

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: P1527251

Luminaire Tested: 22CGSB-20-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-20-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

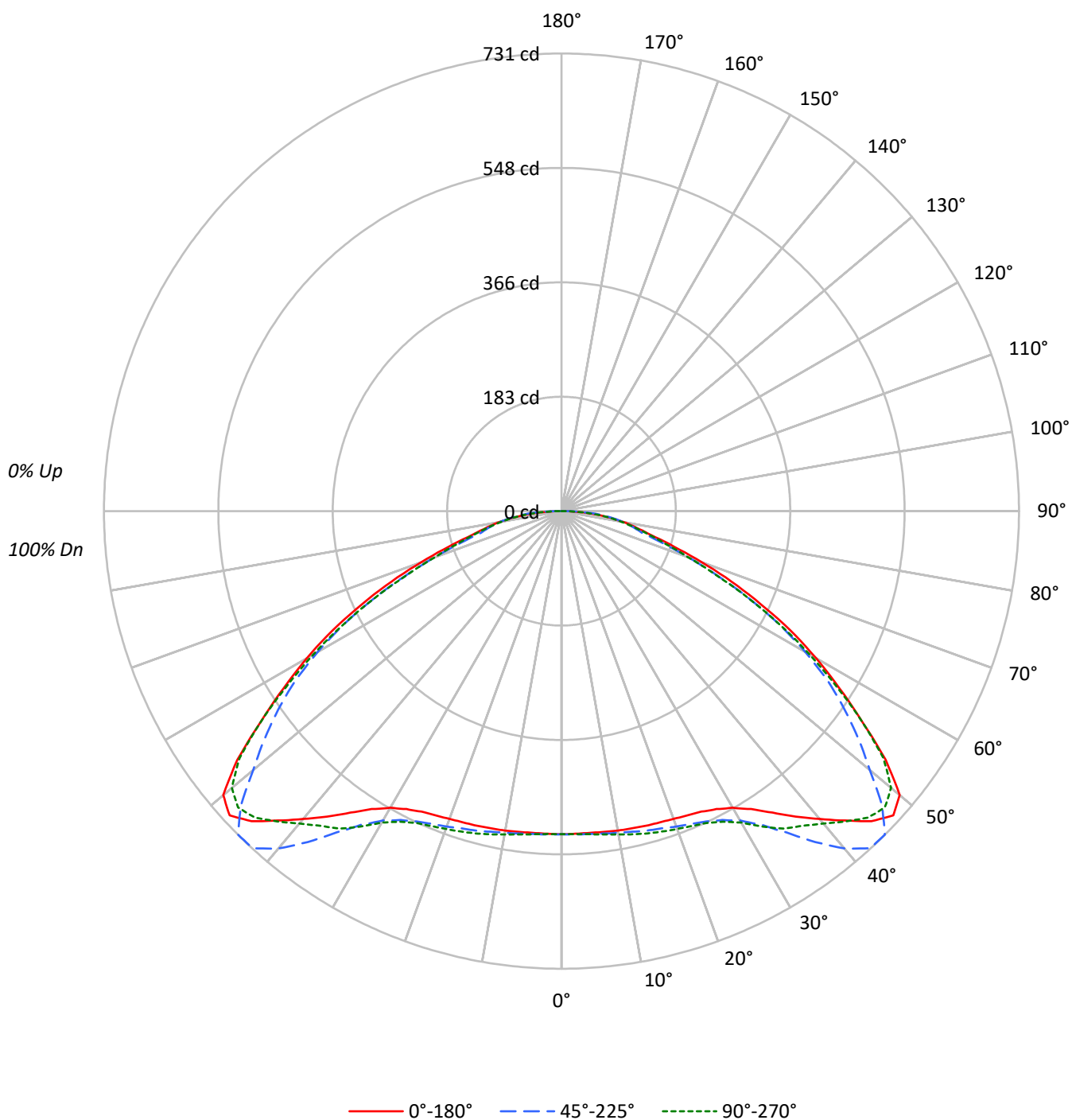
Lumens per Lamp: N/A
Luminaire Lumens: 2442.4 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.9
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: P1527251

CATALOG NUMBER: 22CGSB-20-A125-L940

Luminous Intensity Polar Plot



CATALOG NUMBER: 22CGSB-20-A125-L940

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82						
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67						
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55						
4	80	67	58	51	78	66	57	50	63	55	49	61	54	49	58	53	48	46						
5	73	59	49	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38						
6	67	52	43	36	65	52	42	36	50	42	36	48	41	35	46	40	35	33						
7	61	47	38	31	60	46	37	31	45	37	31	43	36	30	42	35	30	28						
8	57	42	33	27	55	42	33	27	40	32	27	39	32	27	38	31	26	24						
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	23	21						
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	25	21	19						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1389	1389	1389
5°	1393	1398	1400
10°	1416	1426	1433
15°	1450	1472	1484
20°	1498	1535	1547
25°	1572	1624	1631
30°	1700	1773	1785
35°	1931	2058	2034
40°	2254	2471	2288
45°	2665	2781	2635
50°	2953	2690	2878
55°	2753	2591	2751
60°	2527	2418	2463
65°	2236	2109	2106
70°	1873	1688	1692
75°	1540	1382	1492
80°	1565	1559	1494
85°	1538	1853	1565

