

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: P1527245

Luminaire Tested: 22CGSB-20-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527245
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

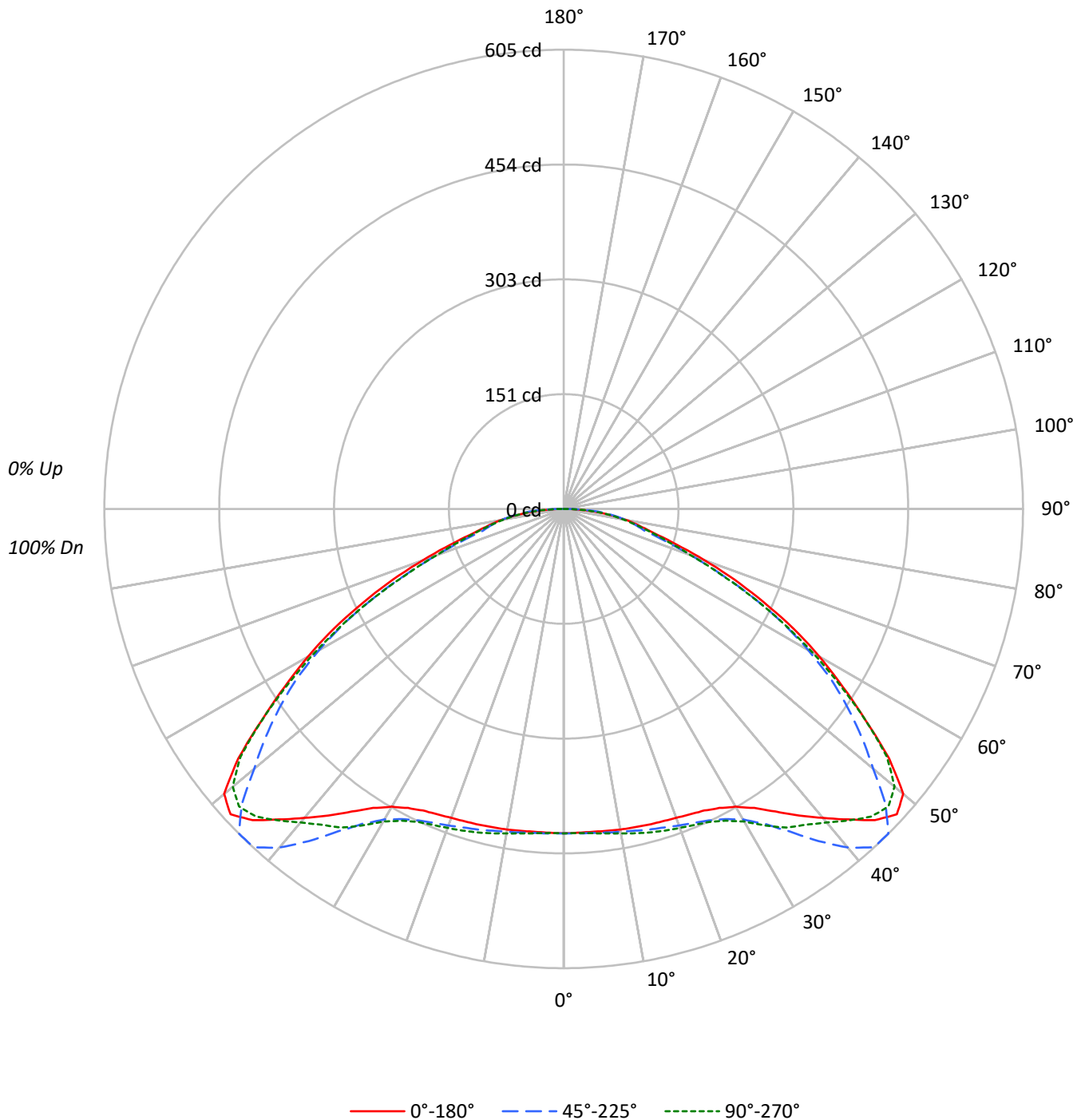
Lumens per Lamp: N/A
Luminaire Lumens: 2021.5 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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			
RC	80				70				50				30				10			
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	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°	1150	1150	1150
5°	1153	1157	1158
10°	1172	1180	1186
15°	1200	1218	1229
20°	1240	1271	1280
25°	1301	1344	1350
30°	1407	1468	1477
35°	1598	1703	1683
40°	1866	2046	1894
45°	2206	2302	2181
50°	2444	2227	2382
55°	2279	2144	2277
60°	2092	2002	2039
65°	1850	1745	1743
70°	1550	1397	1400
75°	1275	1144	1234
80°	1296	1289	1237
85°	1272	1531	1297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	2.0
10°-20°	123.9	6.1
20°-30°	209.5	10.4
30°-40°	322.1	15.9
40°-50°	447.6	22.1
50°-60°	421.4	20.8
60°-70°	278.3	13.8
70°-80°	129.3	6.4
80°-90°	48.4	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°	374.4	18.5
0°-40°	696.5	34.5
0°-60°	1565.5	77.4
0°-90°	2021.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2021.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	427	427	427	427	427	
5°	427	428	428	429	429	41
15°	431	433	437	440	441	122
25°	438	444	453	456	455	204
35°	486	504	518	517	512	308
45°	580	600	605	590	573	443
55°	486	479	457	473	485	435
65°	291	288	274	278	274	289
75°	123	118	110	113	119	137
85°	41	47	50	48	42	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	427.3	427.3	427.3	427.3	427.3
2.5°	426.9	427.6	428.0	428.4	427.3
5°	426.9	428.0	428.4	429.2	428.8
7.5°	427.6	428.8	429.9	430.7	431.1
10°	428.8	429.9	431.8	434.1	434.1
12.5°	429.5	431.5	434.1	437.2	437.6
15°	430.7	432.6	437.2	440.2	441.0
