

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: P1526870

Luminaire Tested: 24CGTX-30HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526870
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

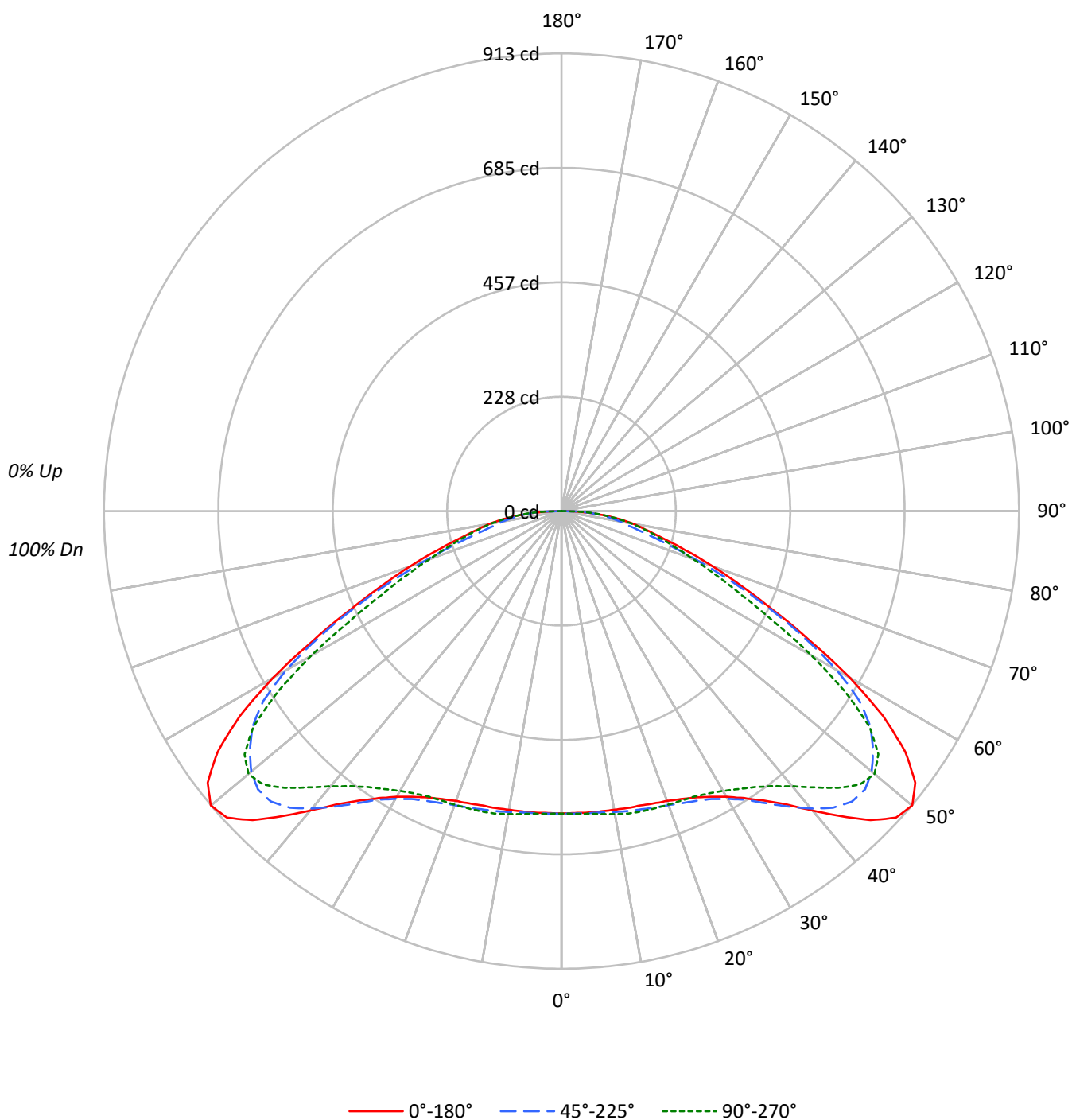
Lumens per Lamp: N/A
Luminaire Lumens: 3011.0 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1526870

CATALOG NUMBER: 24CGTX-30HE-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1526870

CATALOG NUMBER: 24CGTX-30HE-A125-L835

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	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°	812	812	812
5°	815	817	818
10°	826	833	838
15°	847	858	863
20°	881	893	892
25°	936	947	933
30°	1022	1029	1001
35°	1158	1168	1104
40°	1369	1360	1258
45°	1659	1559	1486
50°	1912	1692	1707
55°	1965	1767	1761
60°	1786	1707	1550
65°	1477	1450	1265
70°	1261	1136	1099
75°	1092	905	1041
80°	1131	917	1095
85°	1142	1102	1215

