

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: P1527031

Luminaire Tested: 22CGTX-35HE-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-35HE-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

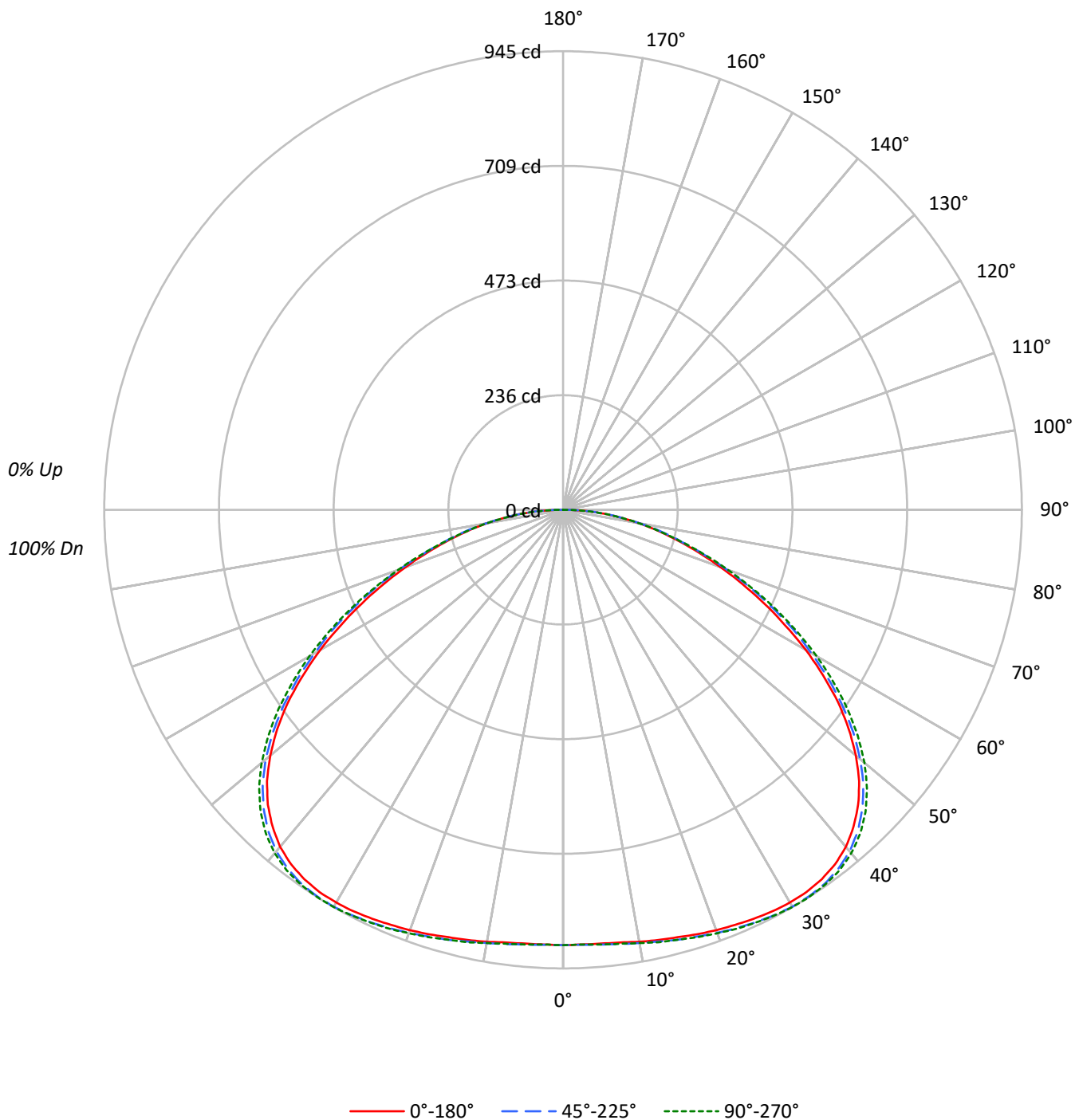
Lumens per Lamp: N/A
Luminaire Lumens: 3482.0 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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: P1527031

CATALOG NUMBER: 22CGTX-35HE-F125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1527031

CATALOG NUMBER: 22CGTX-35HE-F125-L830

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82		
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67		
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56		
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47		
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40		
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34		
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30		
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	26		
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	24		
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	34	27	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2414	2414	2414
5°	2423	2428	2428
10°	2469	2477	2477
15°	2540	2555	2555
20°	2639	2657	2659
25°	2760	2784	2786
30°	2903	2934	2936
35°	3052	3089	3096
40°	3184	3226	3245
45°	3272	3317	3353
50°	3295	3345	3393
55°	3246	3295	3355
60°	3110	3178	3246
65°	2915	3021	3072
70°	2711	2810	2842
75°	2543	2612	2612
80°	2458	2489	2469
85°	2387	2470	2387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3393 cd/sqm

