

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: P1526882

Luminaire Tested: 24CGTX-35HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526882
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

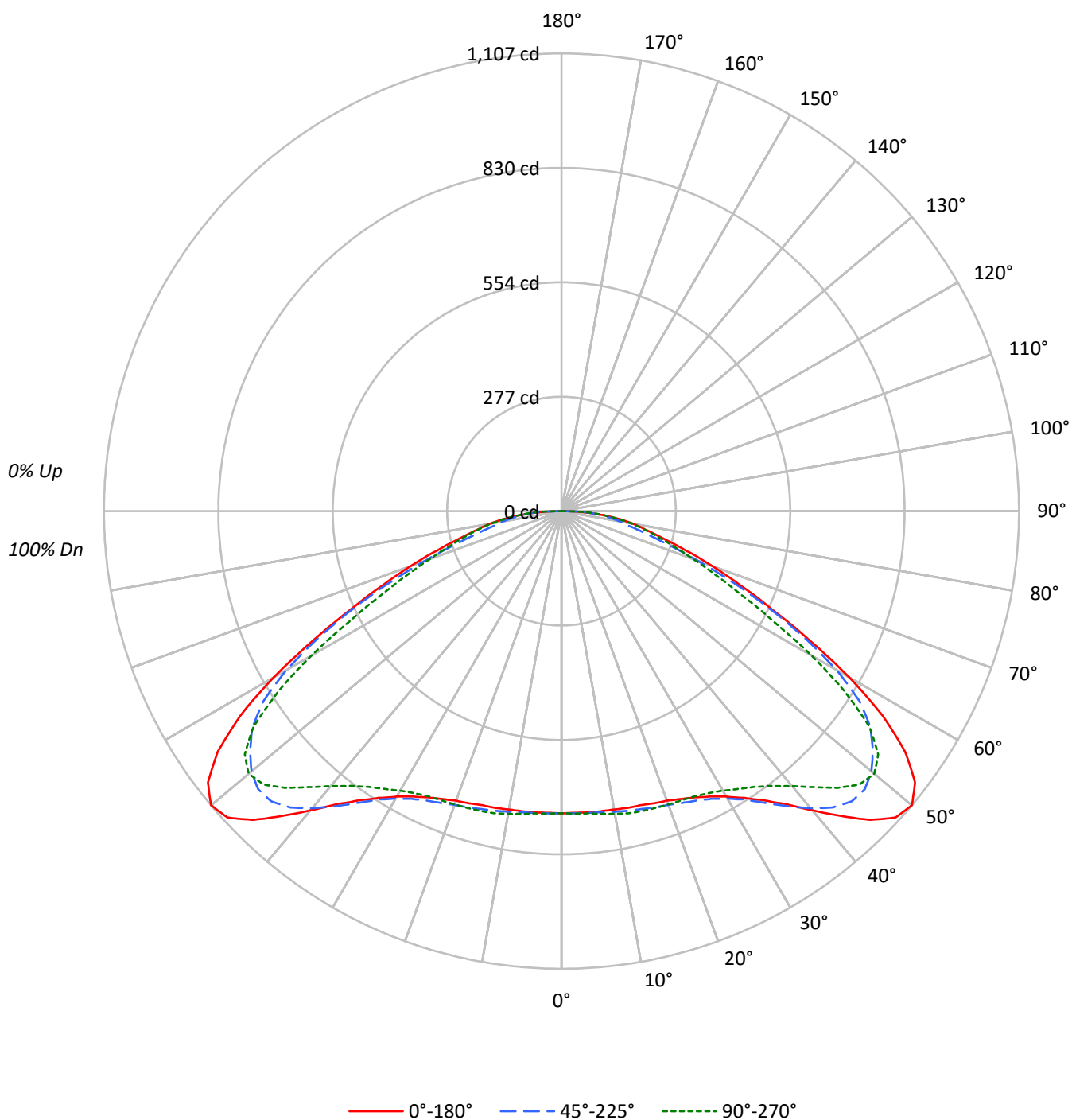
Lumens per Lamp: N/A
Luminaire Lumens: 3648.3 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1526882

CATALOG NUMBER: 24CGTX-35HE-A125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1526882

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	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°	983	983	983
5°	988	990	991
10°	1001	1009	1016
15°	1026	1039	1046
20°	1067	1083	1081
25°	1134	1147	1130
30°	1239	1247	1213
35°	1403	1415	1337
40°	1659	1648	1524
45°	2010	1889	1800
50°	2317	2049	2068
55°	2381	2141	2134
60°	2164	2069	1878
65°	1790	1758	1532
70°	1528	1376	1332
75°	1324	1097	1261
80°	1371	1111	1327
85°	1385	1335	1473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2383 cd/sqm

