

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: P1526741

Luminaire Tested: 14CGTX-20-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526741
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

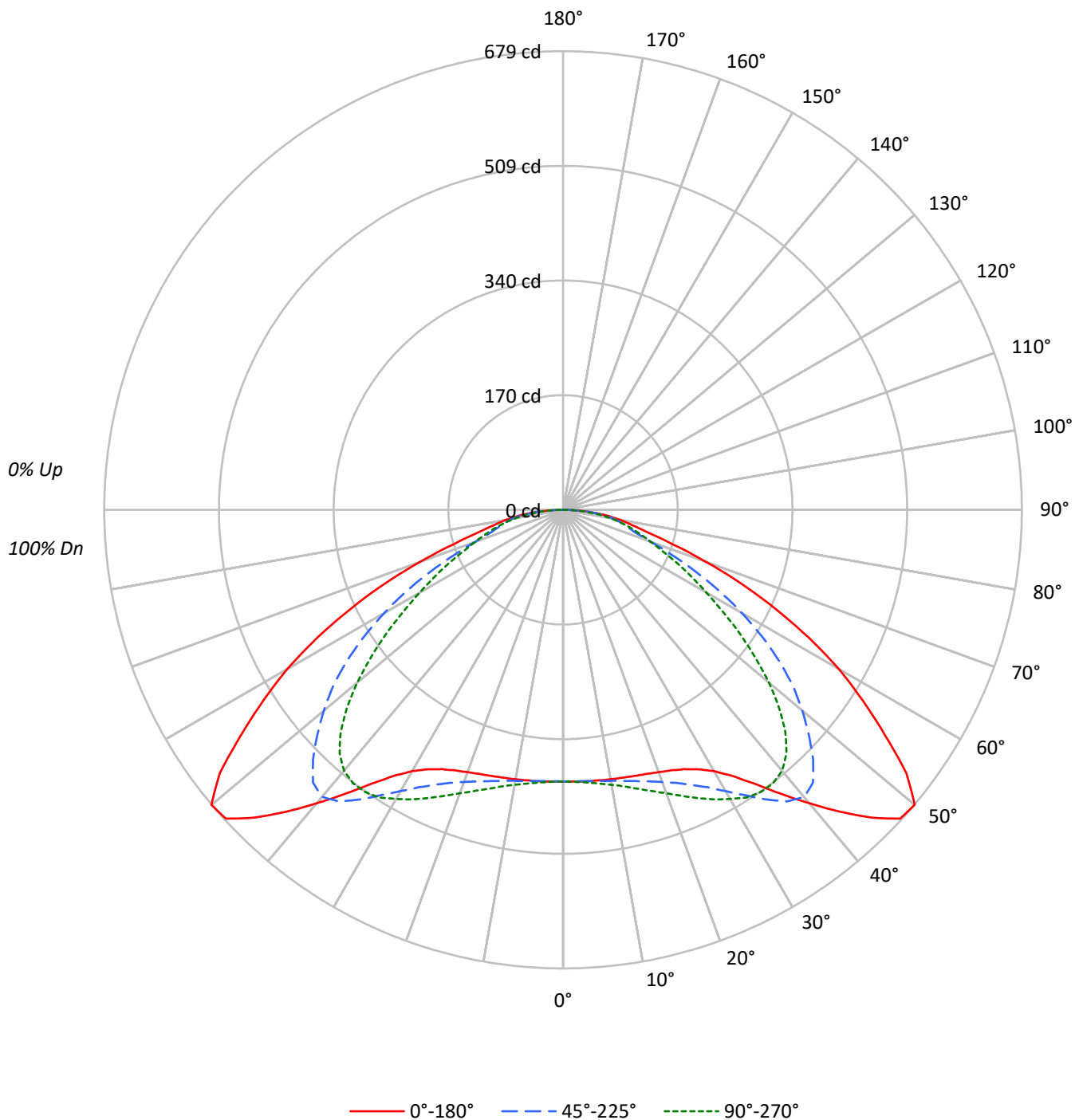
Lumens per Lamp: N/A
Luminaire Lumens: 1883.1 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1082	1082	1082
5°	1090	1089	1095
10°	1107	1113	1129
15°	1136	1158	1191
20°	1184	1228	1279
25°	1258	1333	1398
30°	1388	1494	1536
35°	1627	1719	1676
40°	1991	1949	1772
45°	2452	1992	1771
50°	2844	1934	1664
55°	2729	1833	1496
60°	2535	1645	1318
65°	2208	1378	1181
70°	1766	1083	1083
75°	1356	1027	1076
80°	1330	1185	1096
85°	1337	1315	1071

