

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: P1527032

Luminaire Tested: 22CGTX-35HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527032
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

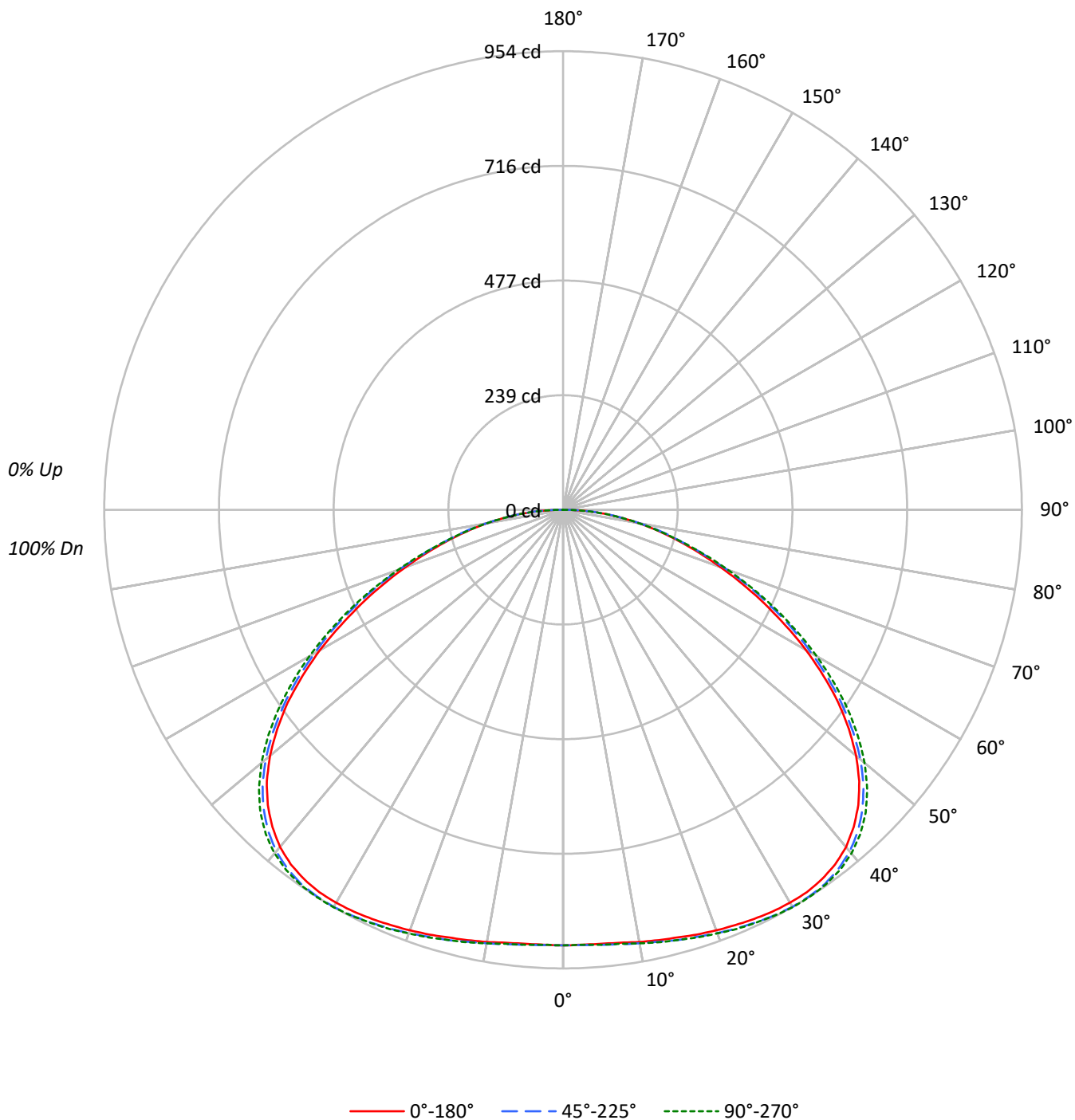
Lumens per Lamp: N/A
Luminaire Lumens: 3517.0 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	84	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	70	70	67
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	58	58	56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	49	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	42	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	37	37	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	32	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	28	28	26
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	25	25	24
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	34	27	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2438	2438	2438
5°	2447	2453	2453
10°	2494	2502	2502
15°	2565	2580	2580
20°	2666	2683	2685
25°	2788	2812	2814
30°	2932	2964	2966
35°	3082	3120	3127
40°	3216	3258	3277
45°	3304	3351	3387
50°	3328	3379	3427
55°	3278	3329	3389
60°	3141	3210	3279
65°	2944	3052	3103
70°	2738	2839	2870
75°	2568	2639	2639
80°	2483	2514	2493
85°	2411	2495	2411

