

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: P1527091

Luminaire Tested: 24CGTX-30HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-30HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

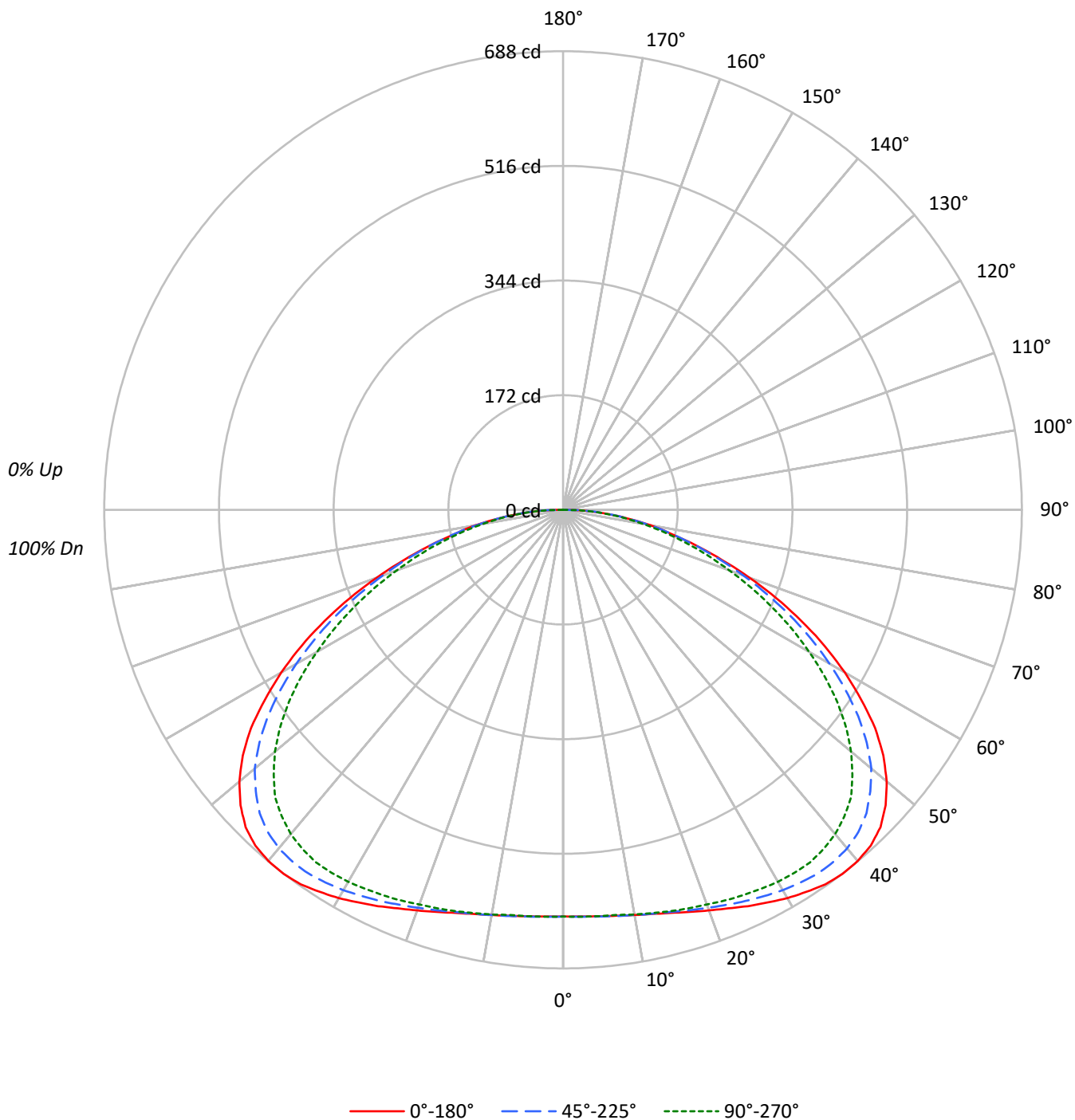
Lumens per Lamp: N/A
Luminaire Lumens: 2580.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1527091

CATALOG NUMBER: 24CGTX-30HE-F125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1527091

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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	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	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66			
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54			
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45			
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39			
6	67	53	43	36	65	52	43	36	50	42	36	48	41	36	47	40	35	33			
7	62	47	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	27	38	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	25	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	33	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	821	821	821
5°	826	827	826
10°	843	843	842
15°	872	870	868
20°	916	910	902
25°	974	961	947
30°	1045	1023	1001
35°	1126	1094	1061
40°	1208	1164	1115
45°	1281	1224	1162
50°	1326	1263	1180
55°	1340	1268	1177
60°	1312	1242	1147
65°	1256	1196	1102
70°	1170	1131	1042
75°	1071	1064	987
80°	1039	1018	945
85°	965	1007	945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1340 cd/sqm

