

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: P1584114

Luminaire Tested: 14CGSB-50-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584114
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-50-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

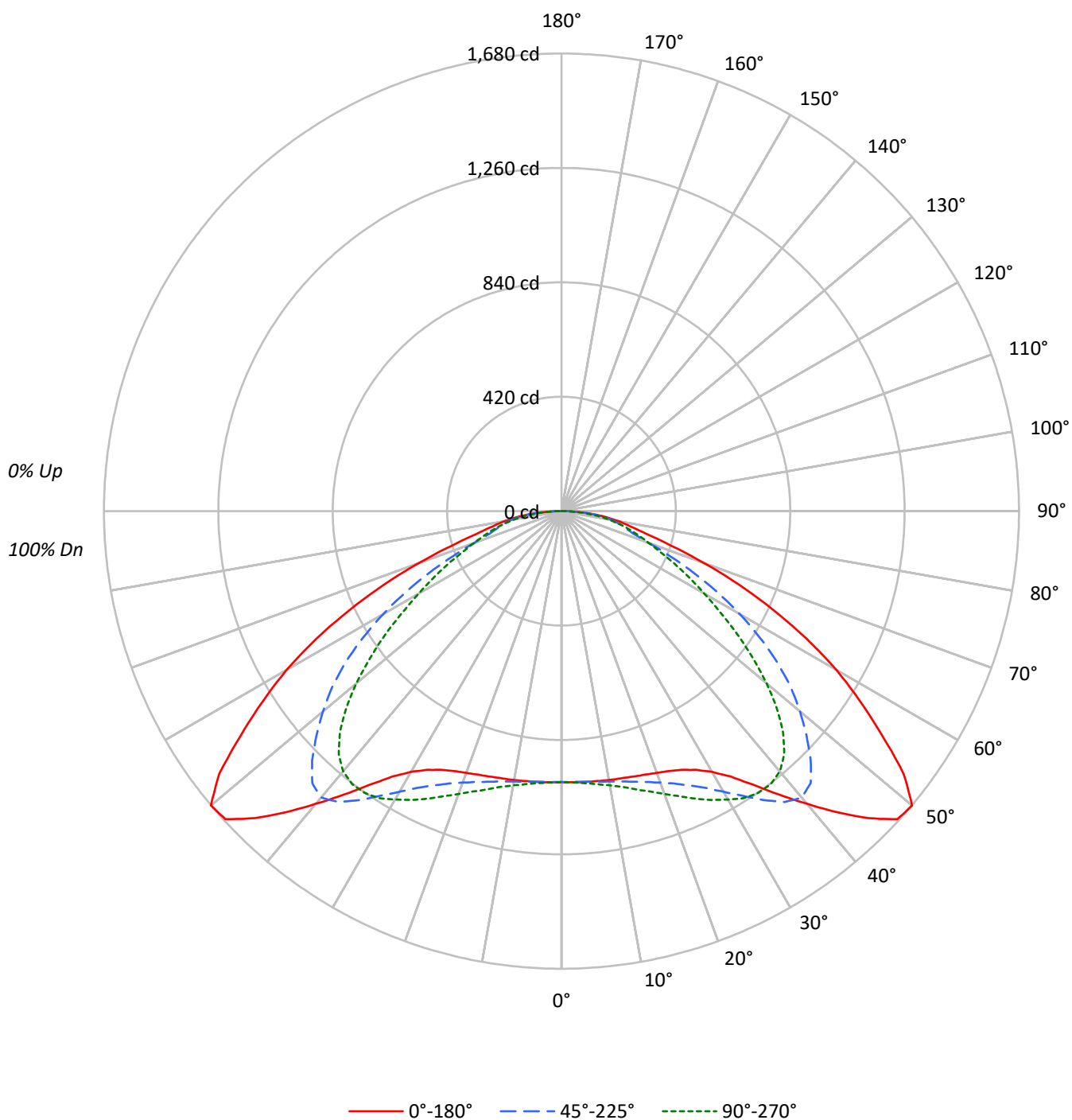
Lumens per Lamp: N/A
Luminaire Lumens: 4657.8 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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