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	2.5
10°-20°	262.6	7.5
20°-30°	437.6	12.4
30°-40°	592.8	16.9
40°-50°	676.1	19.2
50°-60°	632.0	18.0
60°-70°	472.0	13.4
70°-80°	269.5	7.7
80°-90°	87.5	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°	787.0	22.4
0°-40°	1379.8	39.2
0°-60°	2688.0	76.4
0°-90°	3517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3517.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	906	907	908	909	908	87
15°	921	924	926	927	926	261
25°	939	942	947	948	948	435
35°	938	943	950	952	952	587
45°	868	872	880	886	890	667
55°	699	701	710	718	722	621
65°	462	469	479	482	487	459
75°	247	251	254	254	254	264
85°	78	81	81	79	78	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	906.0	906.0	906.0	906.0	906.0
2.5°	905.4	906.0	906.0	907.4	905.4
5°	906.0	907.4	908.1	908.7	908.1
7.5°	908.1	910.1	911.4	912.1	910.7
10°	912.8	914.1	915.5	916.8	915.5
12.5°	916.8	918.8	920.2	922.2	921.5
15°	920.8	923.5	926.2	926.9	926.2
17.5°	926.2	928.3	930.9	932.3	932.3
20°	930.9	933.6	937.0	938.3	937.7
22.5°	935.0	938.3	942.4	944.4	943.7
25°	939.0	942.4	947.1	948.4	947.8
27.5°	942.4	946.4	951.1	953.2	951.8
30°	943.7	947.8	953.8	955.2	954.5
32.5°	943.1	947.1	953.2	955.2	954.5
35°	938.3	943.1	949.8	952.5	951.8
37.5°	929.6	934.3	941.0	944.4	945.1
40°	915.5	920.2	927.6	932.3	933.0
42.5°	894.6	899.3	907.4	912.8	914.8
45°	868.3	872.4	880.5	886.5	889.9
47.5°	835.4	838.7	847.5	854.2	857.6
50°	795.0	798.3	807.1	813.8	818.5
52.5°	749.2	751.9	760.6	768.7	772.8
55°	698.7	700.7	709.5	717.6	722.3
57.5°	641.5	647.6	654.3	661.7	667.1
60°	583.6	588.3	596.4	603.8	609.2
62.5°	521.7	530.4	539.9	543.9	548.6
65°	462.4	469.2	479.3	482.0	487.3
67.5°	403.9	411.3	420.0	422.1	425.4
70°	348.0	354.1	360.8	363.5	364.8
72.5°	295.5	300.2	304.9	306.9	306.9
75°	247.0	251.1	253.8	254.4	253.8
77.5°	203.3	204.0	210.0	206.0	205.3
80°	160.2	160.2	162.2	162.2	160.9
82.5°	118.5	121.2	120.5	119.8	117.8
85°	78.1	81.4	80.8	79.4	78.1
87.5°	38.4	42.4	40.4	42.4	39.0
90°	0.0	0.0	0.0	0.0	0.0

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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	16.5	18.2	16.9	18.6	18.9	16.7	18.4	17.1	18.7	19.0
	3H	18.2	19.8	18.6	20.1	20.5	18.4	20.0	18.8	20.3	20.7
	4H	18.9	20.3	19.3	20.7	21.0	19.1	20.5	19.5	20.9	21.3
	6H	19.4	20.8	19.8	21.1	21.5	19.6	20.9	20.0	21.3	21.7
	8H	19.6	20.9	20.0	21.3	21.7	19.8	21.1	20.2	21.4	21.8
	12H	19.7	21.0	20.2	21.4	21.8	19.9	21.2	20.3	21.5	22.0
4H	2H	17.2	18.6	17.6	19.0	19.4	17.3	18.8	17.7	19.1	19.5
	3H	19.1	20.3	19.5	20.7	21.1	19.3	20.5	19.7	20.9	21.3
	4H	19.9	21.0	20.3	21.4	21.8	20.0	21.1	20.5	21.6	22.0
	6H	20.5	21.5	21.0	22.0	22.4	20.7	21.7	21.1	22.1	22.6
	8H	20.8	21.7	21.2	22.1	22.6	20.9	21.8	21.4	22.3	22.7
	12H	21.0	21.8	21.5	22.3	22.8	21.1	22.0	21.6	22.4	22.9
8H	4H	20.2	21.1	20.7	21.6	22.0	20.4	21.3	20.8	21.7	22.2
	6H	21.0	21.8	21.5	22.3	22.7	21.1	21.9	21.6	22.4	22.9
	8H	21.4	22.0	21.9	22.6	23.0	21.5	22.2	22.0	22.7	23.1
	12H	21.7	22.3	22.2	22.8	23.3	21.8	22.4	22.3	22.9	23.4
12H	4H	20.3	21.1	20.7	21.6	22.0	20.4	21.2	20.9	21.7	22.2
	6H	21.1	21.8	21.6	22.3	22.8	21.2	21.9	21.7	22.4	22.9
	8H	21.5	22.1	22.0	22.6	23.2	21.6	22.2	22.1	22.7	23.3















(END OF REPORT)