TEST NUMBER: P1527091

CATALOG NUMBER: 24CGTX-30HE-F125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	2.3
10°-20°	177.5	6.9
20°-30°	299.8	11.6
30°-40°	417.0	16.2
40°-50°	493.6	19.1
50°-60°	478.9	18.6
60°-70°	369.0	14.3
70°-80°	215.3	8.3
80°-90°	70.4	2.7
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°	535.9	20.8
0°-40°	952.9	36.9
0°-60°	1925.4	74.6
0°-90°	2580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	612	612	612	612	612	59
15°	626	626	624	623	623	178
25°	656	653	648	641	638	304
35°	686	680	666	652	646	430
45°	673	664	643	621	611	517
55°	571	562	540	515	502	507
65°	395	390	376	356	346	390
75°	206	211	205	195	190	221
85°	62	66	65	64	61	70
90°	0	0	0	0	0	

TEST NUMBER: P1527091

CATALOG NUMBER: 24CGTX-30HE-F125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.1	610.1	610.1	610.1	610.1
2.5°	610.6	611.0	611.0	611.0	611.0
5°	611.9	612.4	612.4	612.4	611.9
7.5°	614.2	614.2	614.6	614.2	612.8
10°	617.3	617.3	617.3	616.9	616.4
12.5°	620.9	621.4	620.5	620.0	619.6
15°	625.9	625.9	624.5	623.2	623.2
17.5°	632.6	631.7	629.9	627.7	626.8
20°	639.4	638.5	635.3	631.7	629.9
22.5°	647.0	645.2	641.2	636.2	634.4
25°	656.0	653.3	647.5	640.7	638.0
27.5°	664.1	660.5	653.3	645.7	641.2
30°	672.6	668.2	658.7	648.8	644.3
32.5°	679.4	674.9	662.8	651.5	645.7
35°	685.7	679.8	665.9	652.0	645.7
37.5°	688.4	682.1	665.9	649.7	641.6
40°	687.5	680.7	662.8	644.3	634.9
42.5°	683.0	674.9	655.6	634.9	624.1
45°	673.1	664.1	643.4	621.4	610.6
47.5°	656.0	647.0	625.0	601.6	588.5
50°	633.5	624.1	603.4	577.3	563.8
52.5°	605.2	595.7	574.1	547.6	534.5
55°	571.4	561.5	540.4	515.2	501.7
57.5°	530.0	522.8	502.1	478.3	465.2
60°	487.7	480.5	461.6	439.1	426.1
62.5°	442.3	436.4	419.3	398.2	386.9
65°	394.6	390.1	375.7	356.3	346.0
67.5°	346.0	344.2	331.2	314.5	305.5
70°	297.4	298.3	287.5	272.7	265.0
72.5°	250.2	253.3	244.8	232.6	227.2
75°	206.1	211.0	204.7	195.3	189.9
77.5°	165.1	171.9	166.5	159.3	154.8
80°	134.1	133.6	131.4	126.0	121.9
82.5°	96.3	98.1	96.7	93.6	91.3
85°	62.5	65.7	65.2	63.9	61.2
87.5°	31.0	34.6	35.1	34.2	32.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527091

CATALOG NUMBER: 24CGTX-30HE-F125-L935

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	13.7	15.4	14.1	15.8	16.1	13.0	14.8	13.4	15.1	15.4
	3H	15.5	17.1	15.9	17.4	17.8	14.8	16.4	15.2	16.7	17.1
	4H	16.2	17.7	16.6	18.0	18.4	15.5	17.0	15.9	17.4	17.7
	6H	16.7	18.1	17.1	18.5	18.9	16.1	17.5	16.5	17.8	18.2
	8H	16.9	18.2	17.3	18.6	19.0	16.3	17.6	16.7	18.0	18.4
	12H	17.1	18.3	17.5	18.7	19.1	16.4	17.7	16.9	18.1	18.5
4H	2H	14.3	15.8	14.7	16.1	16.5	13.8	15.3	14.2	15.6	16.0
	3H	16.4	17.6	16.8	18.0	18.4	15.8	17.0	16.2	17.4	17.8
	4H	17.2	18.3	17.6	18.7	19.2	16.6	17.7	17.0	18.2	18.6
	6H	17.8	18.8	18.3	19.3	19.7	17.3	18.3	17.7	18.7	19.2
	8H	18.1	19.0	18.6	19.5	19.9	17.6	18.5	18.0	18.9	19.4
	12H	18.3	19.2	18.8	19.6	20.1	17.8	18.6	18.3	19.1	19.6
8H	4H	17.5	18.4	17.9	18.9	19.3	17.0	17.9	17.4	18.4	18.8
	6H	18.3	19.1	18.8	19.6	20.1	17.8	18.6	18.3	19.1	19.6
	8H	18.6	19.4	19.2	19.9	20.3	18.2	18.9	18.7	19.4	19.9
	12H	18.9	19.6	19.5	20.1	20.6	18.5	19.1	19.0	19.6	20.2
12H	4H	17.5	18.4	18.0	18.9	19.3	17.0	17.9	17.5	18.4	18.8
	6H	18.4	19.1	18.9	19.6	20.1	17.9	18.6	18.4	19.1	19.6
	8H	18.8	19.4	19.3	19.9	20.5	18.3	19.0	18.8	19.5	20.0















(END OF REPORT)