

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: P1526884

Luminaire Tested: 24CGTX-35HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-35HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

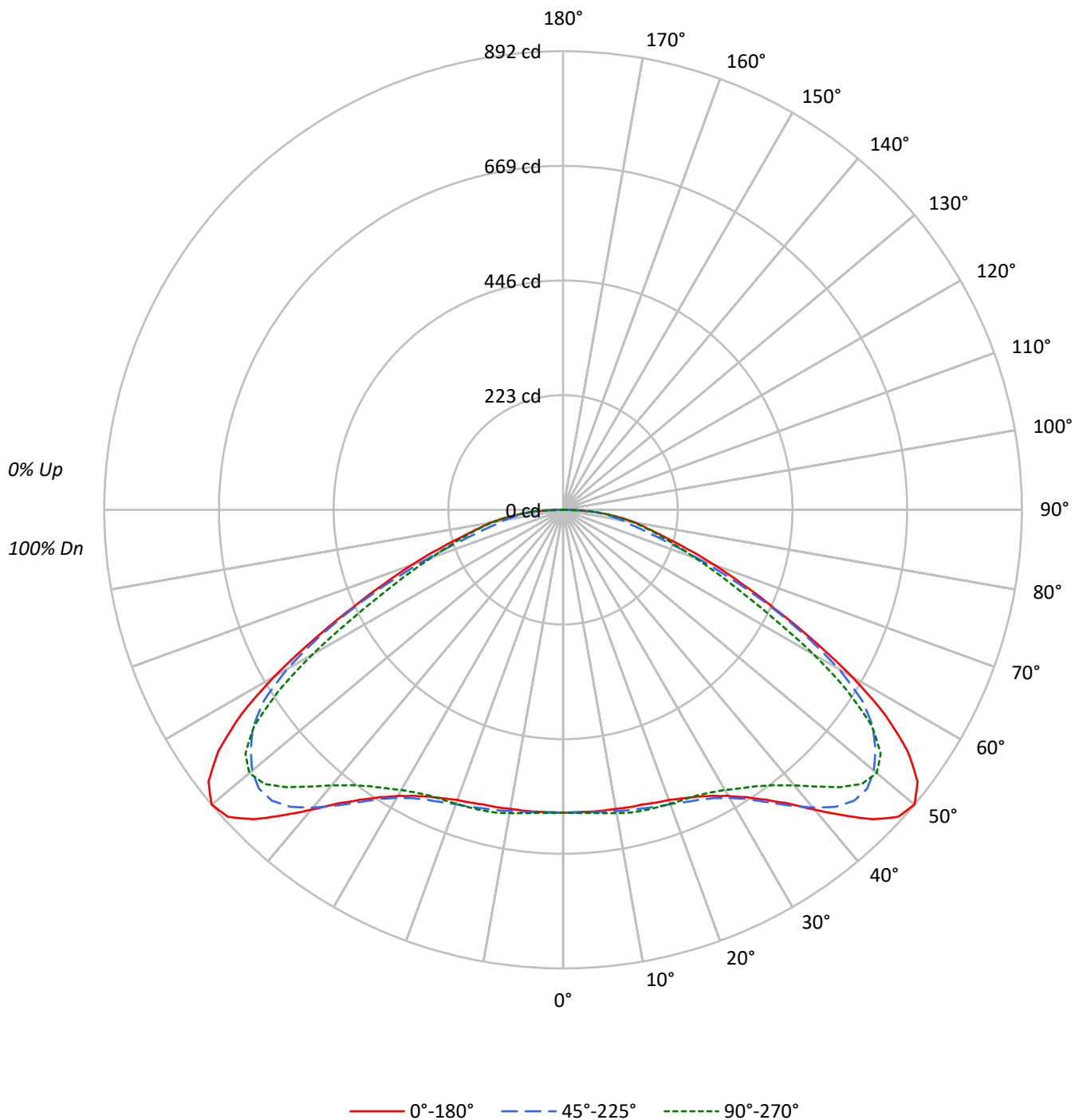
Lumens per Lamp: N/A
Luminaire Lumens: 2939.9 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
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			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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	792	792	792
5°	796	798	799
10°	807	813	819
15°	827	837	843
20°	860	872	871
25°	914	924	911
30°	998	1005	977
35°	1130	1140	1078
40°	1337	1328	1228
45°	1619	1523	1451
50°	1867	1652	1666
55°	1919	1725	1719
60°	1744	1667	1514
65°	1442	1416	1235
70°	1231	1109	1073
75°	1066	884	1016
80°	1104	895	1068
85°	1116	1076	1187