TEST NUMBER: P1527031

CATALOG NUMBER: 22CGTX-35HE-F125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	2.5
10°-20°	259.9	7.5
20°-30°	433.2	12.4
30°-40°	586.9	16.9
40°-50°	669.4	19.2
50°-60°	625.7	18.0
60°-70°	467.3	13.4
70°-80°	266.8	7.7
80°-90°	86.6	2.5
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°	779.2	22.4
0°-40°	1366.1	39.2
0°-60°	2661.3	76.4
0°-90°	3482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	897	897	897	897	897	
5°	897	898	899	900	899	86
15°	912	914	917	918	917	259
25°	930	933	938	939	938	430
35°	929	934	940	943	942	581
45°	860	864	872	878	881	661
55°	692	694	702	710	715	615
65°	458	464	474	477	482	454
75°	245	249	251	252	251	261
85°	77	81	80	79	77	85
90°	0	0	0	0	0	

TEST NUMBER: P1527031

CATALOG NUMBER: 22CGTX-35HE-F125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.0	897.0	897.0	897.0	897.0
2.5°	896.4	897.0	897.0	898.4	896.4
5°	897.0	898.4	899.0	899.7	899.0
7.5°	899.0	901.0	902.4	903.0	901.7
10°	903.7	905.0	906.4	907.7	906.4
12.5°	907.7	909.7	911.0	913.0	912.4
15°	911.7	914.4	917.0	917.7	917.0
17.5°	917.0	919.0	921.7	923.0	923.0
20°	921.7	924.4	927.7	929.0	928.4
22.5°	925.7	929.0	933.0	935.0	934.4
25°	929.7	933.0	937.7	939.0	938.4
27.5°	933.0	937.0	941.7	943.7	942.3
30°	934.4	938.4	944.3	945.7	945.0
32.5°	933.7	937.7	943.7	945.7	945.0
35°	929.0	933.7	940.3	943.0	942.3
37.5°	920.4	925.0	931.7	935.0	935.7
40°	906.4	911.0	918.4	923.0	923.7
42.5°	885.7	890.4	898.4	903.7	905.7
45°	859.7	863.7	871.7	877.7	881.0
47.5°	827.1	830.4	839.1	845.7	849.0
50°	787.1	790.4	799.1	805.7	810.4
52.5°	741.8	744.4	753.1	761.1	765.1
55°	691.8	693.8	702.4	710.4	715.1
57.5°	635.1	641.1	647.8	655.1	660.4
60°	577.8	582.5	590.5	597.8	603.1
62.5°	516.5	525.2	534.5	538.5	543.2
65°	457.8	464.5	474.5	477.2	482.5
67.5°	399.9	407.2	415.9	417.9	421.2
70°	344.6	350.5	357.2	359.9	361.2
72.5°	292.6	297.2	301.9	303.9	303.9
75°	244.6	248.6	251.2	251.9	251.2
77.5°	201.3	201.9	207.9	203.9	203.3
80°	158.6	158.6	160.6	160.6	159.3
82.5°	117.3	120.0	119.3	118.6	116.6
85°	77.3	80.6	80.0	78.6	77.3
87.5°	38.0	42.0	40.0	42.0	38.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527031

CATALOG NUMBER: 22CGTX-35HE-F125-L830

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	16.5	18.2	16.9	18.5	18.8	16.7	18.4	17.0	18.7	19.0
	3H	18.2	19.7	18.6	20.1	20.4	18.4	19.9	18.8	20.3	20.6
	4H	18.8	20.3	19.2	20.6	21.0	19.0	20.5	19.4	20.8	21.2
	6H	19.4	20.7	19.8	21.1	21.5	19.5	20.9	20.0	21.3	21.7
	8H	19.6	20.9	20.0	21.2	21.6	19.7	21.0	20.1	21.4	21.8
	12H	19.7	21.0	20.1	21.3	21.8	19.9	21.1	20.3	21.5	21.9
4H	2H	17.1	18.6	17.5	18.9	19.3	17.3	18.7	17.7	19.1	19.5
	3H	19.1	20.3	19.5	20.7	21.1	19.2	20.5	19.6	20.9	21.2
	4H	19.8	20.9	20.3	21.4	21.8	20.0	21.1	20.4	21.5	22.0
	6H	20.5	21.5	21.0	21.9	22.4	20.6	21.6	21.1	22.1	22.5
	8H	20.8	21.7	21.2	22.1	22.6	20.9	21.8	21.3	22.2	22.7
	12H	21.0	21.8	21.4	22.3	22.7	21.1	21.9	21.6	22.4	22.9
8H	4H	20.2	21.1	20.6	21.5	22.0	20.3	21.2	20.8	21.7	22.1
	6H	21.0	21.7	21.5	22.2	22.7	21.1	21.9	21.6	22.4	22.8
	8H	21.3	22.0	21.8	22.5	23.0	21.4	22.1	21.9	22.6	23.1
	12H	21.6	22.2	22.1	22.7	23.3	21.7	22.3	22.2	22.8	23.4
12H	4H	20.2	21.0	20.7	21.5	22.0	20.4	21.2	20.8	21.7	22.1
	6H	21.1	21.8	21.6	22.2	22.8	21.2	21.9	21.7	22.3	22.9
	8H	21.5	22.1	22.0	22.6	23.1	21.6	22.2	22.1	22.7	23.2













(END OF REPORT)