

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: P1584108

Luminaire Tested: 14CGSB-45-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584108
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

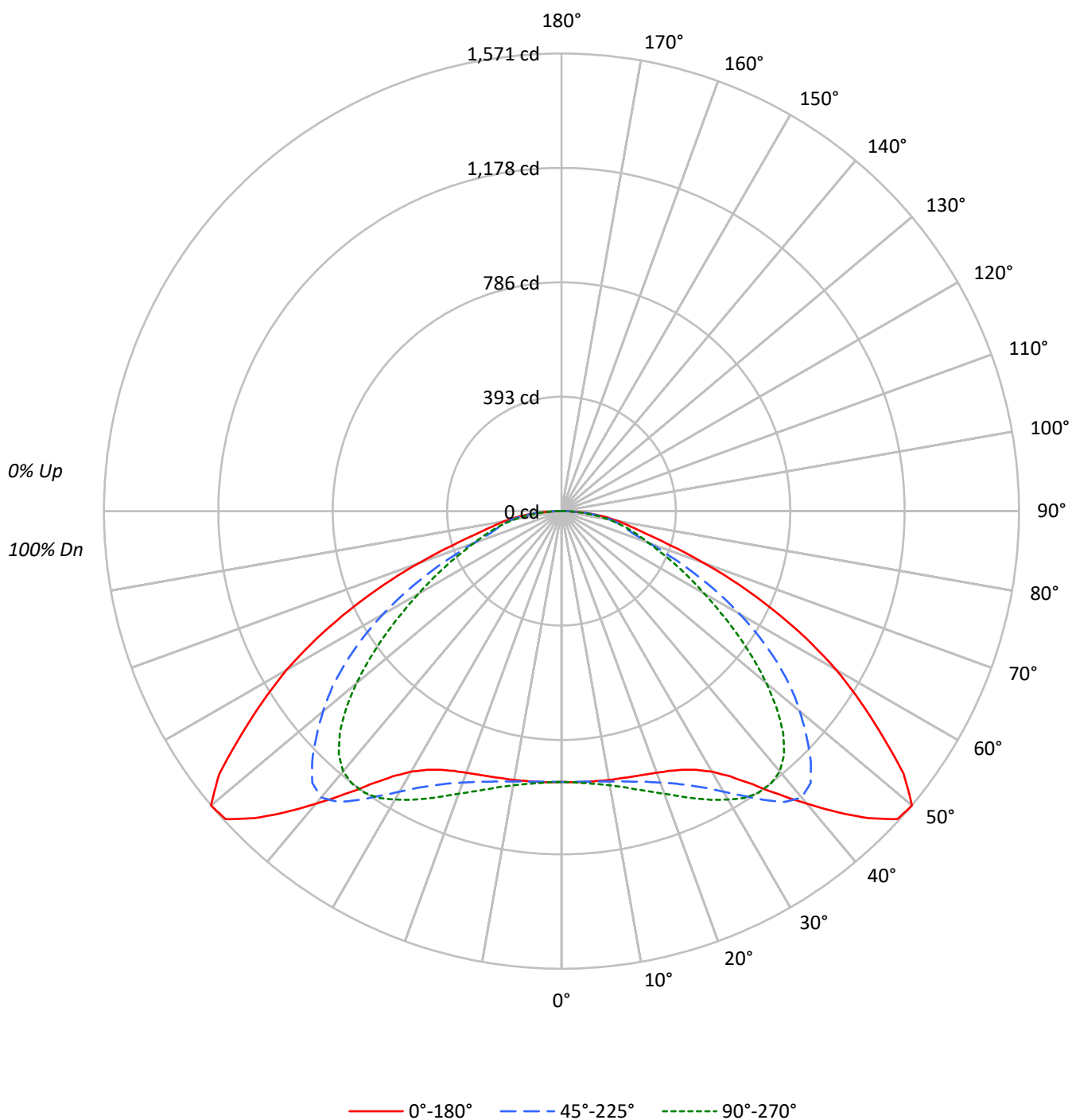
Lumens per Lamp: N/A
Luminaire Lumens: 4354.3 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1584108

CATALOG NUMBER: 14CGSB-45-A125-L835

Luminous Intensity Polar Plot



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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		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°	2502	2502	2502
5°	2521	2518	2531
10°	2560	2574	2611
15°	2628	2678	2754
20°	2737	2839	2957
25°	2908	3083	3232
30°	3209	3455	3551
35°	3762	3976	3875
40°	4605	4507	4096
45°	5671	4606	4096
50°	6577	4472	3847
55°	6309	4240	3460
60°	5862	3805	3047
65°	5106	3187	2730
70°	4084	2505	2505
75°	3134	2376	2487
80°	3076	2743	2532
85°	3091	3038	2479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6577 cd/sqm

