

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: P1527332

Luminaire Tested: 24CGSB-35-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527332
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: 24CGSB-35-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

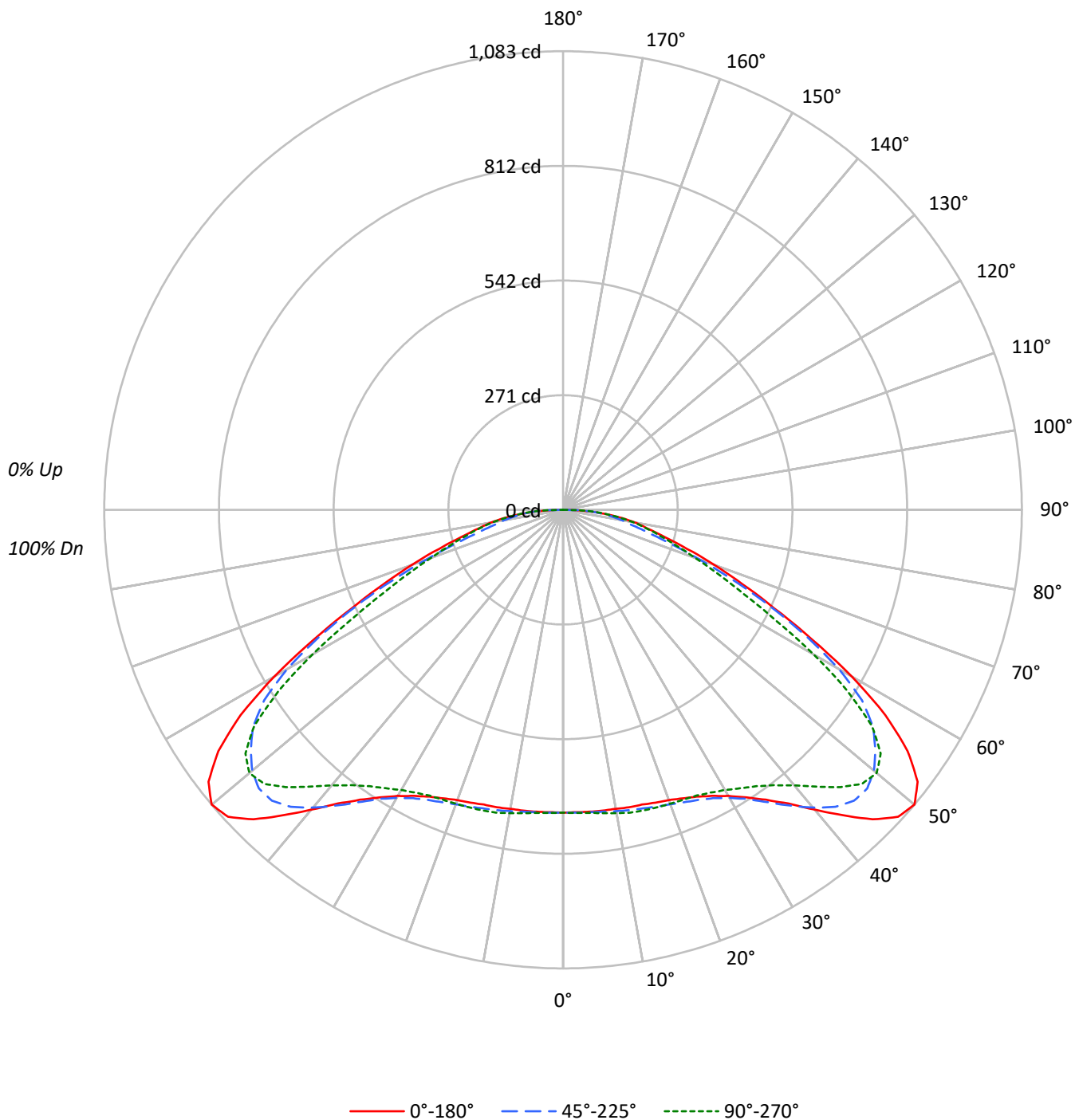
Lumens per Lamp: N/A
Luminaire Lumens: 3569.6 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
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: P1527332

CATALOG NUMBER: 24CGSB-35-A125-L840

Luminous Intensity Polar Plot





TEST NUMBER: P1527332

CATALOG NUMBER: 24CGSB-35-A125-L840

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	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°	962	962	962
5°	967	968	970
10°	979	987	994
15°	1004	1017	1024
20°	1044	1059	1058
25°	1109	1122	1106
30°	1212	1220	1187
35°	1373	1385	1309
40°	1623	1612	1492
45°	1966	1849	1762
50°	2267	2005	2023
55°	2330	2095	2088
60°	2117	2024	1838
65°	1751	1720	1500
70°	1495	1347	1303
75°	1295	1073	1234
80°	1341	1087	1298
85°	1355	1308	1440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2332 cd/sqm

