

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: P1527035

Luminaire Tested: 22CGTX-35HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527035
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

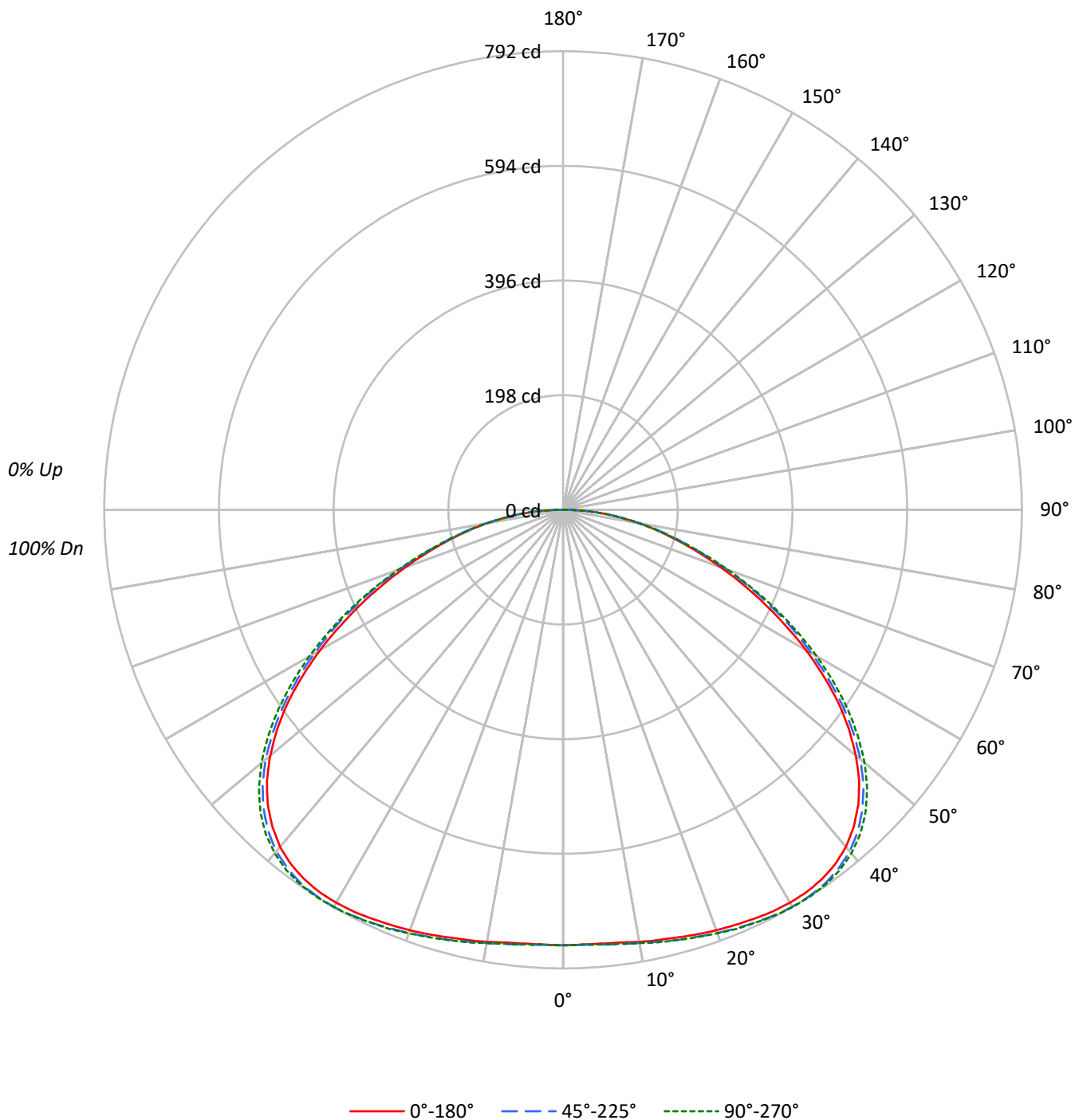
Lumens per Lamp: N/A
Luminaire Lumens: 2919.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	108	103	98	94	105	101	97	93		96	93	90			92	90	87			89
2	98	89	82	76	95	87	80	75		83	78	73			80	75	71			77
3	89	77	69	62	86	76	68	61		73	66	60			70	64	59			67
4	81	68	59	52	78	67	58	51		64	57	51			62	55	50			59
5	74	60	51	44	72	59	50	44		57	49	43			55	48	43			53
6	68	54	45	38	66	53	44	38		51	43	37			49	42	37			48
7	63	49	39	33	61	48	39	33		46	38	33			45	38	32			43
8	58	44	35	29	57	43	35	29		42	34	29			41	34	29			39
9	54	40	32	26	53	40	31	26		38	31	26			37	30	26			36
10	51	37	29	23	49	36	29	23		35	28	23			34	28	23			34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2024	2024	2024
5°	2031	2036	2036
10°	2070	2076	2076
15°	2129	2142	2142
20°	2213	2227	2229
25°	2314	2334	2336
30°	2434	2460	2462
35°	2558	2590	2595
40°	2669	2705	2720
45°	2743	2781	2811
50°	2762	2804	2844
55°	2721	2763	2813
60°	2607	2664	2721
65°	2444	2533	2576
70°	2272	2356	2382
75°	2131	2190	2190
80°	2061	2086	2069
85°	2001	2069	2001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	2.5
10°-20°	217.9	7.5
20°-30°	363.2	12.4
30°-40°	492.0	16.9
40°-50°	561.2	19.2
50°-60°	524.6	18.0
60°-70°	391.8	13.4
70°-80°	223.7	7.7
80°-90°	72.6	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°	653.2	22.4
0°-40°	1145.2	39.2
0°-60°	2231.0	76.4
0°-90°	2919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2919.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	752	753	754	754	754	72
15°	764	766	769	769	769	217
25°	779	782	786	787	787	361
35°	779	783	788	790	790	487
45°	721	724	731	736	739	554
55°	580	582	589	596	600	516
65°	384	389	398	400	404	381
75°	205	208	211	211	211	219
85°	65	68	67	66	65	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.0	752.0	752.0	752.0	752.0
2.5°	751.4	752.0	752.0	753.1	751.4
5°	752.0	753.1	753.7	754.2	753.7
7.5°	753.7	755.3	756.5	757.0	755.9
10°	757.6	758.7	759.8	760.9	759.8
12.5°	760.9	762.6	763.7	765.4	764.8
