

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: P1527036

Luminaire Tested: 22CGTX-35HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527036
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-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

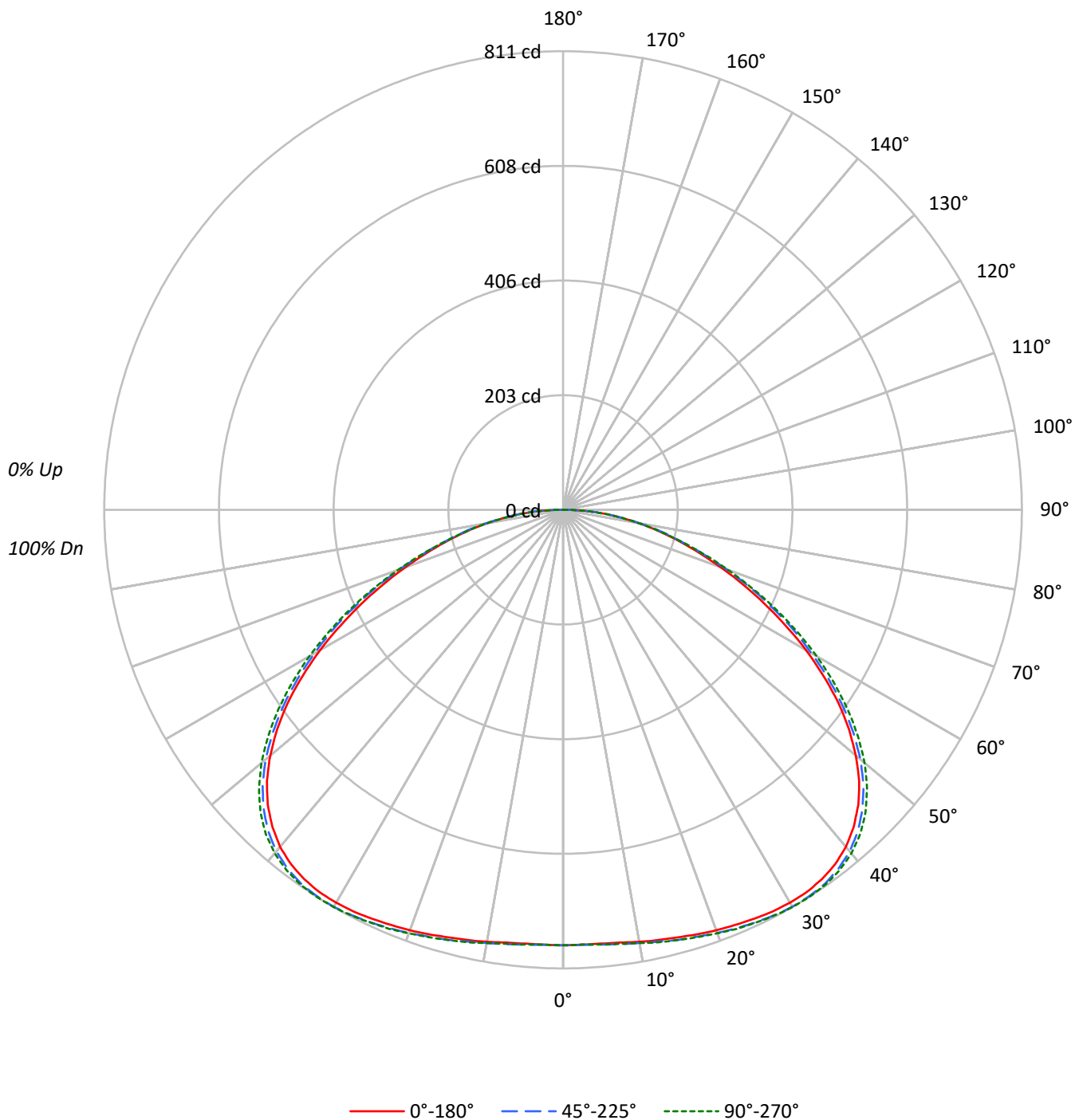
Lumens per Lamp: N/A
Luminaire Lumens: 2989.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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°	2072	2072	2072
5°	2080	2085	2085
10°	2120	2126	2126
15°	2180	2193	2193
20°	2266	2280	2282
25°	2370	2390	2392
30°	2492	2519	2521
35°	2620	2652	2657
40°	2733	2769	2785
45°	2809	2848	2878
50°	2828	2871	2912
55°	2786	2829	2880
60°	2669	2728	2786
65°	2502	2593	2637
70°	2327	2412	2440
75°	2183	2243	2243
80°	2111	2137	2118
85°	2050	2121	2050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 2912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	2.5
10°-20°	223.1	7.5
20°-30°	371.9	12.4
30°-40°	503.8	16.9
40°-50°	574.6	19.2
50°-60°	537.1	18.0
60°-70°	401.1	13.4
70°-80°	229.0	7.7
80°-90°	74.3	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°	668.9	22.4
0°-40°	1172.7	39.2
0°-60°	2284.5	76.4
0°-90°	2989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	770	771	772	772	772	74
15°	783	785	787	788	787	222
25°	798	801	805	806	806	369
35°	798	802	807	810	809	499
45°	738	741	748	753	756	567
55°	594	596	603	610	614	528
65°	393	399	407	410	414	390
75°	210	213	216	216	216	224
85°	66	69	69	68	66	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770.0	770.0	770.0	770.0	770.0
2.5°	769.5	770.0	770.0	771.2	769.5
5°	770.0	771.2	771.7	772.3	771.7
7.5°	771.7	773.5	774.6	775.2	774.0
10°	775.7	776.9	778.0	779.2	778.0
12.5°	779.2	780.9	782.0	783.8	783.2
15°	782.6	784.9	787.2	787.8	787.2
17.5°	787.2	788.9	791.2	792.3	792.3
20°	791.2	793.5	796.3	797.5	796.9
22.5°	794.6	797.5	800.9	802.6	802.1
25°	798.1	800.9	804.9	806.1	805.5
27.5°	800.9	804.3	808.4	810.1	808.9