TEST NUMBER: P1527332

CATALOG NUMBER: 24CGSB-35-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	1.9
10°-20°	207.0	5.8
20°-30°	349.6	9.8
30°-40°	526.3	14.7
40°-50°	748.3	21.0
50°-60°	803.1	22.5
60°-70°	523.4	14.7
70°-80°	251.7	7.1
80°-90°	91.6	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°	625.2	17.5
0°-40°	1151.5	32.3
0°-60°	2702.9	75.7
0°-90°	3569.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3569.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	715	715	715	715	715	
5°	716	716	717	719	718	68
15°	721	724	730	734	735	205
25°	747	754	756	749	745	348
35°	836	852	843	815	797	530
45°	1033	1008	972	946	926	793
55°	993	968	893	867	890	869
65°	550	546	540	482	471	557
75°	249	236	206	235	237	274
85°	88	82	85	87	93	96
90°	0	0	0	0	0	

TEST NUMBER: P1527332

CATALOG NUMBER: 24CGSB-35-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	715.1	715.1	715.1	715.1	715.1
2.5°	714.5	715.1	715.7	716.3	716.3
5°	715.7	716.3	716.9	719.4	718.2
7.5°	716.3	716.9	718.8	722.5	722.5
10°	716.9	718.8	722.5	726.2	727.4
12.5°	719.4	721.3	726.2	731.2	732.4
15°	720.6	724.4	729.9	734.2	734.9
17.5°	725.0	728.7	734.9	736.7	736.7
20°	729.3	734.2	739.8	739.8	738.6
22.5°	737.3	742.9	747.2	743.5	741.0
25°	747.2	754.0	755.9	749.1	744.8
27.5°	761.4	770.1	767.6	758.3	752.8
30°	780.0	791.1	785.5	771.9	763.9
32.5°	804.7	818.3	809.0	791.7	779.4
35°	835.6	851.7	843.0	814.6	796.7
37.5°	873.9	890.6	880.1	843.6	819.5
40°	924.0	932.6	917.8	878.2	849.2
42.5°	978.4	974.0	951.2	914.7	886.3
45°	1033.4	1008.0	971.6	946.2	925.8
47.5°	1072.9	1026.0	974.0	961.1	957.4
50°	1082.8	1022.3	958.0	953.0	966.6
52.5°	1055.0	1002.5	928.9	920.3	945.0
55°	993.2	967.9	893.1	867.1	890.0
57.5°	902.4	900.5	836.2	789.9	796.0
60°	786.8	794.2	752.2	686.7	682.9
62.5°	661.9	666.3	647.7	579.7	566.8
65°	550.1	545.7	540.2	482.1	471.0
67.5°	458.0	445.0	436.3	401.1	395.6
70°	380.1	359.7	342.4	336.8	331.3
72.5°	307.8	293.0	265.1	280.6	280.0
75°	249.1	235.5	206.4	234.9	237.3
77.5°	204.0	194.7	166.9	192.8	200.9
80°	173.1	153.9	140.3	157.0	167.5
82.5°	132.3	117.4	114.3	121.1	131.0
85°	87.8	82.2	84.7	87.1	93.3
87.5°	44.5	47.6	51.3	55.6	58.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527332

CATALOG NUMBER: 24CGSB-35-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	18.0	16.6	18.4	18.7	15.4	17.1	15.7	17.4	17.8
	3H	17.4	19.0	17.7	19.3	19.7	16.5	18.1	16.9	18.4	18.8
	4H	17.8	19.3	18.2	19.6	20.0	16.9	18.5	17.3	18.8	19.2
	6H	18.1	19.5	18.5	19.9	20.3	17.4	18.8	17.8	19.2	19.6
	8H	18.3	19.6	18.7	20.0	20.4	17.6	18.9	18.0	19.3	19.7
	12H	18.4	19.7	18.8	20.1	20.5	17.8	19.1	18.2	19.4	19.9
4H	2H	16.7	18.2	17.1	18.5	18.9	15.9	17.4	16.3	17.8	18.2
	3H	18.0	19.2	18.4	19.6	20.0	17.2	18.5	17.6	18.9	19.3
	4H	18.5	19.6	18.9	20.0	20.5	17.8	19.0	18.2	19.4	19.8
	6H	18.9	20.0	19.4	20.4	20.9	18.4	19.4	18.8	19.8	20.3
	8H	19.2	20.1	19.6	20.6	21.0	18.7	19.6	19.1	20.0	20.5
	12H	19.4	20.2	19.8	20.7	21.2	18.9	19.8	19.4	20.2	20.7
8H	4H	18.6	19.6	19.1	20.0	20.5	18.0	19.0	18.5	19.4	19.9
	6H	19.2	20.0	19.7	20.5	21.0	18.7	19.5	19.2	20.0	20.5
	8H	19.5	20.2	20.0	20.7	21.2	19.1	19.8	19.6	20.3	20.8
	12H	19.8	20.4	20.3	20.9	21.5	19.4	20.1	19.9	20.6	21.1
12H	4H	18.6	19.5	19.1	20.0	20.4	18.1	18.9	18.5	19.4	19.9
	6H	19.3	20.0	19.8	20.5	21.0	18.8	19.5	19.3	20.0	20.5
	8H	19.6	20.3	20.1	20.8	21.3	19.2	19.8	19.7	20.3	20.9















(END OF REPORT)