

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: P1584112

Luminaire Tested: 14CGSB-45-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-45-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

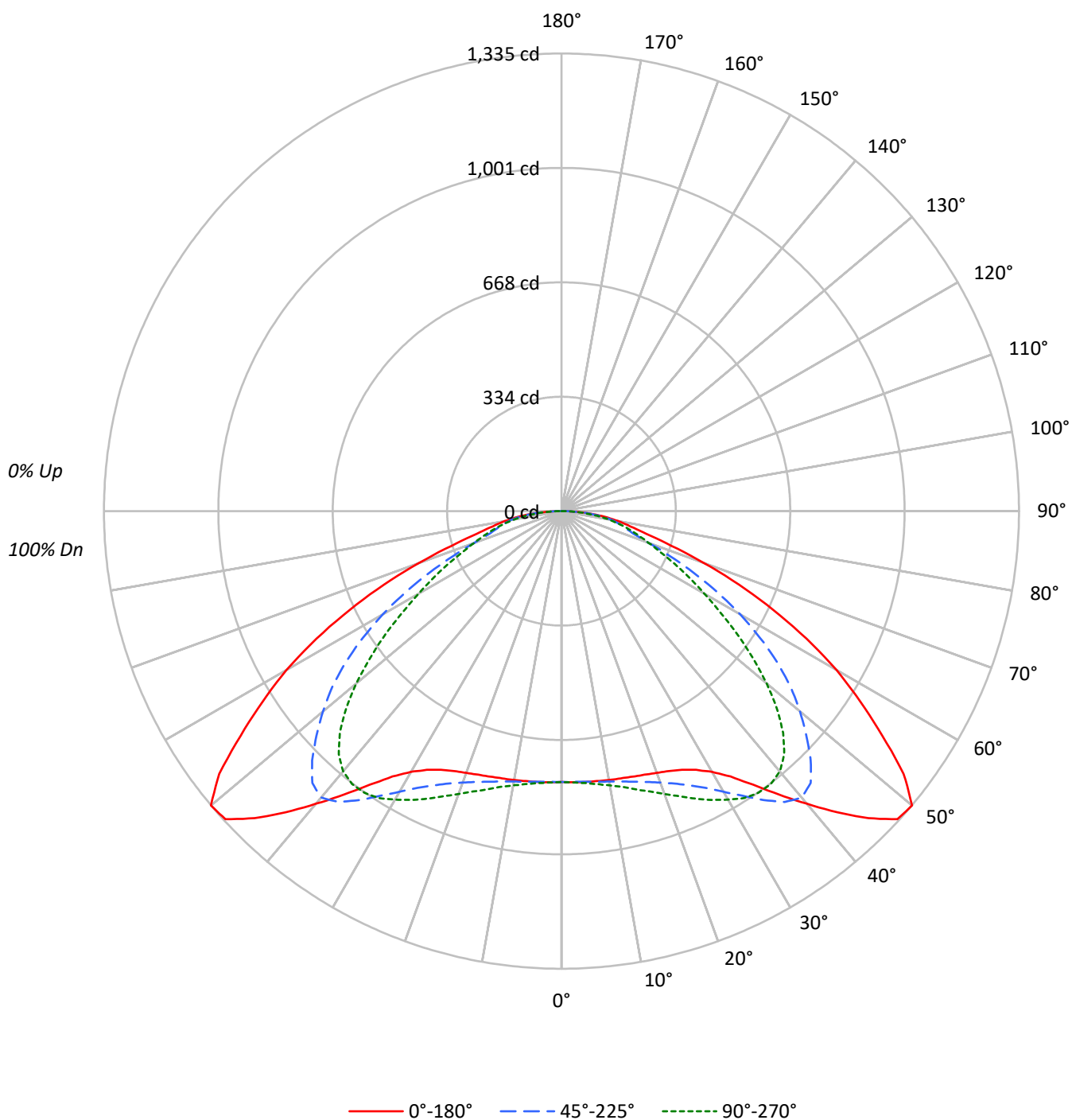
Lumens per Lamp: N/A
Luminaire Lumens: 3701.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.5
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: P1584112

CATALOG NUMBER: 14CGSB-45-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1584112

CATALOG NUMBER: 14CGSB-45-A125-L935

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	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56			
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47			
5	73	60	50	43	71	59	50	43	56	49	43	54	48	42	53	46	42	39			
6	67	53	44	37	65	52	43	37	50	42	36	49	42	36	47	41	36	34			
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	39	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	24	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	32	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2126	2126	2126
5°	2142	2140	2152
10°	2176	2188	2220
15°	2234	2277	2341
20°	2326	2413	2513
25°	2472	2620	2747
30°	2727	2936	3019
35°	3198	3379	3294
40°	3914	3831	3482
45°	4820	3915	3481
50°	5590	3801	3270
55°	5363	3604	2941
60°	4983	3233	2590
65°	4340	2709	2320
70°	3472	2129	2129
75°	2664	2019	2114
80°	2614	2332	2152
85°	2628	2581	2109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5590 cd/sqm

