

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: P1584126

Luminaire Tested: 14CGSB-55-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584126
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

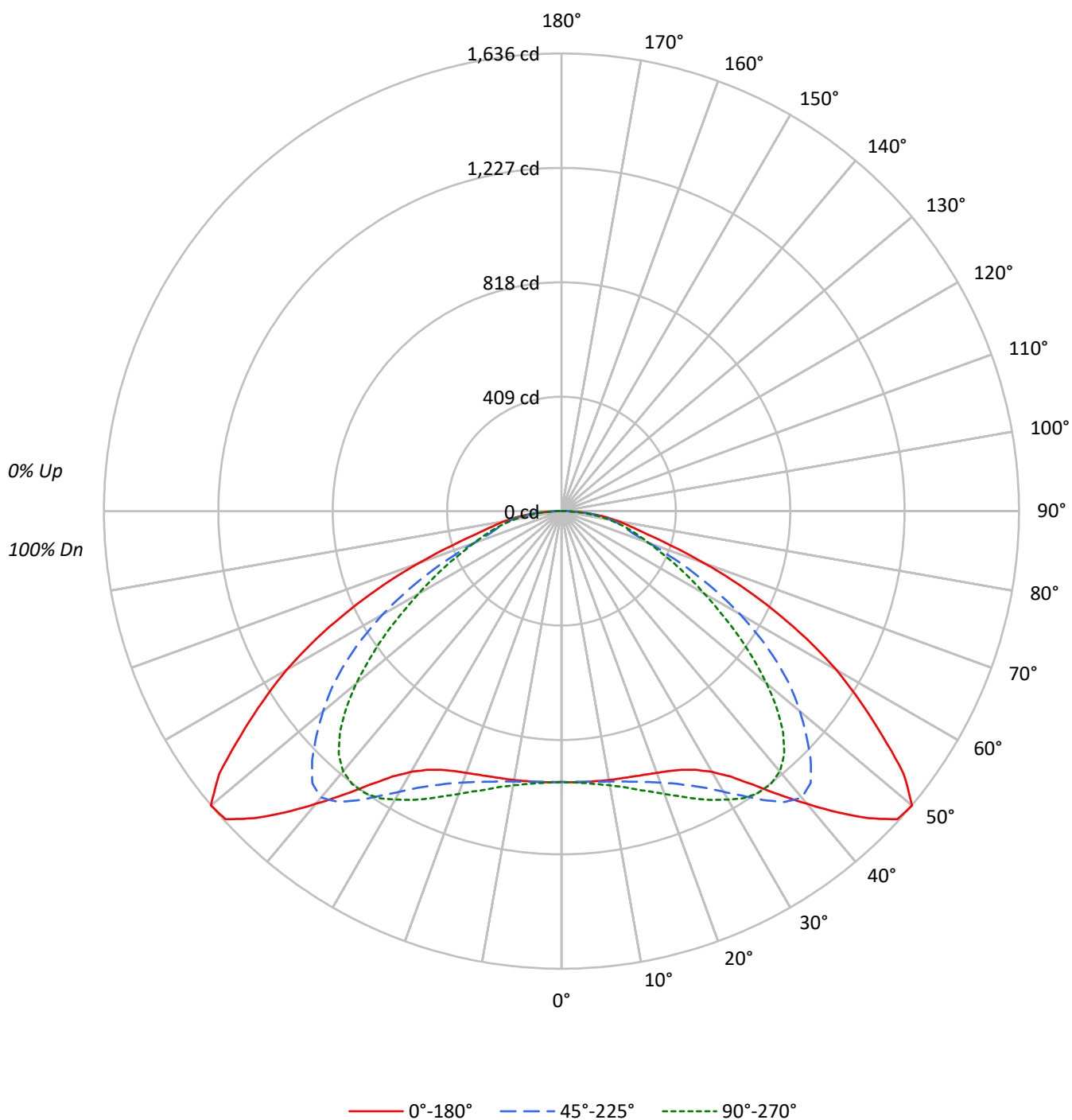
Lumens per Lamp: N/A
Luminaire Lumens: 4535.6 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1584126

CATALOG NUMBER: 14CGSB-55-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1584126

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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°	2606	2606	2606
5°	2625	2622	2637
10°	2667	2682	2720
15°	2737	2790	2869
20°	2851	2957	3080
25°	3029	3211	3367
30°	3342	3599	3699
35°	3918	4141	4037
40°	4796	4695	4267
45°	5907	4797	4266
50°	6851	4658	4007
55°	6572	4416	3604
60°	6106	3963	3173
65°	5319	3319	2843
70°	4255	2609	2609
75°	3265	2475	2591
80°	3205	2858	2638
85°	3220	3165	2581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6851 cd/sqm