TEST NUMBER: P1526882

CATALOG NUMBER: 24CGTX-35HE-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.9
10°-20°	211.5	5.8
20°-30°	357.3	9.8
30°-40°	537.9	14.7
40°-50°	764.8	21.0
50°-60°	820.8	22.5
60°-70°	534.9	14.7
70°-80°	257.2	7.1
80°-90°	93.6	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°	639.0	17.5
0°-40°	1176.8	32.3
0°-60°	2762.5	75.7
0°-90°	3648.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3648.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	731	731	731	731	731	
5°	732	732	733	735	734	70
15°	736	740	746	750	751	209
25°	764	771	772	766	761	356
35°	854	870	862	832	814	542
45°	1056	1030	993	967	946	811
55°	1015	989	913	886	910	888
65°	562	558	552	493	481	569
75°	255	241	211	240	243	280
85°	90	84	86	89	95	98
90°	0	0	0	0	0	

TEST NUMBER: P1526882

CATALOG NUMBER: 24CGTX-35HE-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	730.8	730.8	730.8	730.8	730.8
2.5°	730.2	730.8	731.5	732.1	732.1
5°	731.5	732.1	732.7	735.3	734.0
7.5°	732.1	732.7	734.6	738.4	738.4
10°	732.7	734.6	738.4	742.2	743.5
12.5°	735.3	737.2	742.2	747.3	748.5
15°	736.5	740.3	746.0	750.4	751.1
17.5°	741.0	744.7	751.1	753.0	753.0
20°	745.4	750.4	756.1	756.1	754.9
22.5°	753.6	759.3	763.7	759.9	757.4
25°	763.7	770.6	772.5	765.6	761.2
27.5°	778.2	787.1	784.5	775.1	769.4
30°	797.2	808.5	802.9	789.0	780.7
32.5°	822.4	836.3	826.9	809.2	796.5
35°	854.0	870.4	861.6	832.5	814.2
37.5°	893.2	910.2	899.5	862.2	837.6
40°	944.4	953.2	938.0	897.6	867.9
42.5°	999.9	995.5	972.1	934.9	905.8
45°	1056.2	1030.3	993.0	967.1	946.2
47.5°	1096.6	1048.6	995.5	982.3	978.5
50°	1106.7	1044.8	979.1	974.0	987.9
52.5°	1078.3	1024.6	949.4	940.6	965.8
55°	1015.1	989.2	912.8	886.2	909.6
57.5°	922.2	920.3	854.7	807.3	813.6
60°	804.1	811.7	768.7	701.8	698.0
62.5°	676.5	680.9	662.0	592.5	579.2
65°	562.2	557.8	552.1	492.7	481.3
67.5°	468.1	454.8	446.0	410.0	404.3
70°	388.5	367.6	349.9	344.3	338.6
72.5°	314.6	299.4	271.0	286.8	286.1
75°	254.6	240.7	211.0	240.0	242.6
77.5°	208.5	199.0	170.6	197.1	205.3
80°	176.9	157.3	143.4	160.4	171.2
82.5°	135.2	120.0	116.9	123.8	133.9
85°	89.7	84.0	86.5	89.1	95.4
87.5°	45.5	48.6	52.4	56.9	60.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526882

CATALOG NUMBER: 24CGTX-35HE-A125-L840

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	16.3	18.1	16.7	18.4	18.7	15.4	17.2	15.8	17.5	17.8
	3H	17.4	19.1	17.8	19.4	19.7	16.6	18.2	16.9	18.5	18.9
	4H	17.8	19.4	18.2	19.7	20.1	17.0	18.6	17.4	18.9	19.3
	6H	18.2	19.6	18.6	20.0	20.4	17.5	18.9	17.9	19.2	19.6
	8H	18.3	19.7	18.8	20.1	20.5	17.7	19.0	18.1	19.4	19.8
	12H	18.5	19.8	18.9	20.2	20.6	17.8	19.1	18.3	19.5	19.9
4H	2H	16.7	18.3	17.1	18.6	19.0	16.0	17.5	16.4	17.9	18.2
	3H	18.0	19.3	18.4	19.7	20.1	17.3	18.6	17.7	19.0	19.4
	4H	18.5	19.7	19.0	20.1	20.5	17.9	19.1	18.3	19.5	19.9
	6H	19.0	20.0	19.5	20.5	20.9	18.5	19.5	18.9	19.9	20.4
	8H	19.2	20.2	19.7	20.6	21.1	18.7	19.7	19.2	20.1	20.6
	12H	19.4	20.3	19.9	20.8	21.2	19.0	19.8	19.5	20.3	20.8
8H	4H	18.7	19.6	19.1	20.1	20.5	18.1	19.1	18.6	19.5	20.0
	6H	19.3	20.1	19.8	20.6	21.0	18.8	19.6	19.3	20.1	20.6
	8H	19.6	20.3	20.1	20.8	21.3	19.2	19.9	19.7	20.4	20.9
	12H	19.9	20.5	20.4	21.0	21.6	19.5	20.2	20.0	20.6	21.2
12H	4H	18.7	19.6	19.2	20.1	20.5	18.1	19.0	18.6	19.5	19.9
	6H	19.4	20.1	19.9	20.5	21.1	18.9	19.6	19.4	20.1	20.6
	8H	19.7	20.3	20.2	20.8	21.4	19.3	19.9	19.8	20.4	21.0















(END OF REPORT)