

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: P1526872

Luminaire Tested: 24CGTX-30HE-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-30HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

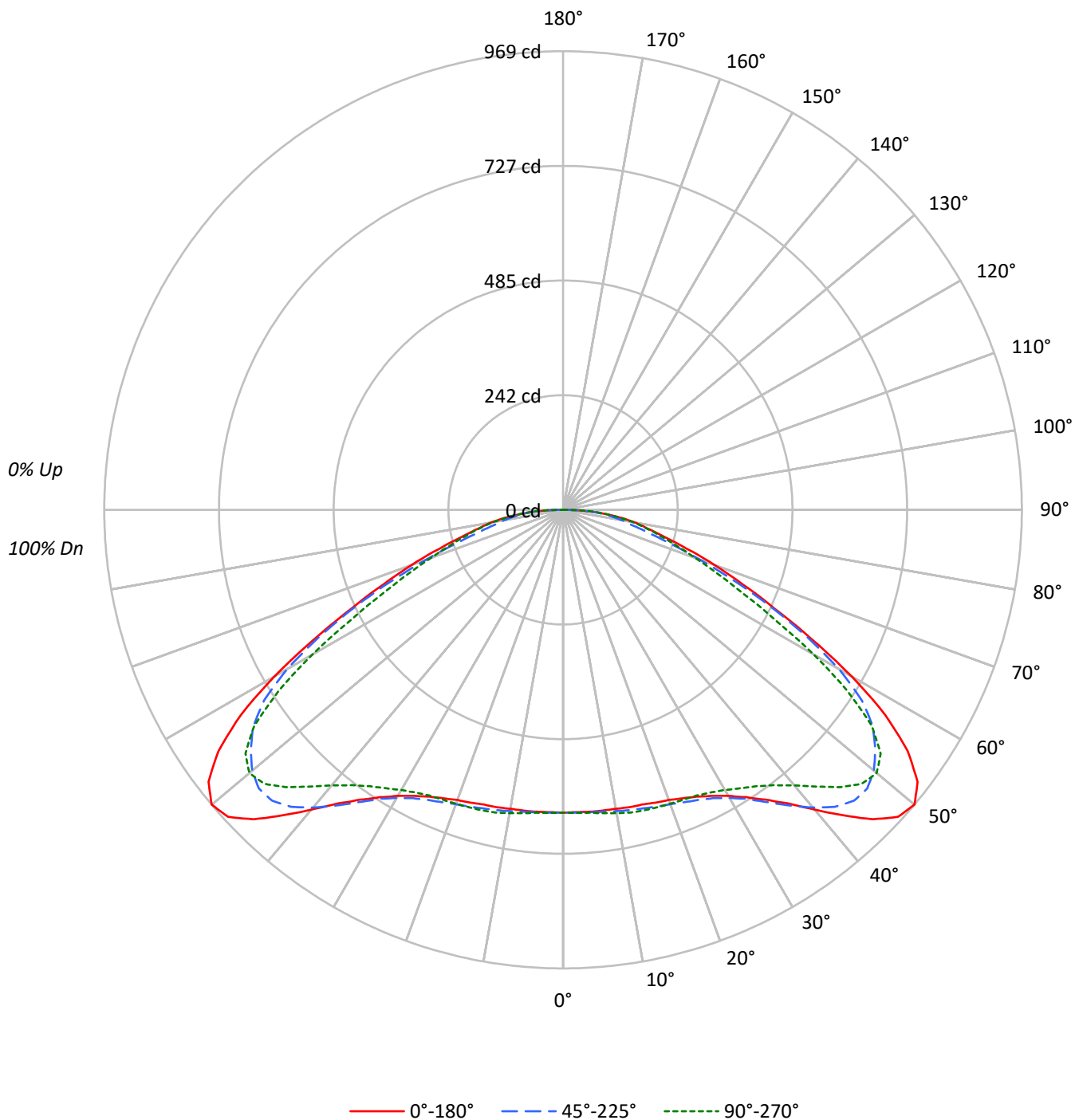
Lumens per Lamp: N/A
Luminaire Lumens: 3193.5 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.9
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

TEST NUMBER: P1526872

CATALOG NUMBER: 24CGTX-30HE-A125-L850

Luminous Intensity Polar Plot



TEST NUMBER: P1526872

CATALOG NUMBER: 24CGTX-30HE-A125-L850

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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84		82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68		66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56		54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47		44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39		37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34		31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29		27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25		23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22		20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	861	861	861
5°	865	866	868
10°	876	883	889
15°	898	910	916
20°	934	948	946
25°	992	1004	989
30°	1084	1092	1062
35°	1228	1239	1171
40°	1452	1442	1334
45°	1759	1654	1576
50°	2028	1794	1810
55°	2084	1874	1868
60°	1894	1811	1644
65°	1567	1539	1341
70°	1338	1205	1166
75°	1158	960	1104
80°	1199	972	1161
85°	1212	1170	1289