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2953 cd/sqm

TEST NUMBER: P1527251

CATALOG NUMBER: 22CGSB-20-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	2.0
10°-20°	149.7	6.1
20°-30°	253.1	10.4
30°-40°	389.2	15.9
40°-50°	540.8	22.1
50°-60°	509.1	20.8
60°-70°	336.2	13.8
70°-80°	156.2	6.4
80°-90°	58.5	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°	452.3	18.5
0°-40°	841.5	34.5
0°-60°	1891.4	77.4
0°-90°	2442.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2442.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	516	517	518	518	518	49
15°	520	523	528	532	533	148
25°	530	536	547	550	549	246
35°	588	608	626	624	619	372
45°	700	725	731	713	692	536
55°	587	578	552	571	586	526
65°	351	348	331	336	331	349
75°	148	142	133	137	144	166
85°	50	57	60	58	51	54
90°	0	0	0	0	0	

TEST NUMBER: P1527251

CATALOG NUMBER: 22CGSB-20-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	516.2	516.2	516.2	516.2	516.2
2.5°	515.8	516.7	517.1	517.6	516.2
5°	515.8	517.1	517.6	518.5	518.1
7.5°	516.7	518.1	519.4	520.4	520.8
10°	518.1	519.4	521.7	524.5	524.5
12.5°	519.0	521.3	524.5	528.2	528.7
15°	520.4	522.7	528.2	531.9	532.8
17.5°	521.3	525.0	531.4	536.1	536.5
20°	523.1	527.3	536.1	540.2	540.2
22.5°	525.9	531.4	540.7	544.4	544.4
25°	529.6	536.5	547.1	550.4	549.4
27.5°	536.5	544.8	556.3	560.0	559.1
30°	547.1	558.2	570.6	575.3	574.3
32.5°	564.2	578.0	593.7	597.9	597.4
35°	587.7	608.5	626.5	624.2	619.1
37.5°	614.9	645.8	666.1	644.5	633.4
40°	641.7	683.7	703.5	668.4	651.4
42.5°	670.3	713.2	730.3	696.1	672.1
45°	700.3	725.2	730.7	713.2	692.4
47.5°	719.2	706.3	694.3	704.9	700.7
50°	705.4	662.0	642.6	662.9	687.4
52.5°	652.8	620.9	598.3	617.2	648.2
55°	586.8	578.5	552.2	571.1	586.3
57.5°	526.4	532.8	504.2	518.5	520.8
60°	469.6	474.2	449.3	461.3	457.6
62.5°	412.0	412.4	393.0	400.0	394.4
65°	351.1	347.8	331.2	336.3	330.8
67.5°	293.9	286.5	270.8	273.1	268.0
70°	238.0	229.3	214.5	217.7	215.0
72.5°	188.2	181.3	168.4	172.5	175.3
75°	148.1	142.5	132.9	137.0	143.5
77.5°	122.7	115.8	116.7	113.9	118.6
80°	101.0	96.9	100.6	97.8	96.4
82.5°	75.2	79.3	80.7	82.1	75.2
85°	49.8	57.2	60.0	58.1	50.7
87.5°	24.4	30.9	31.8	31.4	26.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527251

CATALOG NUMBER: 22CGSB-20-A125-L940

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	16.4	18.1	16.7	18.4	18.7	16.2	17.9	16.6	18.3	18.6
	3H	17.6	19.2	18.0	19.6	19.9	17.4	18.9	17.7	19.3	19.6
	4H	18.0	19.5	18.4	19.9	20.2	17.7	19.2	18.1	19.6	20.0
	6H	18.4	19.8	18.8	20.1	20.5	18.1	19.5	18.5	19.9	20.2
	8H	18.5	19.9	18.9	20.2	20.6	18.3	19.6	18.7	20.0	20.4
	12H	18.6	19.9	19.1	20.3	20.7	18.4	19.7	18.8	20.1	20.5
4H	2H	16.8	18.3	17.2	18.7	19.0	16.7	18.2	17.1	18.5	18.9
	3H	18.3	19.5	18.7	19.9	20.3	18.0	19.3	18.4	19.7	20.1
	4H	18.8	19.9	19.2	20.3	20.7	18.5	19.6	18.9	20.0	20.5
	6H	19.2	20.2	19.7	20.7	21.1	19.0	20.0	19.4	20.4	20.9
	8H	19.4	20.4	19.9	20.8	21.3	19.2	20.2	19.7	20.6	21.1
	12H	19.6	20.5	20.1	20.9	21.4	19.4	20.3	19.9	20.7	21.2
8H	4H	18.9	19.9	19.4	20.3	20.8	18.7	19.6	19.2	20.1	20.5
	6H	19.5	20.3	20.0	20.8	21.3	19.3	20.1	19.8	20.6	21.1
	8H	19.9	20.6	20.4	21.1	21.5	19.7	20.4	20.2	20.9	21.4
	12H	20.2	20.8	20.7	21.3	21.8	20.0	20.6	20.5	21.1	21.7
12H	4H	19.0	19.8	19.4	20.3	20.8	18.7	19.6	19.2	20.1	20.5
	6H	19.6	20.3	20.1	20.8	21.3	19.4	20.1	19.9	20.6	21.1
	8H	20.0	20.6	20.5	21.1	21.7	19.8	20.4	20.3	20.9	21.5













(END OF REPORT)