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	2.1
10°-20°	118.7	6.3
20°-30°	208.9	11.1
30°-40°	323.6	17.2
40°-50°	412.3	21.9
50°-60°	375.1	19.9
60°-70°	243.2	12.9
70°-80°	118.3	6.3
80°-90°	44.3	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°	366.3	19.5
0°-40°	689.9	36.6
0°-60°	1477.2	78.4
0°-90°	1883.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1883.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	402	402	402	402	402	
5°	404	404	403	404	405	39
15°	408	411	416	424	428	116
25°	424	432	449	465	471	198
35°	495	517	523	515	510	315
45°	644	605	523	478	465	495
55°	582	510	391	337	319	519
65°	347	307	216	188	185	343
75°	130	119	99	94	104	148
85°	43	47	43	39	35	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	402.1	402.1	402.1	402.1	402.1
2.5°	402.8	403.3	402.1	402.3	403.0
5°	403.5	404.0	403.0	403.8	405.2
7.5°	404.0	405.0	405.0	406.7	408.7
10°	405.2	406.2	407.4	410.9	413.3
12.5°	406.2	407.9	410.9	416.5	419.2
15°	407.9	410.6	415.8	423.6	427.5
17.5°	410.1	414.1	421.4	431.7	436.3
20°	413.3	418.5	428.7	441.0	446.6
22.5°	417.5	424.3	437.5	452.0	458.1
25°	423.6	432.4	449.0	464.9	470.8
27.5°	432.9	443.9	463.0	478.9	483.3
30°	446.6	460.3	480.8	491.8	494.3
32.5°	466.9	484.5	500.9	504.5	505.0
35°	495.2	516.8	523.4	514.8	510.2
37.5°	530.0	553.9	544.2	518.7	510.4
40°	566.9	586.5	554.9	515.5	504.3
42.5°	606.0	605.1	547.6	501.6	489.4
45°	644.4	604.8	523.4	477.6	465.4
47.5°	676.7	586.5	493.3	448.0	433.6
50°	679.4	562.5	462.0	412.1	397.4
52.5°	640.3	538.8	429.0	374.9	358.0
55°	581.6	510.2	390.8	336.8	318.9
57.5°	526.1	472.7	349.2	297.4	279.8
60°	471.0	424.6	305.7	259.2	244.8
62.5°	410.1	368.6	261.2	221.3	213.8
65°	346.8	307.2	216.4	187.6	185.4
67.5°	285.4	249.0	173.6	155.8	158.5
70°	224.5	196.6	137.7	133.5	137.7
72.5°	170.7	155.1	112.0	113.0	119.8
75°	130.4	119.3	98.8	94.2	103.5
77.5°	104.4	97.3	87.6	80.7	87.6
80°	85.8	84.1	76.5	68.5	70.7
82.5°	64.8	66.0	60.2	56.0	53.3
85°	43.3	47.2	42.6	38.9	34.7
87.5°	21.8	26.4	22.5	20.1	17.9
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	16.6	18.4	17.0	18.7	19.0	13.2	14.9	13.5	15.2	15.5
	3H	17.9	19.5	18.3	19.8	20.2	14.5	16.0	14.8	16.4	16.7
	4H	18.3	19.7	18.7	20.1	20.5	15.0	16.5	15.4	16.9	17.2
	6H	18.6	19.9	19.0	20.3	20.7	15.6	16.9	16.0	17.3	17.7
	8H	18.7	20.0	19.1	20.4	20.8	15.8	17.1	16.2	17.5	17.9
	12H	18.8	20.1	19.2	20.4	20.9	16.0	17.2	16.4	17.6	18.0
4H	2H	16.8	18.3	17.2	18.6	19.0	13.8	15.3	14.2	15.7	16.0
	3H	18.3	19.5	18.7	19.9	20.3	15.3	16.5	15.7	16.9	17.3
	4H	18.7	19.8	19.2	20.3	20.7	16.0	17.1	16.4	17.5	17.9
	6H	19.2	20.2	19.6	20.6	21.1	16.7	17.6	17.1	18.1	18.5
	8H	19.4	20.3	19.8	20.7	21.2	17.0	17.9	17.4	18.3	18.8
	12H	19.6	20.4	20.0	20.9	21.3	17.2	18.0	17.7	18.5	19.0
8H	4H	18.8	19.8	19.3	20.2	20.7	16.3	17.2	16.8	17.7	18.1
	6H	19.4	20.2	19.9	20.7	21.1	17.2	17.9	17.6	18.4	18.9
	8H	19.7	20.4	20.2	20.9	21.4	17.6	18.2	18.1	18.8	19.2
	12H	20.0	20.6	20.5	21.1	21.7	17.9	18.5	18.4	19.0	19.6
12H	4H	18.9	19.7	19.3	20.2	20.6	16.4	17.2	16.9	17.7	18.1
	6H	19.5	20.2	20.0	20.6	21.2	17.3	18.0	17.8	18.4	19.0
	8H	19.8	20.4	20.3	20.9	21.5	17.8	18.4	18.3	18.9	19.4















(END OF REPORT)