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 1920 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.9
10°-20°	170.5	5.8
20°-30°	287.9	9.8
30°-40°	433.4	14.7
40°-50°	616.3	21.0
50°-60°	661.4	22.5
60°-70°	431.1	14.7
70°-80°	207.2	7.0
80°-90°	75.4	2.6
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°	514.9	17.5
0°-40°	948.3	32.3
0°-60°	2226.1	75.7
0°-90°	2939.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2939.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	589	589	589	589	589	
5°	589	590	590	592	592	56
15°	594	597	601	605	605	169
25°	615	621	622	617	613	287
35°	688	701	694	671	656	437
45°	851	830	800	779	762	653
55°	818	797	736	714	733	716
65°	453	450	445	397	388	458
75°	205	194	170	193	196	225
85°	72	68	70	72	77	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	588.9	588.9	588.9	588.9	588.9
2.5°	588.4	588.9	589.4	590.0	590.0
5°	589.4	590.0	590.5	592.5	591.5
7.5°	590.0	590.5	592.0	595.0	595.0
10°	590.5	592.0	595.0	598.1	599.1
12.5°	592.5	594.0	598.1	602.2	603.2
15°	593.5	596.6	601.2	604.7	605.2
17.5°	597.1	600.1	605.2	606.8	606.8
20°	600.6	604.7	609.3	609.3	608.3
22.5°	607.3	611.8	615.4	612.4	610.3
25°	615.4	621.0	622.5	616.9	613.4
27.5°	627.1	634.2	632.2	624.6	620.0
30°	642.4	651.5	647.0	635.8	629.1
32.5°	662.7	673.9	666.3	652.1	641.9
35°	688.2	701.4	694.3	670.9	656.1
37.5°	719.8	733.5	724.8	694.8	675.0
40°	761.0	768.1	755.9	723.3	699.4
42.5°	805.8	802.2	783.4	753.3	729.9
45°	851.1	830.2	800.2	779.3	762.5
47.5°	883.7	845.0	802.2	791.5	788.5
50°	891.8	841.9	789.0	784.9	796.1
52.5°	868.9	825.6	765.1	757.9	778.3
55°	818.0	797.1	735.5	714.2	733.0
57.5°	743.2	741.6	688.7	650.5	655.6
60°	648.0	654.1	619.5	565.5	562.5
62.5°	545.2	548.7	533.5	477.5	466.8
65°	453.0	449.5	444.9	397.0	387.9
67.5°	377.2	366.5	359.4	330.4	325.8
70°	313.0	296.2	282.0	277.4	272.8
72.5°	253.5	241.3	218.4	231.1	230.6
75°	205.1	193.9	170.0	193.4	195.5
77.5°	168.0	160.3	137.4	158.8	165.4
80°	142.5	126.7	115.5	129.3	137.9
82.5°	108.9	96.7	94.2	99.8	107.9
85°	72.3	67.7	69.7	71.8	76.9
87.5°	36.6	39.2	42.2	45.8	48.4
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	15.6	17.4	16.0	17.7	18.0	14.7	16.5	15.0	16.8	17.1
	3H	16.7	18.3	17.1	18.6	19.0	15.8	17.4	16.2	17.8	18.1
	4H	17.1	18.6	17.5	19.0	19.3	16.3	17.8	16.7	18.1	18.5
	6H	17.4	18.9	17.8	19.2	19.6	16.7	18.1	17.1	18.5	18.9
	8H	17.6	19.0	18.0	19.3	19.7	16.9	18.3	17.3	18.7	19.1
	12H	17.7	19.0	18.2	19.4	19.8	17.1	18.4	17.5	18.8	19.2
4H	2H	16.0	17.5	16.4	17.9	18.2	15.2	16.8	15.6	17.1	17.5
	3H	17.3	18.6	17.7	19.0	19.4	16.6	17.8	17.0	18.2	18.6
	4H	17.8	18.9	18.2	19.4	19.8	17.1	18.3	17.6	18.7	19.1
	6H	18.3	19.3	18.7	19.7	20.2	17.7	18.7	18.2	19.2	19.6
	8H	18.5	19.4	18.9	19.9	20.3	18.0	18.9	18.4	19.4	19.8
	12H	18.7	19.6	19.2	20.0	20.5	18.2	19.1	18.7	19.6	20.0
8H	4H	17.9	18.9	18.4	19.3	19.8	17.3	18.3	17.8	18.7	19.2
	6H	18.5	19.3	19.0	19.8	20.3	18.1	18.9	18.5	19.3	19.8
	8H	18.8	19.6	19.3	20.1	20.5	18.4	19.1	18.9	19.6	20.1
	12H	19.1	19.8	19.6	20.3	20.8	18.8	19.4	19.3	19.9	20.4
12H	4H	18.0	18.8	18.4	19.3	19.8	17.4	18.2	17.9	18.7	19.2
	6H	18.6	19.3	19.1	19.8	20.3	18.1	18.9	18.6	19.3	19.8
	8H	18.9	19.6	19.4	20.1	20.6	18.5	19.2	19.0	19.7	20.2













(END OF REPORT)