

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: P1584125

Luminaire Tested: 14CGSB-55-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584125
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-55-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

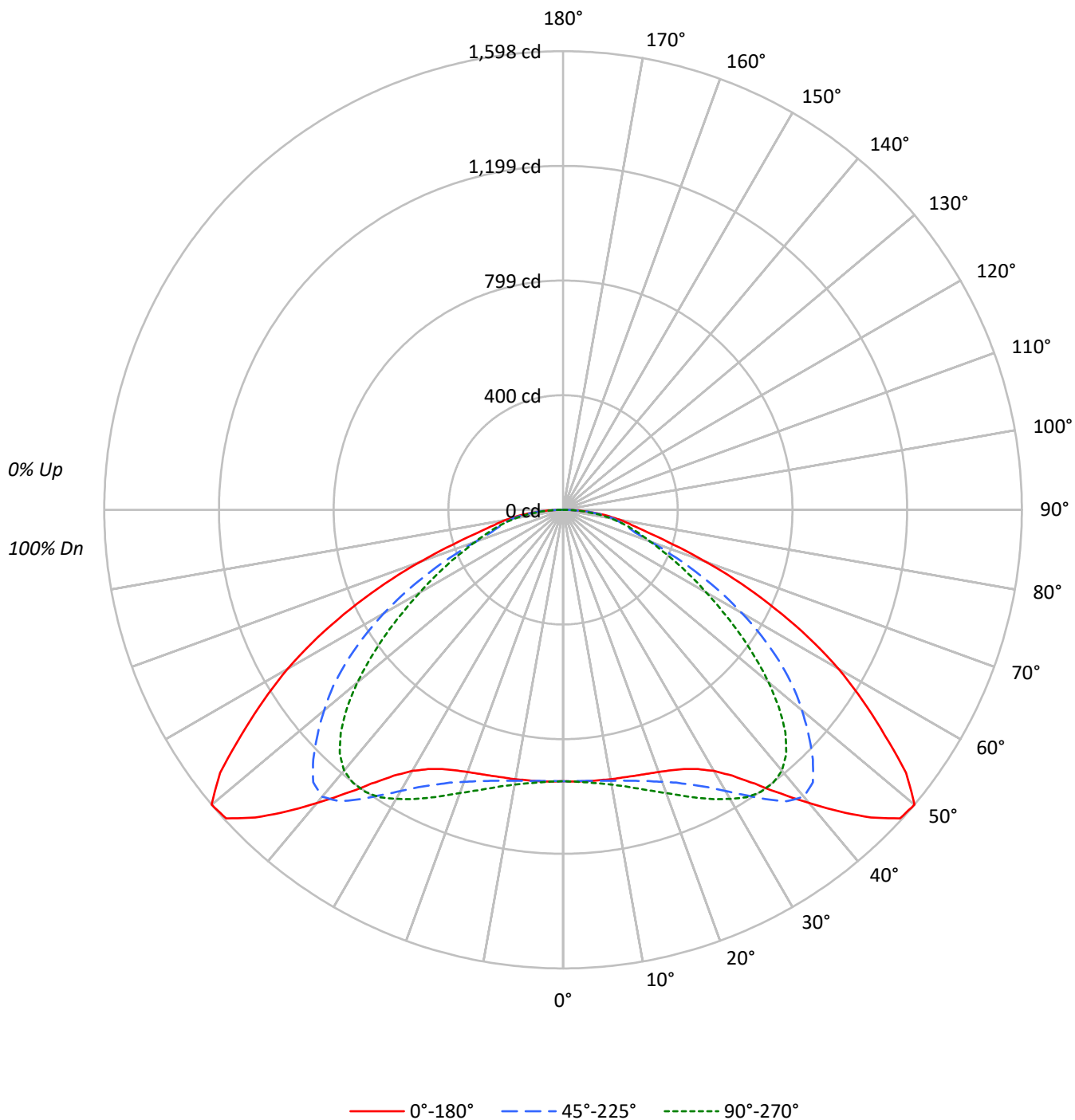
Lumens per Lamp: N/A
Luminaire Lumens: 4428.9 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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: P1584125

CATALOG NUMBER: 14CGSB-55-A125-L930

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°	2545	2545	2545
5°	2564	2561	2575
10°	2604	2619	2656
15°	2673	2724	2801
20°	2784	2887	3008
25°	2958	3136	3288
30°	3264	3514	3612
35°	3826	4044	3942
40°	4684	4585	4167
45°	5768	4684	4166
50°	6689	4549	3913
55°	6417	4312	3519
60°	5962	3870	3099
65°	5193	3242	2776
70°	4154	2548	2548
75°	3188	2416	2530
80°	3129	2789	2576
85°	3143	3091	2523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6689 cd/sqm