TEST NUMBER: P1584112

CATALOG NUMBER: 14CGSB-45-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	2.1
10°-20°	233.3	6.3
20°-30°	410.6	11.1
30°-40°	636.0	17.2
40°-50°	810.3	21.9
50°-60°	737.2	19.9
60°-70°	478.1	12.9
70°-80°	232.6	6.3
80°-90°	87.1	2.4
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°	719.9	19.5
0°-40°	1355.9	36.6
0°-60°	2903.4	78.4
0°-90°	3701.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3701.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	790	790	790	790	790	
5°	793	794	792	794	796	76
15°	802	807	817	832	840	228
25°	832	850	882	914	925	388
35°	973	1016	1029	1012	1003	620
45°	1267	1189	1029	939	915	973
55°	1143	1003	768	662	627	1020
65°	682	604	425	369	364	675
75°	256	235	194	185	203	290
85°	85	93	84	76	68	92
90°	0	0	0	0	0	

TEST NUMBER: P1584112

CATALOG NUMBER: 14CGSB-45-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	790.2	790.2	790.2	790.2	790.2
2.5°	791.7	792.6	790.2	790.7	792.2
5°	793.1	794.1	792.2	793.6	796.5
7.5°	794.1	796.0	796.0	799.4	803.2
10°	796.5	798.4	800.8	807.5	812.3
12.5°	798.4	801.8	807.5	818.6	823.9
15°	801.8	807.1	817.2	832.5	840.2
17.5°	806.1	813.8	828.2	848.4	857.5
20°	812.3	822.4	842.6	866.7	877.7
22.5°	820.5	834.0	859.9	888.3	900.3
25°	832.5	849.8	882.5	913.8	925.3
27.5°	850.8	872.4	909.9	941.2	949.8
30°	877.7	904.6	945.0	966.6	971.5
32.5°	917.6	952.2	984.4	991.6	992.6
35°	973.4	1015.7	1028.7	1011.8	1002.7
37.5°	1041.6	1088.7	1069.5	1019.5	1003.2
40°	1114.2	1152.7	1090.7	1013.3	991.2
42.5°	1191.1	1189.2	1076.2	985.9	961.8
45°	1266.6	1188.7	1028.7	938.8	914.7
47.5°	1330.0	1152.7	969.5	880.6	852.2
50°	1335.3	1105.6	908.0	809.9	781.1
52.5°	1258.4	1058.9	843.1	736.9	703.7
55°	1143.1	1002.7	768.1	661.9	626.8
57.5°	1033.9	929.2	686.4	584.5	549.9
60°	925.8	834.5	600.8	509.5	481.2
62.5°	806.1	724.4	513.4	435.0	420.1
65°	681.6	603.7	425.4	368.7	364.4
67.5°	561.0	489.3	341.3	306.2	311.5
70°	441.3	386.5	270.6	262.5	270.6
72.5°	335.5	304.8	220.2	222.1	235.5
75°	256.2	234.6	194.2	185.1	203.3
77.5°	205.3	191.3	172.1	158.6	172.1
80°	168.7	165.4	150.5	134.6	138.9
82.5°	127.4	129.8	118.2	110.1	104.8
85°	85.1	92.8	83.6	76.4	68.3
87.5°	42.8	51.9	44.2	39.4	35.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584112

CATALOG NUMBER: 14CGSB-45-A125-L935

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	19.0	20.7	19.3	21.0	21.3	15.5	17.3	15.9	17.6	17.9
	3H	20.3	21.8	20.6	22.2	22.5	16.8	18.4	17.2	18.7	19.1
	4H	20.6	22.1	21.0	22.4	22.8	17.4	18.9	17.8	19.2	19.6
	6H	20.9	22.3	21.3	22.6	23.0	17.9	19.3	18.3	19.7	20.0
	8H	21.0	22.4	21.5	22.7	23.1	18.2	19.5	18.6	19.8	20.2
	12H	21.2	22.4	21.6	22.8	23.2	18.3	19.6	18.8	20.0	20.4
4H	2H	19.1	20.6	19.5	21.0	21.3	16.2	17.7	16.6	18.0	18.4
	3H	20.6	21.8	21.0	22.2	22.6	17.6	18.9	18.1	19.3	19.7
	4H	21.1	22.2	21.5	22.6	23.0	18.3	19.4	18.7	19.8	20.3
	6H	21.5	22.5	22.0	22.9	23.4	19.0	20.0	19.5	20.4	20.9
	8H	21.7	22.7	22.2	23.1	23.6	19.3	20.2	19.8	20.7	21.1
	12H	21.9	22.7	22.4	23.2	23.7	19.5	20.4	20.0	20.8	21.3
8H	4H	21.2	22.1	21.6	22.5	23.0	18.7	19.6	19.1	20.0	20.5
	6H	21.8	22.5	22.3	23.0	23.5	19.5	20.3	20.0	20.8	21.2
	8H	22.1	22.8	22.6	23.3	23.7	19.9	20.6	20.4	21.1	21.6
	12H	22.3	23.0	22.9	23.5	24.0	20.3	20.9	20.8	21.4	21.9
12H	4H	21.2	22.0	21.7	22.5	23.0	18.7	19.6	19.2	20.0	20.5
	6H	21.8	22.5	22.3	23.0	23.5	19.6	20.3	20.1	20.8	21.3
	8H	22.2	22.8	22.7	23.3	23.8	20.1	20.7	20.6	21.2	21.8













(END OF REPORT)