15°	764.3	766.5	768.8	769.3	768.8
17.5°	768.8	770.4	772.7	773.8	773.8
20°	772.7	774.9	777.7	778.8	778.2
22.5°	776.0	778.8	782.2	783.8	783.3
25°	779.4	782.2	786.1	787.2	786.6
27.5°	782.2	785.5	789.4	791.1	790.0
30°	783.3	786.6	791.7	792.8	792.2
32.5°	782.7	786.1	791.1	792.8	792.2
35°	778.8	782.7	788.3	790.5	790.0
37.5°	771.5	775.5	781.0	783.8	784.4
40°	759.8	763.7	769.9	773.8	774.3
42.5°	742.5	746.4	753.1	757.6	759.3
45°	720.7	724.1	730.8	735.8	738.6
47.5°	693.3	696.1	703.4	709.0	711.8
50°	659.8	662.6	669.9	675.5	679.4
52.5°	621.8	624.1	631.3	638.0	641.4
55°	579.9	581.6	588.9	595.6	599.5
57.5°	532.4	537.5	543.0	549.2	553.7
60°	484.4	488.3	495.0	501.1	505.6
62.5°	433.0	440.2	448.1	451.4	455.3
65°	383.8	389.4	397.8	400.0	404.5
67.5°	335.2	341.4	348.6	350.3	353.1
70°	288.8	293.9	299.5	301.7	302.8
72.5°	245.3	249.2	253.1	254.8	254.8
75°	205.0	208.4	210.6	211.2	210.6
77.5°	168.7	169.3	174.3	171.0	170.4
80°	133.0	133.0	134.6	134.6	133.5
82.5°	98.3	100.6	100.0	99.4	97.8
85°	64.8	67.6	67.0	65.9	64.8
87.5°	31.8	35.2	33.5	35.2	32.4
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	15.9	17.6	16.2	17.9	18.2	16.1	17.8	16.4	18.1	18.4
	3H	17.6	19.1	17.9	19.4	19.8	17.8	19.3	18.2	19.7	20.0
	4H	18.2	19.7	18.6	20.0	20.4	18.4	19.9	18.8	20.2	20.6
	6H	18.7	20.1	19.2	20.5	20.9	18.9	20.3	19.3	20.7	21.0
	8H	18.9	20.2	19.4	20.6	21.0	19.1	20.4	19.5	20.8	21.2
	12H	19.1	20.3	19.5	20.7	21.2	19.3	20.5	19.7	20.9	21.3
4H	2H	16.5	18.0	16.9	18.3	18.7	16.7	18.1	17.1	18.5	18.8
	3H	18.4	19.7	18.8	20.1	20.5	18.6	19.8	19.0	20.2	20.6
	4H	19.2	20.3	19.7	20.7	21.2	19.4	20.5	19.8	20.9	21.3
	6H	19.9	20.9	20.3	21.3	21.8	20.0	21.0	20.5	21.5	21.9
	8H	20.1	21.1	20.6	21.5	22.0	20.3	21.2	20.7	21.6	22.1
	12H	20.4	21.2	20.8	21.7	22.1	20.5	21.3	21.0	21.8	22.2
8H	4H	19.6	20.5	20.0	20.9	21.4	19.7	20.6	20.2	21.1	21.5
	6H	20.4	21.1	20.9	21.6	22.1	20.5	21.3	21.0	21.7	22.2
	8H	20.7	21.4	21.2	21.9	22.4	20.8	21.5	21.3	22.0	22.5
	12H	21.0	21.6	21.5	22.1	22.7	21.1	21.7	21.6	22.2	22.8
12H	4H	19.6	20.4	20.1	20.9	21.4	19.7	20.6	20.2	21.0	21.5
	6H	20.5	21.1	21.0	21.6	22.1	20.6	21.3	21.1	21.7	22.3
	8H	20.9	21.5	21.4	22.0	22.5	21.0	21.6	21.5	22.1	22.6













(END OF REPORT)