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2086 cd/sqm

TEST NUMBER: P1526872

CATALOG NUMBER: 24CGTX-30HE-A125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.9
10°-20°	185.2	5.8
20°-30°	312.8	9.8
30°-40°	470.8	14.7
40°-50°	669.5	21.0
50°-60°	718.5	22.5
60°-70°	468.2	14.7
70°-80°	225.1	7.1
80°-90°	81.9	2.6
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°	559.3	17.5
0°-40°	1030.1	32.3
0°-60°	2418.1	75.7
0°-90°	3193.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3193.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	640	641	641	644	642	61
15°	645	648	653	657	657	183
25°	668	675	676	670	666	311
35°	748	762	754	729	713	475
45°	924	902	869	846	828	710
55°	888	866	799	776	796	777
65°	492	488	483	431	421	498
75°	223	211	185	210	212	245
85°	78	74	76	78	84	85
90°	0	0	0	0	0	

TEST NUMBER: P1526872

CATALOG NUMBER: 24CGTX-30HE-A125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	639.7	639.7	639.7	639.7	639.7
2.5°	639.2	639.7	640.3	640.8	640.8
5°	640.3	640.8	641.4	643.6	642.5
7.5°	640.8	641.4	643.1	646.4	646.4
10°	641.4	643.1	646.4	649.7	650.8
12.5°	643.6	645.3	649.7	654.1	655.2
15°	644.7	648.0	653.0	656.9	657.4
17.5°	648.6	651.9	657.4	659.1	659.1
20°	652.4	656.9	661.8	661.8	660.7
22.5°	659.6	664.6	668.5	665.2	663.0
25°	668.5	674.6	676.2	670.1	666.3
27.5°	681.2	688.9	686.7	678.4	673.5
30°	697.8	707.7	702.8	690.6	683.4
32.5°	719.9	732.1	723.8	708.3	697.2
35°	747.6	761.9	754.2	728.8	712.7
37.5°	781.8	796.8	787.4	754.7	733.2
40°	826.6	834.4	821.1	785.7	759.7
42.5°	875.3	871.4	850.9	818.3	792.9
45°	924.5	901.8	869.2	846.5	828.3
47.5°	959.9	917.9	871.4	859.8	856.5
50°	968.7	914.5	857.0	852.6	864.8
52.5°	943.8	896.8	831.0	823.3	845.4
55°	888.5	865.9	799.0	775.8	796.2
57.5°	807.3	805.6	748.1	706.6	712.2
60°	703.9	710.5	672.9	614.3	611.0
62.5°	592.2	596.1	579.5	518.6	507.0
65°	492.1	488.2	483.3	431.3	421.3
67.5°	409.7	398.1	390.4	358.8	353.9
70°	340.0	321.8	306.3	301.3	296.4
72.5°	275.4	262.1	237.2	251.0	250.5
75°	222.8	210.7	184.7	210.1	212.3
77.5°	182.5	174.2	149.3	172.5	179.7
80°	154.8	137.7	125.5	140.4	149.8
82.5°	118.3	105.1	102.3	108.4	117.2
85°	78.5	73.5	75.8	78.0	83.5
87.5°	39.8	42.6	45.9	49.8	52.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526872

CATALOG NUMBER: 24CGTX-30HE-A125-L850

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	15.9	17.7	16.2	18.0	18.3	15.0	16.7	15.3	17.1	17.4
	3H	17.0	18.6	17.4	18.9	19.3	16.1	17.7	16.5	18.0	18.4
	4H	17.4	18.9	17.8	19.2	19.6	16.6	18.1	17.0	18.4	18.8
	6H	17.7	19.1	18.1	19.5	19.9	17.0	18.4	17.4	18.8	19.2
	8H	17.9	19.2	18.3	19.6	20.0	17.2	18.6	17.6	18.9	19.3
	12H	18.0	19.3	18.4	19.7	20.1	17.4	18.7	17.8	19.1	19.5
4H	2H	16.3	17.8	16.7	18.2	18.5	15.5	17.1	15.9	17.4	17.8
	3H	17.6	18.8	18.0	19.2	19.6	16.8	18.1	17.3	18.5	18.9
	4H	18.1	19.2	18.5	19.6	20.1	17.4	18.6	17.9	19.0	19.4
	6H	18.6	19.6	19.0	20.0	20.5	18.0	19.0	18.5	19.5	19.9
	8H	18.8	19.7	19.2	20.2	20.6	18.3	19.2	18.7	19.7	20.1
	12H	19.0	19.8	19.5	20.3	20.8	18.5	19.4	19.0	19.8	20.3
8H	4H	18.2	19.2	18.7	19.6	20.1	17.6	18.6	18.1	19.0	19.5
	6H	18.8	19.6	19.3	20.1	20.6	18.3	19.1	18.8	19.6	20.1
	8H	19.1	19.8	19.6	20.4	20.8	18.7	19.4	19.2	19.9	20.4
	12H	19.4	20.1	19.9	20.5	21.1	19.1	19.7	19.6	20.2	20.7
12H	4H	18.3	19.1	18.7	19.6	20.1	17.7	18.5	18.1	19.0	19.5
	6H	18.9	19.6	19.4	20.1	20.6	18.4	19.1	18.9	19.6	20.1
	8H	19.2	19.9	19.7	20.4	20.9	18.8	19.5	19.3	19.9	20.5













(END OF REPORT)