TEST NUMBER: P1584126

CATALOG NUMBER: 14CGSB-55-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	2.1
10°-20°	285.9	6.3
20°-30°	503.2	11.1
30°-40°	779.4	17.2
40°-50°	993.0	21.9
50°-60°	903.4	19.9
60°-70°	585.9	12.9
70°-80°	285.0	6.3
80°-90°	106.7	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°	882.2	19.5
0°-40°	1661.6	36.6
0°-60°	3558.0	78.4
0°-90°	4535.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4535.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	972	973	971	972	976	93
15°	982	989	1001	1020	1030	279
25°	1020	1042	1082	1120	1134	476
35°	1193	1245	1261	1240	1229	760
45°	1552	1457	1261	1150	1121	1192
55°	1401	1229	941	811	768	1251
65°	835	740	521	452	446	827
75°	314	288	238	227	249	356
85°	104	114	102	94	84	113
90°	0	0	0	0	0	

TEST NUMBER: P1584126

CATALOG NUMBER: 14CGSB-55-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	968.4	968.4	968.4	968.4	968.4
2.5°	970.2	971.4	968.4	969.0	970.8
5°	971.9	973.1	970.8	972.5	976.1
7.5°	973.1	975.5	975.5	979.6	984.3
10°	976.1	978.4	981.4	989.6	995.5
12.5°	978.4	982.5	989.6	1003.2	1009.6
15°	982.5	989.0	1001.4	1020.2	1029.7
17.5°	987.9	997.3	1014.9	1039.7	1050.9
20°	995.5	1007.9	1032.6	1062.1	1075.6
22.5°	1005.5	1022.0	1053.8	1088.6	1103.3
25°	1020.2	1041.5	1081.5	1119.8	1133.9
27.5°	1042.6	1069.1	1115.1	1153.4	1164.0
30°	1075.6	1108.6	1158.1	1184.6	1190.5
32.5°	1124.5	1166.9	1206.4	1215.2	1216.4
35°	1192.8	1244.7	1260.6	1240.0	1228.8
37.5°	1276.5	1334.2	1310.7	1249.4	1229.4
40°	1365.4	1412.6	1336.6	1241.7	1214.6
42.5°	1459.7	1457.3	1318.9	1208.2	1178.7
45°	1552.2	1456.7	1260.6	1150.4	1121.0
47.5°	1629.9	1412.6	1188.1	1079.2	1044.4
50°	1636.4	1354.8	1112.7	992.6	957.2
52.5°	1542.2	1297.7	1033.2	903.0	862.4
55°	1400.8	1228.8	941.3	811.1	768.1
57.5°	1267.1	1138.7	841.2	716.3	673.9
60°	1134.5	1022.6	736.3	624.4	589.6
62.5°	987.9	887.7	629.1	533.1	514.8
65°	835.3	739.9	521.3	451.8	446.5
67.5°	687.4	599.7	418.2	375.2	381.7
70°	540.8	473.6	331.6	321.6	331.6
72.5°	411.2	373.5	269.8	272.1	288.6
75°	314.0	287.5	238.0	226.8	249.2
77.5°	251.5	234.4	210.9	194.4	210.9
80°	206.8	202.6	184.4	164.9	170.2
82.5°	156.1	159.0	144.9	134.9	128.4
85°	104.3	113.7	102.5	93.7	83.6
87.5°	52.4	63.6	54.2	48.3	43.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584126

CATALOG NUMBER: 14CGSB-55-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	19.7	21.4	20.1	21.7	22.0	16.2	18.0	16.6	18.3	18.6
	3H	21.0	22.5	21.3	22.9	23.2	17.5	19.1	17.9	19.4	19.8
	4H	21.3	22.8	21.7	23.1	23.5	18.1	19.6	18.5	19.9	20.3
	6H	21.6	23.0	22.0	23.4	23.7	18.6	20.0	19.0	20.4	20.8
	8H	21.8	23.1	22.2	23.4	23.8	18.9	20.2	19.3	20.6	20.9
	12H	21.9	23.1	22.3	23.5	23.9	19.0	20.3	19.5	20.7	21.1
4H	2H	19.8	21.3	20.2	21.7	22.0	16.9	18.4	17.3	18.7	19.1
	3H	21.3	22.5	21.7	22.9	23.3	18.3	19.6	18.8	20.0	20.4
	4H	21.8	22.9	22.2	23.3	23.7	19.0	20.1	19.4	20.5	21.0
	6H	22.2	23.2	22.7	23.7	24.1	19.7	20.7	20.2	21.1	21.6
	8H	22.4	23.4	22.9	23.8	24.3	20.0	20.9	20.5	21.4	21.8
	12H	22.6	23.4	23.1	23.9	24.4	20.3	21.1	20.7	21.6	22.0
8H	4H	21.9	22.8	22.4	23.2	23.7	19.4	20.3	19.8	20.7	21.2
	6H	22.5	23.2	23.0	23.7	24.2	20.2	21.0	20.7	21.5	21.9
	8H	22.8	23.5	23.3	24.0	24.4	20.6	21.3	21.1	21.8	22.3
	12H	23.1	23.7	23.6	24.2	24.7	21.0	21.6	21.5	22.1	22.6
12H	4H	21.9	22.7	22.4	23.2	23.7	19.4	20.3	19.9	20.7	21.2
	6H	22.5	23.2	23.0	23.7	24.2	20.3	21.0	20.9	21.5	22.0
	8H	22.9	23.5	23.4	24.0	24.5	20.8	21.4	21.3	21.9	22.5















(END OF REPORT)