30°	802.1	805.5	810.6	811.8	811.2
32.5°	801.5	804.9	810.1	811.8	811.2
35°	797.5	801.5	807.2	809.5	808.9
37.5°	790.0	794.1	799.8	802.6	803.2
40°	778.0	782.0	788.3	792.3	792.9
42.5°	760.3	764.3	771.2	775.7	777.5
45°	738.0	741.4	748.3	753.4	756.3
47.5°	710.0	712.8	720.3	726.0	728.8
50°	675.6	678.5	685.9	691.6	695.7
52.5°	636.7	639.0	646.5	653.3	656.8
55°	593.8	595.5	603.0	609.8	613.8
57.5°	545.2	550.3	556.1	562.4	566.9
60°	496.0	500.0	506.9	513.2	517.7
62.5°	443.4	450.8	458.8	462.2	466.2
65°	393.0	398.7	407.3	409.6	414.2
67.5°	343.3	349.5	357.0	358.7	361.6
70°	295.8	300.9	306.6	308.9	310.1
72.5°	251.1	255.1	259.2	260.9	260.9
75°	210.0	213.4	215.7	216.2	215.7
77.5°	172.8	173.3	178.5	175.1	174.5
80°	136.2	136.2	137.9	137.9	136.7
82.5°	100.7	103.0	102.4	101.8	100.1
85°	66.4	69.2	68.7	67.5	66.4
87.5°	32.6	36.0	34.3	36.0	33.2
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	16.0	17.7	16.3	18.0	18.3	16.1	17.8	16.5	18.2	18.5
	3H	17.7	19.2	18.0	19.5	19.9	17.9	19.4	18.2	19.7	20.1
	4H	18.3	19.8	18.7	20.1	20.5	18.5	20.0	18.9	20.3	20.7
	6H	18.8	20.2	19.2	20.5	20.9	19.0	20.4	19.4	20.7	21.1
	8H	19.0	20.3	19.4	20.7	21.1	19.2	20.5	19.6	20.9	21.3
	12H	19.2	20.4	19.6	20.8	21.2	19.3	20.6	19.8	21.0	21.4
4H	2H	16.6	18.1	17.0	18.4	18.8	16.7	18.2	17.1	18.6	18.9
	3H	18.5	19.8	18.9	20.1	20.5	18.7	19.9	19.1	20.3	20.7
	4H	19.3	20.4	19.7	20.8	21.3	19.5	20.6	19.9	21.0	21.4
	6H	20.0	20.9	20.4	21.4	21.8	20.1	21.1	20.6	21.5	22.0
	8H	20.2	21.1	20.7	21.6	22.0	20.4	21.3	20.8	21.7	22.2
	12H	20.4	21.3	20.9	21.7	22.2	20.6	21.4	21.0	21.9	22.3
8H	4H	19.6	20.6	20.1	21.0	21.5	19.8	20.7	20.2	21.1	21.6
	6H	20.4	21.2	20.9	21.7	22.2	20.6	21.3	21.1	21.8	22.3
	8H	20.8	21.5	21.3	22.0	22.5	20.9	21.6	21.4	22.1	22.6
	12H	21.1	21.7	21.6	22.2	22.8	21.2	21.8	21.7	22.3	22.9
12H	4H	19.7	20.5	20.2	21.0	21.5	19.8	20.7	20.3	21.1	21.6
	6H	20.5	21.2	21.1	21.7	22.2	20.7	21.4	21.2	21.8	22.3
	8H	20.9	21.5	21.4	22.0	22.6	21.0	21.7	21.5	22.1	22.7













(END OF REPORT)