4	16.6	15.8	17.0	17.4
	4H	18.8	20.0	19.3	20.4	20.8	16.1	17.2	16.5	17.6	18.0
	6H	19.3	20.3	19.8	20.7	21.2	16.8	17.7	17.2	18.2	18.6
	8H	19.5	20.4	20.0	20.9	21.3	17.1	18.0	17.5	18.4	18.9
	12H	19.7	20.5	20.2	21.0	21.5	17.3	18.1	17.8	18.6	19.1
8H	4H	19.0	19.9	19.4	20.3	20.8	16.4	17.3	16.9	17.8	18.2
	6H	19.5	20.3	20.0	20.8	21.3	17.3	18.0	17.8	18.5	19.0
	8H	19.8	20.5	20.3	21.0	21.5	17.7	18.4	18.2	18.9	19.4
	12H	20.1	20.7	20.6	21.2	21.8	18.0	18.6	18.5	19.1	19.7
12H	4H	19.0	19.8	19.4	20.3	20.7	16.5	17.3	17.0	17.8	18.3
	6H	19.6	20.3	20.1	20.7	21.3	17.4	18.1	17.9	18.6	19.1
	8H	19.9	20.5	20.4	21.0	21.6	17.9	18.5	18.4	19.0	19.5















(END OF REPORT)