

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: P1527090

Luminaire Tested: 24CGTX-30HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527090
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

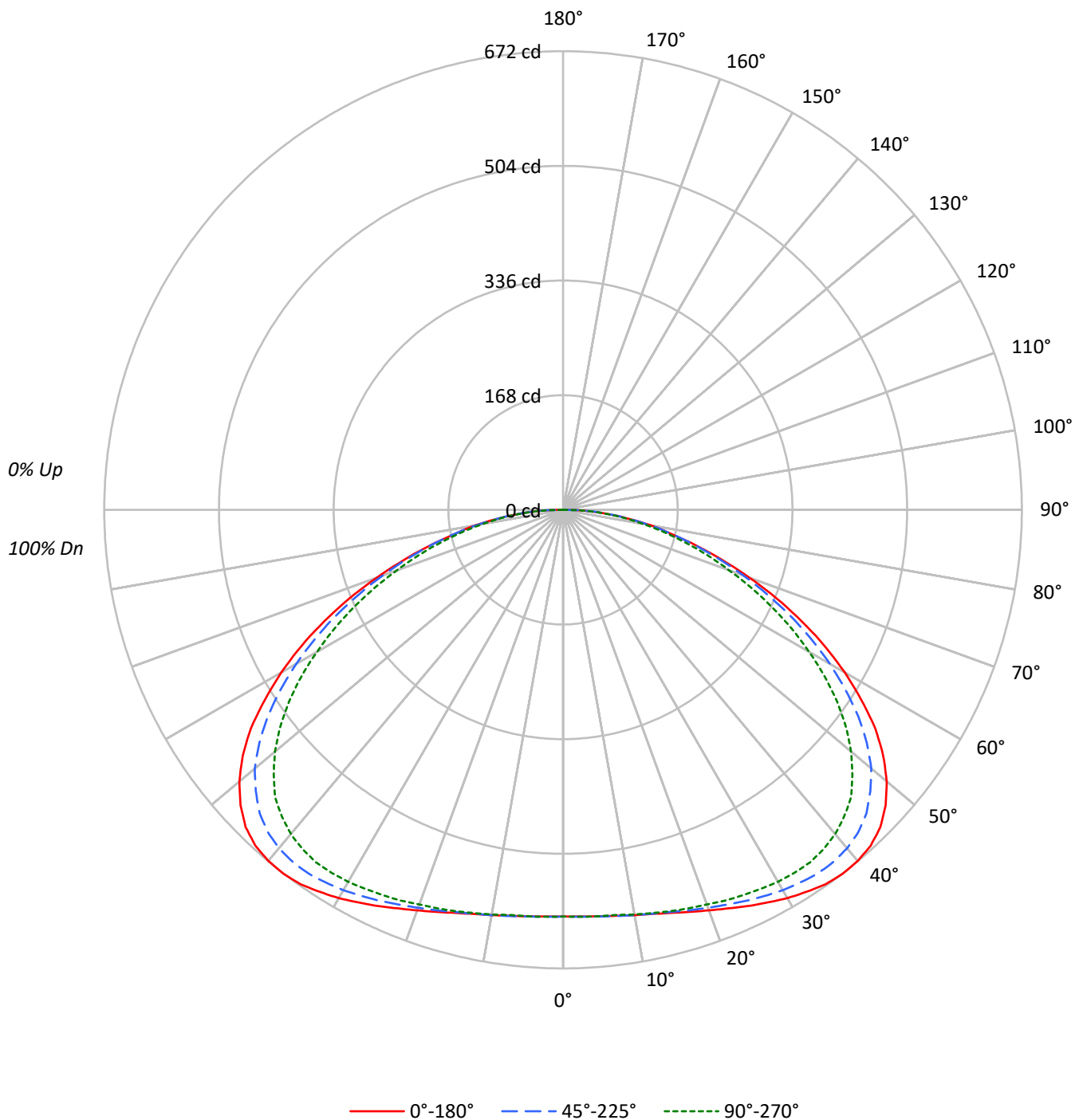
Lumens per Lamp: N/A
Luminaire Lumens: 2520.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1527090

CATALOG NUMBER: 24CGTX-30HE-F125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1527090

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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°	802	802	802
5°	807	808	807
10°	824	824	823
15°	852	850	848
20°	894	888	881
25°	951	939	925
30°	1021	1000	978
35°	1100	1068	1036
40°	1179	1137	1089
45°	1251	1196	1135
50°	1295	1234	1153
55°	1309	1238	1149
60°	1282	1213	1120
65°	1227	1168	1076
70°	1143	1105	1018
75°	1046	1040	964
80°	1015	994	923
85°	943	983	923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1309 cd/sqm

