

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: P1526747

Luminaire Tested: 14CGTX-20HE-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526747
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

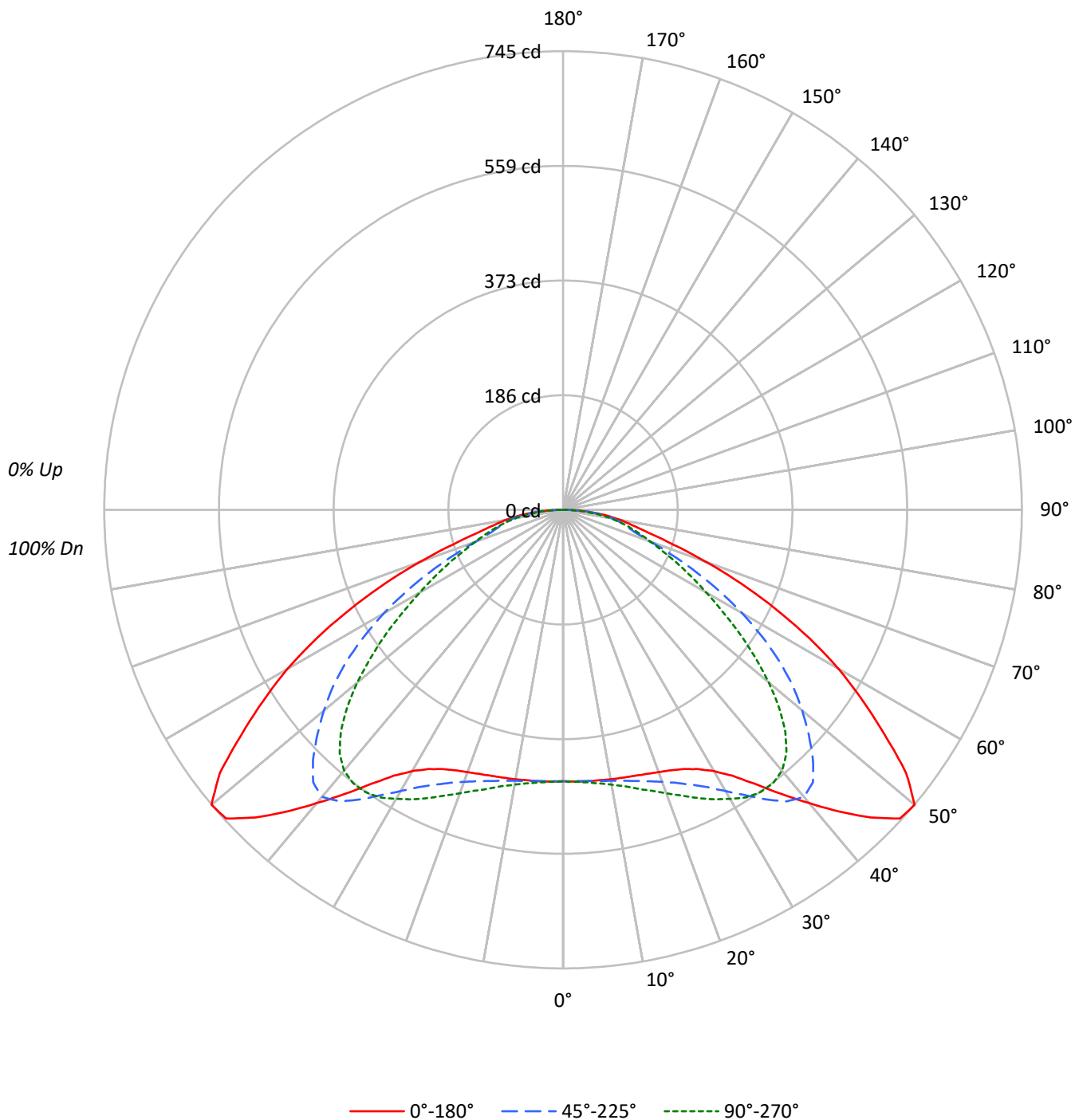
Lumens per Lamp: N/A
Luminaire Lumens: 2065.5 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1187	1187	1187
5°	1196	1194	1201
10°	1215	1221	1239
15°	1246	1270	1306
20°	1298	1347	1403
25°	1379	1462	1533
30°	1522	1639	1684
35°	1784	1886	1838
40°	2184	2138	1943
45°	2690	2185	1943
50°	3120	2121	1825
55°	2993	2011	1641
60°	2780	1805	1445
65°	2422	1512	1294
70°	1938	1188	1188
75°	1487	1127	1180
80°	1460	1302	1201
85°	1467	1442	1176

