

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: P1526743

Luminaire Tested: 14CGTX-20-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526743
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-20-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

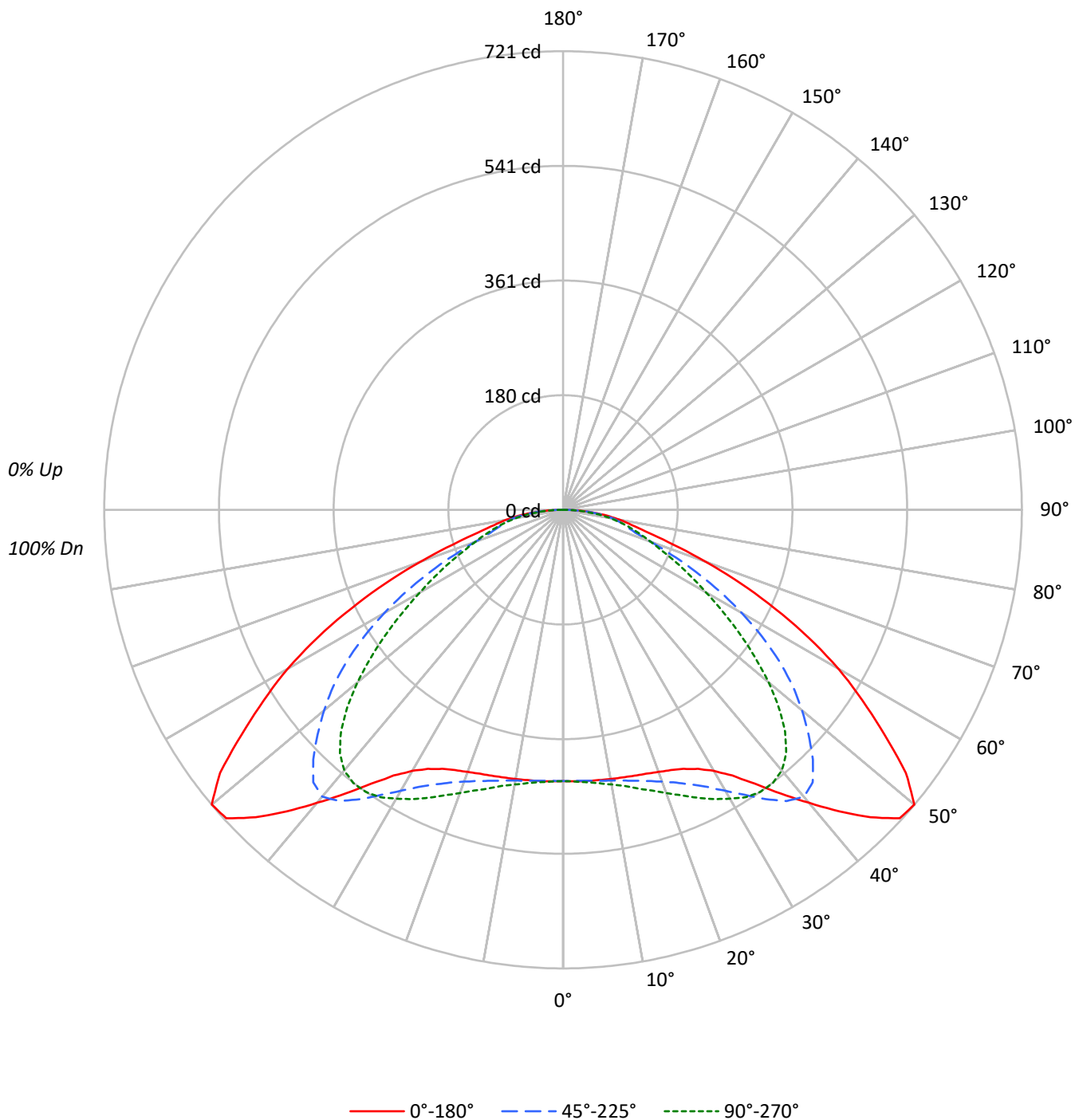
Lumens per Lamp: N/A
Luminaire Lumens: 1997.2 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): =20%
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°	1147	1147	1147
5°	1156	1155	1161
10°	1174	1181	1198
15°	1205	1229	1263
20°	1255	1302	1356
25°	1334	1414	1483
30°	1472	1585	1629
35°	1726	1824	1778
40°	2112	2068	1879
45°	2601	2112	1878
50°	3017	2051	1765
55°	2894	1945	1587
60°	2689	1745	1397
65°	2342	1462	1252
70°	1873	1149	1149
75°	1438	1090	1141
80°	1410	1258	1162
85°	1417	1392	1136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	2.1
10°-20°	125.9	6.3
20°-30°	221.6	11.1
30°-40°	343.2	17.2
40°-50°	437.2	21.9
50°-60°	397.8	19.9
60°-70°	258.0	12.9
70°-80°	125.5	6.3
80°-90°	47.0	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°	388.5	19.5
0°-40°	731.7	36.6
0°-60°	1566.7	78.4
0°-90°	1997.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1997.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	428	428	428	428	430	41
15°	433	436	441	449	453	123
25°	449	459	476	493	499	210
35°	525	548	555	546	541	335
45°	684	642	555	507	494	525
55°	617	541	414	357	338	551
65°	368	326	230	199	197	364
75°	138	127	105	100	110	157
85°	46	50	45	41	37	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	426.4	426.4	426.4	426.4	426.4
2.5°	427.2	427.7	426.4	426.7	427.5
5°	428.0	428.5	427.5	428.3	429.8
7.5°	428.5	429.5	429.5	431.4	433.4
10°	429.8	430.8	432.1	435.8	438.4
12.5°	430.8	432.7	435.8	441.7	444.6
15°	432.7	435.5	441.0	449.3	453.4
17.5°	435.0	439.1	446.9	457.8	462.7
20°	438.4	443.8	454.7	467.7	473.6
22.5°	442.8	450.0	464.0	479.4	485.8
25°	449.3	458.6	476.2	493.1	499.3
27.5°	459.1	470.8	491.0	507.9	512.6