TEST NUMBER: P1584125

CATALOG NUMBER: 14CGSB-55-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	2.1
10°-20°	279.1	6.3
20°-30°	491.3	11.1
30°-40°	761.1	17.2
40°-50°	969.6	21.9
50°-60°	882.2	19.9
60°-70°	572.1	12.9
70°-80°	278.3	6.3
80°-90°	104.2	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°	861.5	19.5
0°-40°	1622.6	36.6
0°-60°	3474.3	78.4
0°-90°	4428.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4428.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	949	950	948	950	953	91
15°	959	966	978	996	1005	273
25°	996	1017	1056	1094	1107	465
35°	1165	1215	1231	1211	1200	742
45°	1516	1422	1231	1123	1095	1164
55°	1368	1200	919	792	750	1221
65°	816	722	509	441	436	808
75°	307	281	232	222	243	348
85°	102	111	100	92	82	111
90°	0	0	0	0	0	

TEST NUMBER: P1584125

CATALOG NUMBER: 14CGSB-55-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.6	945.6	945.6	945.6	945.6
2.5°	947.4	948.5	945.6	946.2	947.9
5°	949.1	950.2	947.9	949.7	953.1
7.5°	950.2	952.5	952.5	956.6	961.2
10°	953.1	955.4	958.3	966.3	972.1
12.5°	955.4	959.4	966.3	979.6	985.9
15°	959.4	965.8	977.8	996.2	1005.4
17.5°	964.6	973.8	991.1	1015.2	1026.2
20°	972.1	984.2	1008.3	1037.1	1050.3
22.5°	981.9	998.0	1029.0	1063.0	1077.3
25°	996.2	1017.0	1056.1	1093.5	1107.3
27.5°	1018.1	1044.0	1088.9	1126.2	1136.6
30°	1050.3	1082.5	1130.8	1156.7	1162.5
32.5°	1098.1	1139.5	1178.0	1186.6	1187.8
35°	1164.8	1215.4	1230.9	1210.8	1199.9
37.5°	1246.5	1302.8	1279.8	1220.0	1200.4
40°	1333.3	1379.3	1305.1	1212.5	1186.1
42.5°	1425.3	1423.0	1287.9	1179.7	1151.0
45°	1515.6	1422.5	1230.9	1123.4	1094.6
47.5°	1591.6	1379.3	1160.2	1053.8	1019.8
50°	1597.9	1323.0	1086.5	969.2	934.7
52.5°	1505.9	1267.2	1008.9	881.8	842.1
55°	1367.8	1199.9	919.2	792.0	750.1
57.5°	1237.3	1111.9	821.4	699.4	658.0
60°	1107.8	998.5	719.0	609.7	575.8
62.5°	964.6	866.8	614.3	520.6	502.7
65°	815.6	722.4	509.1	441.2	436.0
67.5°	671.3	585.6	408.4	366.4	372.7
70°	528.0	462.5	323.8	314.1	323.8
72.5°	401.5	364.7	263.4	265.7	281.8
75°	306.6	280.7	232.4	221.5	243.3
77.5°	245.6	228.9	205.9	189.8	205.9
80°	201.9	197.9	180.0	161.1	166.2
82.5°	152.4	155.3	141.5	131.7	125.4
85°	101.8	111.0	100.1	91.5	81.7
87.5°	51.2	62.1	52.9	47.2	42.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584125

CATALOG NUMBER: 14CGSB-55-A125-L930

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	19.6	21.3	20.0	21.6	22.0	16.2	17.9	16.5	18.2	18.5
	3H	20.9	22.4	21.3	22.8	23.1	17.4	19.0	17.8	19.3	19.7
	4H	21.2	22.7	21.6	23.1	23.4	18.0	19.5	18.4	19.8	20.2
	6H	21.5	22.9	22.0	23.3	23.7	18.6	19.9	19.0	20.3	20.7
	8H	21.7	23.0	22.1	23.4	23.8	18.8	20.1	19.2	20.5	20.9
	12H	21.8	23.0	22.2	23.4	23.8	18.9	20.2	19.4	20.6	21.0
4H	2H	19.8	21.2	20.2	21.6	22.0	16.8	18.3	17.2	18.6	19.0
	3H	21.2	22.5	21.6	22.9	23.3	18.3	19.5	18.7	19.9	20.3
	4H	21.7	22.8	22.1	23.2	23.7	18.9	20.1	19.4	20.5	20.9
	6H	22.2	23.1	22.6	23.6	24.0	19.6	20.6	20.1	21.0	21.5
	8H	22.4	23.3	22.8	23.7	24.2	19.9	20.8	20.4	21.3	21.7
	12H	22.5	23.4	23.0	23.8	24.3	20.2	21.0	20.6	21.5	21.9
8H	4H	21.8	22.7	22.3	23.2	23.6	19.3	20.2	19.7	20.6	21.1
	6H	22.4	23.2	22.9	23.6	24.1	20.1	20.9	20.6	21.4	21.8
	8H	22.7	23.4	23.2	23.9	24.4	20.5	21.2	21.0	21.7	22.2
	12H	23.0	23.6	23.5	24.1	24.6	20.9	21.5	21.4	22.0	22.6
12H	4H	21.8	22.7	22.3	23.1	23.6	19.4	20.2	19.8	20.7	21.1
	6H	22.4	23.1	23.0	23.6	24.1	20.3	21.0	20.8	21.4	21.9
	8H	22.8	23.4	23.3	23.9	24.4	20.7	21.3	21.2	21.8	22.4















(END OF REPORT)