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	2.1
10°-20°	130.2	6.3
20°-30°	229.1	11.1
30°-40°	354.9	17.2
40°-50°	452.2	21.9
50°-60°	411.4	19.9
60°-70°	266.8	12.9
70°-80°	129.8	6.3
80°-90°	48.6	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°	401.8	19.5
0°-40°	756.7	36.6
0°-60°	1620.3	78.4
0°-90°	2065.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2065.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	443	443	442	443	444	42
15°	447	450	456	465	469	127
25°	465	474	492	510	516	217
35°	543	567	574	565	560	346
45°	707	663	574	524	510	543
55°	638	560	429	369	350	569
65°	380	337	237	206	203	377
75°	143	131	108	103	114	162
85°	48	52	47	43	38	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.0	441.0	441.0	441.0	441.0
2.5°	441.8	442.3	441.0	441.3	442.1
5°	442.6	443.1	442.1	442.9	444.5
7.5°	443.1	444.2	444.2	446.1	448.2
10°	444.5	445.6	446.9	450.7	453.3
12.5°	445.6	447.4	450.7	456.8	459.8
15°	447.4	450.4	456.0	464.6	468.9
17.5°	449.9	454.1	462.2	473.5	478.6
20°	453.3	459.0	470.2	483.7	489.8
22.5°	457.9	465.4	479.9	495.7	502.4
25°	464.6	474.3	492.5	509.9	516.4
27.5°	474.8	486.9	507.8	525.2	530.1
30°	489.8	504.8	527.4	539.4	542.1
32.5°	512.1	531.4	549.4	553.4	553.9
35°	543.2	566.8	574.1	564.7	559.6
37.5°	581.3	607.6	596.9	569.0	559.8
40°	621.8	643.3	608.7	565.5	553.1
42.5°	664.7	663.6	600.6	550.2	536.8
45°	706.8	663.4	574.1	523.9	510.5
47.5°	742.2	643.3	541.1	491.4	475.6
50°	745.2	617.0	506.7	452.0	435.9
52.5°	702.3	591.0	470.5	411.2	392.7
55°	637.9	559.6	428.7	369.4	349.8
57.5°	577.0	518.5	383.1	326.2	306.9
60°	516.6	465.7	335.3	284.3	268.5
62.5°	449.9	404.3	286.5	242.8	234.4
65°	380.4	336.9	237.4	205.7	203.3
67.5°	313.0	273.1	190.5	170.9	173.8
70°	246.3	215.7	151.0	146.5	151.0
72.5°	187.2	170.1	122.9	123.9	131.4
75°	143.0	130.9	108.4	103.3	113.5
77.5°	114.5	106.8	96.0	88.5	96.0
80°	94.2	92.3	84.0	75.1	77.5
82.5°	71.1	72.4	66.0	61.4	58.5
85°	47.5	51.8	46.7	42.7	38.1
87.5°	23.9	29.0	24.7	22.0	19.6
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	17.0	18.7	17.3	19.0	19.3	13.5	15.2	13.9	15.5	15.9
	3H	18.2	19.8	18.6	20.1	20.5	14.8	16.4	15.2	16.7	17.0
	4H	18.6	20.1	19.0	20.4	20.8	15.4	16.8	15.8	17.2	17.6
	6H	18.9	20.3	19.3	20.6	21.0	15.9	17.3	16.3	17.6	18.0
	8H	19.0	20.3	19.4	20.7	21.1	16.1	17.4	16.5	17.8	18.2
	12H	19.1	20.4	19.6	20.8	21.2	16.3	17.6	16.7	17.9	18.4
4H	2H	17.1	18.6	17.5	18.9	19.3	14.2	15.6	14.6	16.0	16.4
	3H	18.6	19.8	19.0	20.2	20.6	15.6	16.8	16.0	17.2	17.6
	4H	19.1	20.2	19.5	20.6	21.0	16.3	17.4	16.7	17.8	18.2
	6H	19.5	20.5	20.0	20.9	21.4	17.0	17.9	17.4	18.4	18.8
	8H	19.7	20.6	20.2	21.1	21.5	17.3	18.2	17.7	18.6	19.1
	12H	19.9	20.7	20.4	21.2	21.7	17.5	18.3	18.0	18.8	19.3
8H	4H	19.2	20.1	19.6	20.5	21.0	16.6	17.5	17.1	18.0	18.4
	6H	19.7	20.5	20.2	21.0	21.5	17.5	18.2	18.0	18.7	19.2
	8H	20.0	20.7	20.5	21.2	21.7	17.9	18.6	18.4	19.1	19.6
	12H	20.3	20.9	20.8	21.4	22.0	18.2	18.9	18.7	19.3	19.9
12H	4H	19.2	20.0	19.7	20.5	20.9	16.7	17.5	17.2	18.0	18.5
	6H	19.8	20.5	20.3	20.9	21.5	17.6	18.3	18.1	18.8	19.3
	8H	20.1	20.7	20.6	21.2	21.8	18.1	18.7	18.6	19.2	19.7















(END OF REPORT)