

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: P1527027

Luminaire Tested: 22CGTX-35-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527027
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-35-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

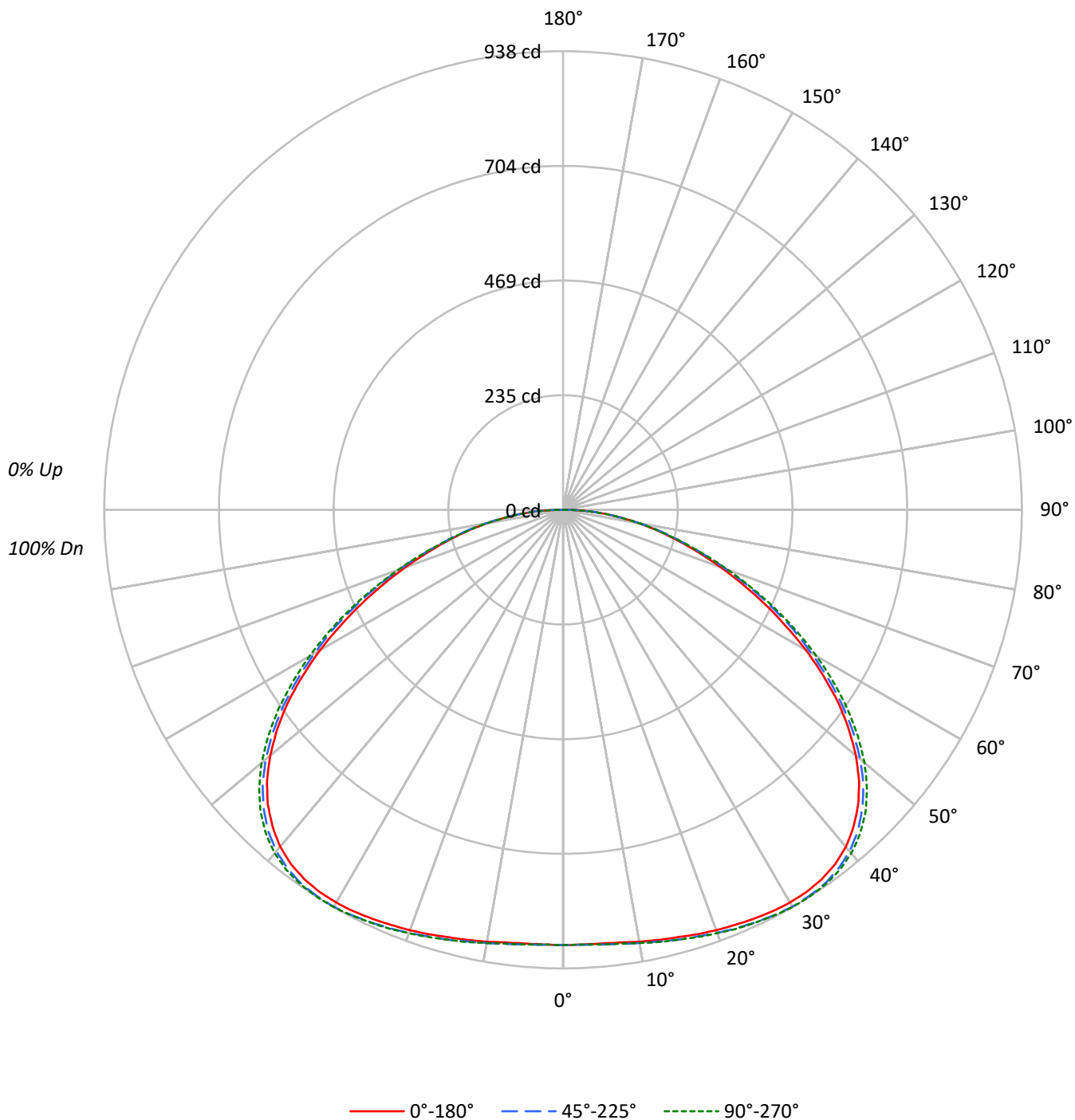
Lumens per Lamp: N/A
Luminaire Lumens: 3456.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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: P1527027

CATALOG NUMBER: 22CGTX-35-F125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1527027

CATALOG NUMBER: 22CGTX-35-F125-L830

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	0
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°	2396	2396	2396
5°	2405	2410	2410
10°	2451	2458	2458
15°	2521	2536	2536
20°	2620	2637	2639
25°	2740	2763	2765
30°	2882	2912	2915
35°	3029	3066	3073
40°	3160	3202	3221
45°	3247	3293	3328
50°	3270	3320	3367
55°	3221	3271	3330
60°	3087	3154	3222
65°	2893	2999	3049
70°	2691	2789	2821
75°	2524	2593	2593
80°	2439	2470	2450
85°	2368	2452	2368