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1967 cd/sqm

TEST NUMBER: P1526870

CATALOG NUMBER: 24CGTX-30HE-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	1.9
10°-20°	174.6	5.8
20°-30°	294.9	9.8
30°-40°	443.9	14.7
40°-50°	631.2	21.0
50°-60°	677.5	22.5
60°-70°	441.5	14.7
70°-80°	212.3	7.0
80°-90°	77.2	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°	527.4	17.5
0°-40°	971.3	32.3
0°-60°	2280.0	75.7
0°-90°	3011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	604	604	605	607	606	58
15°	608	611	616	619	620	173
25°	630	636	638	632	628	293
35°	705	718	711	687	672	447
45°	872	850	820	798	781	669
55°	838	816	753	731	751	733
65°	464	460	456	407	397	470
75°	210	199	174	198	200	231
85°	74	69	71	74	79	81
90°	0	0	0	0	0	

TEST NUMBER: P1526870

CATALOG NUMBER: 24CGTX-30HE-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	603.2	603.2	603.2	603.2	603.2
2.5°	602.7	603.2	603.7	604.2	604.2
5°	603.7	604.2	604.7	606.8	605.8
7.5°	604.2	604.7	606.3	609.4	609.4
10°	604.7	606.3	609.4	612.6	613.6
12.5°	606.8	608.4	612.6	616.7	617.8
15°	607.9	611.0	615.7	619.3	619.9
17.5°	611.5	614.6	619.9	621.4	621.4
20°	615.2	619.3	624.0	624.0	623.0
22.5°	621.9	626.6	630.3	627.2	625.1
25°	630.3	636.0	637.6	631.8	628.2
27.5°	642.3	649.6	647.5	639.7	635.0
30°	657.9	667.3	662.6	651.1	644.4
32.5°	678.8	690.2	682.4	667.8	657.4
35°	704.8	718.4	711.1	687.1	672.0
37.5°	737.2	751.2	742.4	711.6	691.3
40°	779.4	786.7	774.2	740.8	716.3
42.5°	825.3	821.6	802.3	771.6	747.6
45°	871.7	850.3	819.5	798.2	780.9
47.5°	905.0	865.4	821.6	810.7	807.5
50°	913.4	862.3	808.1	803.9	815.4
52.5°	889.9	845.6	783.6	776.3	797.1
55°	837.8	816.4	753.3	731.4	750.7
57.5°	761.1	759.6	705.4	666.3	671.5
60°	663.7	669.9	634.5	579.2	576.1
62.5°	558.3	562.0	546.4	489.0	478.1
65°	464.0	460.3	455.6	406.6	397.3
67.5°	386.3	375.4	368.1	338.3	333.6
70°	320.6	303.4	288.8	284.1	279.4
72.5°	259.6	247.1	223.6	236.7	236.2
75°	210.1	198.6	174.1	198.1	200.2
77.5°	172.0	164.2	140.8	162.7	169.4
80°	146.0	129.8	118.3	132.4	141.3
82.5°	111.6	99.1	96.4	102.2	110.5
85°	74.0	69.3	71.4	73.5	78.7
87.5°	37.5	40.1	43.3	46.9	49.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526870

CATALOG NUMBER: 24CGTX-30HE-A125-L835

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	15.7	17.5	16.0	17.8	18.1	14.8	16.5	15.1	16.9	17.2
	3H	16.8	18.4	17.2	18.7	19.1	15.9	17.5	16.3	17.8	18.2
	4H	17.2	18.7	17.6	19.0	19.4	16.4	17.9	16.8	18.2	18.6
	6H	17.5	18.9	17.9	19.3	19.7	16.8	18.2	17.2	18.6	19.0
	8H	17.7	19.0	18.1	19.4	19.8	17.0	18.4	17.4	18.7	19.1
	12H	17.8	19.1	18.2	19.5	19.9	17.2	18.5	17.6	18.9	19.3
4H	2H	16.1	17.6	16.5	18.0	18.3	15.3	16.8	15.7	17.2	17.6
	3H	17.4	18.6	17.8	19.0	19.4	16.6	17.9	17.0	18.3	18.7
	4H	17.9	19.0	18.3	19.4	19.9	17.2	18.4	17.7	18.8	19.2
	6H	18.4	19.4	18.8	19.8	20.3	17.8	18.8	18.3	19.3	19.7
	8H	18.6	19.5	19.0	20.0	20.4	18.1	19.0	18.5	19.5	19.9
	12H	18.8	19.6	19.2	20.1	20.6	18.3	19.2	18.8	19.6	20.1
8H	4H	18.0	19.0	18.5	19.4	19.9	17.4	18.4	17.9	18.8	19.3
	6H	18.6	19.4	19.1	19.9	20.4	18.1	18.9	18.6	19.4	19.9
	8H	18.9	19.6	19.4	20.1	20.6	18.5	19.2	19.0	19.7	20.2
	12H	19.2	19.9	19.7	20.3	20.9	18.8	19.5	19.3	20.0	20.5
12H	4H	18.1	18.9	18.5	19.4	19.9	17.5	18.3	17.9	18.8	19.3
	6H	18.7	19.4	19.2	19.9	20.4	18.2	18.9	18.7	19.4	19.9
	8H	19.0	19.7	19.5	20.2	20.7	18.6	19.3	19.1	19.7	20.3















(END OF REPORT)