TEST NUMBER: P1527090

CATALOG NUMBER: 24CGTX-30HE-F125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	2.3
10°-20°	173.4	6.9
20°-30°	292.8	11.6
30°-40°	407.3	16.2
40°-50°	482.1	19.1
50°-60°	467.8	18.6
60°-70°	360.4	14.3
70°-80°	210.3	8.3
80°-90°	68.7	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°	523.4	20.8
0°-40°	930.7	36.9
0°-60°	1880.6	74.6
0°-90°	2520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	598	598	598	598	598	57
15°	611	611	610	609	609	174
25°	641	638	632	626	623	297
35°	670	664	650	637	631	420
45°	657	649	628	607	596	505
55°	558	548	528	503	490	495
65°	385	381	367	348	338	381
75°	201	206	200	191	186	216
85°	61	64	64	62	60	68
90°	0	0	0	0	0	



TEST NUMBER: P1527090

CATALOG NUMBER: 24CGTX-30HE-F125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	595.9	595.9	595.9	595.9	595.9
2.5°	596.4	596.8	596.8	596.8	596.8
5°	597.7	598.1	598.1	598.1	597.7
7.5°	599.9	599.9	600.3	599.9	598.6
10°	603.0	603.0	603.0	602.5	602.1
12.5°	606.5	606.9	606.0	605.6	605.1
15°	611.3	611.3	610.0	608.7	608.7
17.5°	617.9	617.0	615.3	613.1	612.2
20°	624.5	623.6	620.5	617.0	615.3
22.5°	632.0	630.2	626.2	621.4	619.7
25°	640.7	638.1	632.4	625.8	623.2
27.5°	648.7	645.1	638.1	630.6	626.2
30°	657.0	652.6	643.4	633.7	629.3
32.5°	663.6	659.2	647.3	636.4	630.6
35°	669.8	664.0	650.4	636.8	630.6
37.5°	672.4	666.2	650.4	634.6	626.7
40°	671.5	664.9	647.3	629.3	620.1
42.5°	667.1	659.2	640.3	620.1	609.5
45°	657.4	648.7	628.4	606.9	596.4
47.5°	640.7	632.0	610.4	587.6	574.8
50°	618.8	609.5	589.3	563.8	550.7
52.5°	591.1	581.9	560.8	534.8	522.1
55°	558.1	548.5	527.8	503.2	490.0
57.5°	517.7	510.7	490.4	467.2	454.4
60°	476.4	469.4	450.9	428.9	416.2
62.5°	432.0	426.3	409.6	388.9	377.9
65°	385.4	381.0	367.0	348.1	338.0
67.5°	338.0	336.2	323.4	307.2	298.4
70°	290.5	291.4	280.8	266.3	258.8
72.5°	244.3	247.4	239.1	227.2	221.9
75°	201.3	206.1	200.0	190.7	185.5
77.5°	161.3	167.9	162.6	155.6	151.2
80°	131.0	130.5	128.3	123.1	119.1
82.5°	94.0	95.8	94.5	91.4	89.2
85°	61.1	64.2	63.7	62.4	59.8
87.5°	30.3	33.8	34.3	33.4	32.1
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1527090

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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	13.6	15.4	14.0	15.7	16.0	13.0	14.7	13.3	15.0	15.3
	3H	15.4	17.0	15.8	17.3	17.7	14.7	16.3	15.1	16.6	17.0
	4H	16.1	17.6	16.5	17.9	18.3	15.4	16.9	15.8	17.3	17.6
	6H	16.6	18.0	17.0	18.4	18.8	16.0	17.4	16.4	17.7	18.1
	8H	16.8	18.2	17.3	18.5	18.9	16.2	17.5	16.6	17.9	18.3
	12H	17.0	18.3	17.4	18.6	19.1	16.4	17.6	16.8	18.0	18.4
4H	2H	14.2	15.7	14.6	16.1	16.4	13.7	15.2	14.1	15.5	15.9
	3H	16.3	17.5	16.7	17.9	18.3	15.7	17.0	16.1	17.4	17.8
	4H	17.1	18.2	17.5	18.6	19.1	16.5	17.7	16.9	18.1	18.5
	6H	17.8	18.8	18.2	19.2	19.7	17.2	18.2	17.7	18.7	19.1
	8H	18.0	19.0	18.5	19.4	19.9	17.5	18.4	17.9	18.9	19.3
	12H	18.2	19.1	18.7	19.5	20.0	17.7	18.5	18.2	19.0	19.5
8H	4H	17.4	18.3	17.9	18.8	19.2	16.9	17.8	17.4	18.3	18.8
	6H	18.2	19.0	18.7	19.5	20.0	17.7	18.5	18.2	19.0	19.5
	8H	18.6	19.3	19.1	19.8	20.3	18.1	18.8	18.6	19.3	19.8
	12H	18.9	19.5	19.4	20.0	20.5	18.4	19.0	18.9	19.5	20.1
12H	4H	17.4	18.3	17.9	18.8	19.2	17.0	17.8	17.4	18.3	18.8
	6H	18.3	19.0	18.8	19.5	20.0	17.8	18.6	18.4	19.0	19.6
	8H	18.7	19.3	19.2	19.8	20.4	18.3	18.9	18.8	19.4	19.9













(END OF REPORT)