30°	473.6	488.2	510.0	521.6	524.2
32.5°	495.2	513.8	531.2	535.1	535.6
35°	525.3	548.1	555.1	546.0	541.1
37.5°	562.1	587.5	577.1	550.2	541.3
40°	601.3	622.0	588.6	546.8	534.9
42.5°	642.8	641.7	580.8	532.0	519.0
45°	683.5	641.5	555.1	506.6	493.6
47.5°	717.7	622.0	523.2	475.2	459.9
50°	720.6	596.6	490.0	437.1	421.5
52.5°	679.1	571.4	455.0	397.6	379.7
55°	616.8	541.1	414.5	357.2	338.2
57.5°	557.9	501.4	370.4	315.4	296.7
60°	499.6	450.3	324.2	275.0	259.6
62.5°	435.0	390.9	277.0	234.7	226.7
65°	367.8	325.8	229.6	199.0	196.6
67.5°	302.7	264.1	184.2	165.2	168.1
70°	238.1	208.5	146.0	141.6	146.0
72.5°	181.1	164.5	118.8	119.8	127.1
75°	138.3	126.6	104.8	99.9	109.7
77.5°	110.8	103.2	92.9	85.6	92.9
80°	91.0	89.2	81.2	72.6	75.0
82.5°	68.7	70.0	63.8	59.4	56.5
85°	45.9	50.1	45.1	41.2	36.8
87.5°	23.1	28.0	23.9	21.3	18.9
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	16.8	18.6	17.2	18.9	19.2	13.4	15.1	13.8	15.4	15.7
	3H	18.1	19.7	18.5	20.0	20.4	14.7	16.2	15.0	16.6	16.9
	4H	18.5	19.9	18.9	20.3	20.7	15.2	16.7	15.6	17.1	17.4
	6H	18.8	20.1	19.2	20.5	20.9	15.8	17.2	16.2	17.5	17.9
	8H	18.9	20.2	19.3	20.6	21.0	16.0	17.3	16.4	17.7	18.1
	12H	19.0	20.3	19.4	20.6	21.1	16.2	17.4	16.6	17.8	18.2
4H	2H	17.0	18.5	17.4	18.8	19.2	14.0	15.5	14.4	15.9	16.2
	3H	18.5	19.7	18.9	20.1	20.5	15.5	16.7	15.9	17.1	17.5
	4H	18.9	20.1	19.4	20.5	20.9	16.2	17.3	16.6	17.7	18.1
	6H	19.4	20.4	19.8	20.8	21.3	16.9	17.8	17.3	18.3	18.7
	8H	19.6	20.5	20.1	20.9	21.4	17.2	18.1	17.6	18.5	19.0
	12H	19.8	20.6	20.3	21.1	21.5	17.4	18.2	17.9	18.7	19.2
8H	4H	19.0	20.0	19.5	20.4	20.9	16.5	17.4	17.0	17.9	18.3
	6H	19.6	20.4	20.1	20.9	21.3	17.4	18.1	17.8	18.6	19.1
	8H	19.9	20.6	20.4	21.1	21.6	17.8	18.5	18.3	19.0	19.4
	12H	20.2	20.8	20.7	21.3	21.9	18.1	18.7	18.6	19.2	19.8
12H	4H	19.1	19.9	19.5	20.4	20.8	16.6	17.4	17.1	17.9	18.4
	6H	19.7	20.4	20.2	20.8	21.4	17.5	18.2	18.0	18.6	19.2
	8H	20.0	20.6	20.5	21.1	21.7	18.0	18.6	18.5	19.1	19.6













(END OF REPORT)