TEST NUMBER: P1584108

CATALOG NUMBER: 14CGSB-45-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	2.1
10°-20°	274.4	6.3
20°-30°	483.0	11.1
30°-40°	748.3	17.2
40°-50°	953.3	21.9
50°-60°	867.3	19.9
60°-70°	562.4	12.9
70°-80°	273.6	6.3
80°-90°	102.5	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°	847.0	19.5
0°-40°	1595.2	36.6
0°-60°	3415.8	78.4
0°-90°	4354.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4354.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	933	934	932	934	937	89
15°	943	950	961	980	988	268
25°	980	1000	1038	1075	1089	457
35°	1145	1195	1210	1190	1180	729
45°	1490	1398	1210	1104	1076	1145
55°	1345	1180	904	779	737	1201
65°	802	710	500	434	429	794
75°	301	276	228	218	239	342
85°	100	109	98	90	80	109
90°	0	0	0	0	0	

TEST NUMBER: P1584108

CATALOG NUMBER: 14CGSB-45-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	929.7	929.7	929.7	929.7	929.7
2.5°	931.4	932.5	929.7	930.3	932.0
5°	933.1	934.2	932.0	933.6	937.0
7.5°	934.2	936.5	936.5	940.4	945.0
10°	937.0	939.3	942.1	950.0	955.7
12.5°	939.3	943.3	950.0	963.1	969.3
15°	943.3	949.5	961.4	979.5	988.5
17.5°	948.4	957.4	974.4	998.1	1008.9
20°	955.7	967.6	991.3	1019.6	1032.6
22.5°	965.3	981.2	1011.7	1045.1	1059.2
25°	979.5	999.8	1038.3	1075.0	1088.6
27.5°	1000.9	1026.4	1070.5	1107.3	1117.4
30°	1032.6	1064.3	1111.8	1137.2	1142.9
32.5°	1079.5	1120.3	1158.2	1166.6	1167.8
35°	1145.1	1194.9	1210.2	1190.4	1179.6
37.5°	1225.4	1280.9	1258.2	1199.4	1180.2
40°	1310.8	1356.1	1283.1	1192.1	1166.1
42.5°	1401.3	1399.1	1266.2	1159.9	1131.6
45°	1490.1	1398.5	1210.2	1104.4	1076.2
47.5°	1564.8	1356.1	1140.6	1036.0	1002.6
50°	1571.0	1300.7	1068.2	952.9	918.9
52.5°	1480.5	1245.8	991.9	866.9	827.9
55°	1344.8	1179.6	903.7	778.7	737.4
57.5°	1216.4	1093.1	807.5	687.7	646.9
60°	1089.2	981.7	706.9	599.4	566.1
62.5°	948.4	852.2	604.0	511.8	494.3
65°	801.9	710.3	500.5	433.7	428.7
67.5°	659.9	575.7	401.5	360.2	366.4
70°	519.1	454.7	318.4	308.8	318.4
72.5°	394.7	358.5	259.0	261.3	277.1
75°	301.4	276.0	228.5	217.7	239.2
77.5°	241.5	225.1	202.5	186.6	202.5
80°	198.5	194.5	177.0	158.3	163.4
82.5°	149.9	152.7	139.1	129.5	123.3
85°	100.1	109.1	98.4	89.9	80.3
87.5°	50.3	61.1	52.0	46.4	41.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584108

CATALOG NUMBER: 14CGSB-45-A125-L835

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	19.5	21.3	19.9	21.6	21.9	16.1	17.8	16.5	18.1	18.5
	3H	20.8	22.4	21.2	22.7	23.1	17.4	18.9	17.8	19.3	19.6
	4H	21.2	22.7	21.6	23.0	23.4	17.9	19.4	18.3	19.8	20.1
	6H	21.5	22.8	21.9	23.2	23.6	18.5	19.9	18.9	20.2	20.6
	8H	21.6	22.9	22.0	23.3	23.7	18.7	20.0	19.1	20.4	20.8
	12H	21.7	23.0	22.1	23.4	23.8	18.9	20.1	19.3	20.5	21.0
4H	2H	19.7	21.2	20.1	21.5	21.9	16.8	18.2	17.2	18.6	18.9
	3H	21.2	22.4	21.6	22.8	23.2	18.2	19.4	18.6	19.8	20.2
	4H	21.6	22.8	22.1	23.2	23.6	18.9	20.0	19.3	20.4	20.8
	6H	22.1	23.1	22.5	23.5	24.0	19.6	20.5	20.0	21.0	21.4
	8H	22.3	23.2	22.8	23.7	24.1	19.9	20.8	20.3	21.2	21.7
	12H	22.5	23.3	23.0	23.8	24.2	20.1	20.9	20.6	21.4	21.9
8H	4H	21.8	22.7	22.2	23.1	23.6	19.2	20.1	19.7	20.6	21.0
	6H	22.3	23.1	22.8	23.6	24.1	20.1	20.8	20.6	21.3	21.8
	8H	22.6	23.3	23.1	23.8	24.3	20.5	21.2	21.0	21.7	22.1
	12H	22.9	23.5	23.4	24.0	24.6	20.8	21.4	21.3	21.9	22.5
12H	4H	21.8	22.6	22.2	23.1	23.5	19.3	20.1	19.8	20.6	21.1
	6H	22.4	23.1	22.9	23.5	24.1	20.2	20.9	20.7	21.3	21.9
	8H	22.7	23.3	23.2	23.8	24.4	20.7	21.3	21.2	21.8	22.3















(END OF REPORT)