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3367 cd/sqm

TEST NUMBER: P1527027

CATALOG NUMBER: 22CGTX-35-F125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	2.5
10°-20°	258.0	7.5
20°-30°	430.0	12.4
30°-40°	582.5	16.9
40°-50°	664.4	19.2
50°-60°	621.1	18.0
60°-70°	463.8	13.4
70°-80°	264.8	7.7
80°-90°	86.0	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°	773.4	22.4
0°-40°	1355.9	39.2
0°-60°	2641.4	76.4
0°-90°	3456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3456.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	890	892	892	893	892	85
15°	905	908	910	911	910	257
25°	923	926	931	932	931	427
35°	922	927	933	936	935	577
45°	853	857	865	871	874	656
55°	687	689	697	705	710	611
65°	454	461	471	474	479	451
75°	243	247	249	250	249	259
85°	77	80	79	78	77	84
90°	0	0	0	0	0	

TEST NUMBER: P1527027

CATALOG NUMBER: 22CGTX-35-F125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.3	890.3	890.3	890.3	890.3
2.5°	889.7	890.3	890.3	891.7	889.7
5°	890.3	891.7	892.3	893.0	892.3
7.5°	892.3	894.3	895.6	896.3	895.0
10°	896.9	898.3	899.6	900.9	899.6
12.5°	900.9	902.9	904.2	906.2	905.5
15°	904.9	907.5	910.2	910.8	910.2
17.5°	910.2	912.2	914.8	916.1	916.1
20°	914.8	917.5	920.8	922.1	921.4
22.5°	918.8	922.1	926.1	928.0	927.4
25°	922.7	926.1	930.7	932.0	931.3
27.5°	926.1	930.0	934.7	936.6	935.3
30°	927.4	931.3	937.3	938.6	938.0
32.5°	926.7	930.7	936.6	938.6	938.0
35°	922.1	926.7	933.3	936.0	935.3
37.5°	913.5	918.1	924.7	928.0	928.7
40°	899.6	904.2	911.5	916.1	916.8
42.5°	879.1	883.7	891.7	896.9	898.9
45°	853.3	857.3	865.2	871.2	874.5
47.5°	820.9	824.2	832.8	839.4	842.7
50°	781.2	784.5	793.1	799.7	804.3
52.5°	736.2	738.9	747.5	755.4	759.4
55°	686.6	688.6	697.2	705.1	709.8
57.5°	630.4	636.3	642.9	650.2	655.5
60°	573.5	578.1	586.1	593.3	598.6
62.5°	512.6	521.2	530.5	534.5	539.1
65°	454.4	461.0	471.0	473.6	478.9
67.5°	396.9	404.2	412.8	414.7	418.0
70°	342.0	347.9	354.5	357.2	358.5
72.5°	290.4	295.0	299.6	301.6	301.6
75°	242.8	246.7	249.4	250.0	249.4
77.5°	199.8	200.4	206.4	202.4	201.7
80°	157.4	157.4	159.4	159.4	158.1
82.5°	116.4	119.1	118.4	117.7	115.8
85°	76.7	80.0	79.4	78.1	76.7
87.5°	37.7	41.7	39.7	41.7	38.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527027

CATALOG NUMBER: 22CGTX-35-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	16.8	18.5	18.8	16.6	18.3	17.0	18.7	19.0
	3H	18.2	19.7	18.5	20.0	20.4	18.4	19.9	18.7	20.2	20.6
	4H	18.8	20.3	19.2	20.6	21.0	19.0	20.5	19.4	20.8	21.2
	6H	19.3	20.7	19.7	21.1	21.4	19.5	20.9	19.9	21.2	21.6
	8H	19.5	20.8	20.0	21.2	21.6	19.7	21.0	20.1	21.4	21.8
	12H	19.7	20.9	20.1	21.3	21.7	19.8	21.1	20.3	21.5	21.9
4H	2H	17.1	18.6	17.5	18.9	19.3	17.3	18.7	17.6	19.1	19.4
	3H	19.0	20.3	19.4	20.7	21.1	19.2	20.4	19.6	20.8	21.2
	4H	19.8	20.9	20.2	21.3	21.8	20.0	21.1	20.4	21.5	21.9
	6H	20.5	21.5	20.9	21.9	22.3	20.6	21.6	21.1	22.0	22.5
	8H	20.7	21.6	21.2	22.1	22.6	20.9	21.8	21.3	22.2	22.7
	12H	20.9	21.8	21.4	22.2	22.7	21.1	21.9	21.5	22.4	22.8
8H	4H	20.1	21.1	20.6	21.5	22.0	20.3	21.2	20.7	21.6	22.1
	6H	20.9	21.7	21.4	22.2	22.7	21.1	21.8	21.6	22.3	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	20.3	21.2	20.8	21.6	22.1
	6H	21.0	21.7	21.6	22.2	22.7	21.2	21.9	21.7	22.3	22.8
	8H	21.4	22.1	21.9	22.5	23.1	21.5	22.2	22.0	22.6	23.2













(END OF REPORT)