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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°	2676	2676	2676
5°	2696	2693	2708
10°	2739	2754	2793
15°	2811	2865	2946
20°	2928	3037	3163
25°	3111	3298	3458
30°	3432	3695	3799
35°	4024	4253	4145
40°	4926	4822	4382
45°	6066	4926	4381
50°	7035	4784	4115
55°	6749	4535	3701
60°	6271	4070	3259
65°	5462	3409	2919
70°	4369	2680	2680
75°	3352	2541	2661
80°	3290	2934	2709
85°	3307	3251	2652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	2.1
10°-20°	293.6	6.3
20°-30°	516.7	11.1
30°-40°	800.4	17.2
40°-50°	1019.7	21.9
50°-60°	927.7	19.9
60°-70°	601.7	12.9
70°-80°	292.6	6.3
80°-90°	109.6	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°	906.0	19.5
0°-40°	1706.4	36.6
0°-60°	3653.8	78.4
0°-90°	4657.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4657.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	994	994	994	994	994	
5°	998	999	997	999	1002	95
15°	1009	1016	1028	1048	1057	287
25°	1048	1070	1111	1150	1164	489
35°	1225	1278	1294	1273	1262	780
45°	1594	1496	1294	1181	1151	1225
55°	1438	1262	967	833	789	1284
65°	858	760	535	464	458	849
75°	322	295	244	233	256	365
85°	107	117	105	96	86	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	994.5	994.5	994.5	994.5	994.5
2.5°	996.3	997.5	994.5	995.1	996.9
5°	998.1	999.3	996.9	998.7	1002.4
7.5°	999.3	1001.8	1001.8	1006.0	1010.8
10°	1002.4	1004.8	1007.8	1016.3	1022.3
12.5°	1004.8	1009.0	1016.3	1030.2	1036.8
15°	1009.0	1015.7	1028.4	1047.7	1057.4
17.5°	1014.5	1024.1	1042.3	1067.7	1079.2
20°	1022.3	1035.0	1060.4	1090.7	1104.6
22.5°	1032.6	1049.5	1082.2	1117.9	1133.0
25°	1047.7	1069.5	1110.6	1150.0	1164.5
27.5°	1070.7	1097.9	1145.1	1184.4	1195.3
30°	1104.6	1138.5	1189.3	1216.5	1222.5
32.5°	1154.8	1198.4	1238.9	1248.0	1249.2
35°	1225.0	1278.2	1294.5	1273.4	1261.9
37.5°	1310.9	1370.1	1346.0	1283.0	1262.5
40°	1402.2	1450.6	1372.6	1275.2	1247.4
42.5°	1499.0	1496.6	1354.4	1240.7	1210.4
45°	1594.0	1496.0	1294.5	1181.4	1151.2
47.5°	1673.8	1450.6	1220.1	1108.2	1072.5
50°	1680.5	1391.3	1142.7	1019.3	983.0
52.5°	1583.7	1332.6	1061.0	927.3	885.6
55°	1438.5	1261.9	966.7	833.0	788.8
57.5°	1301.2	1169.3	863.8	735.6	692.0
60°	1165.1	1050.1	756.2	641.2	605.5
62.5°	1014.5	911.6	646.1	547.5	528.7
65°	857.8	759.8	535.4	464.0	458.5
67.5°	705.9	615.8	429.5	385.3	392.0
70°	555.3	486.4	340.6	330.3	340.6
72.5°	422.2	383.5	277.1	279.5	296.4
75°	322.4	295.2	244.4	232.9	255.9
77.5°	258.3	240.8	216.6	199.6	216.6
80°	212.3	208.1	189.3	169.4	174.8
82.5°	160.3	163.3	148.8	138.5	131.9
85°	107.1	116.8	105.3	96.2	85.9
87.5°	53.8	65.3	55.7	49.6	44.2
90°	0.0	0.0	0.0	0.0	0.0

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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	19.8	21.5	20.1	21.8	22.1	16.3	18.1	16.7	18.4	18.7
	3H	21.1	22.6	21.4	22.9	23.3	17.6	19.2	18.0	19.5	19.9
	4H	21.4	22.9	21.8	23.2	23.6	18.2	19.7	18.6	20.0	20.4
	6H	21.7	23.1	22.1	23.4	23.8	18.7	20.1	19.1	20.5	20.8
	8H	21.8	23.2	22.3	23.5	23.9	18.9	20.3	19.4	20.6	21.0
	12H	22.0	23.2	22.4	23.6	24.0	19.1	20.4	19.6	20.8	21.2
4H	2H	19.9	21.4	20.3	21.8	22.1	17.0	18.5	17.4	18.8	19.2
	3H	21.4	22.6	21.8	23.0	23.4	18.4	19.7	18.8	20.1	20.5
	4H	21.9	23.0	22.3	23.4	23.8	19.1	20.2	19.5	20.6	21.1
	6H	22.3	23.3	22.8	23.7	24.2	19.8	20.8	20.3	21.2	21.7
	8H	22.5	23.5	23.0	23.9	24.4	20.1	21.0	20.6	21.5	21.9
	12H	22.7	23.5	23.2	24.0	24.5	20.3	21.2	20.8	21.6	22.1
8H	4H	22.0	22.9	22.4	23.3	23.8	19.5	20.4	19.9	20.8	21.3
	6H	22.6	23.3	23.1	23.8	24.3	20.3	21.1	20.8	21.6	22.0
	8H	22.9	23.5	23.4	24.1	24.5	20.7	21.4	21.2	21.9	22.4
	12H	23.1	23.8	23.7	24.2	24.8	21.1	21.7	21.6	22.2	22.7
12H	4H	22.0	22.8	22.5	23.3	23.8	19.5	20.4	20.0	20.8	21.3
	6H	22.6	23.3	23.1	23.8	24.3	20.4	21.1	20.9	21.6	22.1
	8H	23.0	23.6	23.5	24.1	24.6	20.9	21.5	21.4	22.0	22.6













(END OF REPORT)