17.5°	431.5	434.5	439.9	443.7	444.1
20°	433.0	436.4	443.7	447.1	447.1
22.5°	435.3	439.9	447.5	450.5	450.5
25°	438.3	444.1	452.8	455.5	454.7
27.5°	444.1	450.9	460.5	463.5	462.8
30°	452.8	462.0	472.3	476.1	475.4
32.5°	467.0	478.4	491.4	494.8	494.5
35°	486.4	503.6	518.5	516.6	512.4
37.5°	509.0	534.5	551.3	533.4	524.2
40°	531.1	565.9	582.3	553.3	539.1
42.5°	554.8	590.3	604.4	576.2	556.3
45°	579.6	600.2	604.8	590.3	573.1
47.5°	595.3	584.6	574.6	583.4	580.0
50°	583.8	547.9	531.9	548.7	568.9
52.5°	540.3	513.9	495.2	510.9	536.5
55°	485.7	478.8	457.0	472.7	485.3
57.5°	435.7	441.0	417.3	429.2	431.1
60°	388.7	392.5	371.9	381.8	378.8
62.5°	341.0	341.3	325.3	331.0	326.5
65°	290.6	287.9	274.1	278.3	273.8
67.5°	243.2	237.1	224.1	226.0	221.8
70°	197.0	189.8	177.5	180.2	177.9
72.5°	155.8	150.1	139.4	142.8	145.1
75°	122.6	118.0	110.0	113.4	118.7
77.5°	101.6	95.8	96.6	94.3	98.1
80°	83.6	80.2	83.2	80.9	79.8
82.5°	62.2	65.7	66.8	68.0	62.2
85°	41.2	47.3	49.6	48.1	42.0
87.5°	20.2	25.6	26.3	26.0	21.8
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	15.7	17.5	16.1	17.8	18.1	15.5	17.3	15.9	17.6	17.9
	3H	17.0	18.6	17.4	18.9	19.3	16.7	18.3	17.1	18.6	19.0
	4H	17.4	18.9	17.8	19.2	19.6	17.1	18.6	17.5	18.9	19.3
	6H	17.7	19.1	18.1	19.5	19.9	17.4	18.8	17.9	19.2	19.6
	8H	17.9	19.2	18.3	19.6	20.0	17.6	18.9	18.0	19.3	19.7
	12H	18.0	19.3	18.4	19.6	20.1	17.7	19.0	18.2	19.4	19.8
4H	2H	16.2	17.7	16.6	18.0	18.4	16.0	17.5	16.4	17.9	18.2
	3H	17.6	18.9	18.0	19.2	19.6	17.4	18.6	17.8	19.0	19.4
	4H	18.1	19.2	18.5	19.6	20.1	17.8	19.0	18.3	19.4	19.8
	6H	18.6	19.6	19.0	20.0	20.5	18.3	19.3	18.8	19.8	20.2
	8H	18.8	19.7	19.2	20.2	20.6	18.6	19.5	19.0	19.9	20.4
	12H	19.0	19.8	19.5	20.3	20.8	18.8	19.6	19.3	20.1	20.6
8H	4H	18.3	19.2	18.7	19.7	20.1	18.1	19.0	18.5	19.4	19.9
	6H	18.9	19.7	19.4	20.2	20.6	18.7	19.5	19.2	19.9	20.4
	8H	19.2	19.9	19.7	20.4	20.9	19.0	19.7	19.5	20.2	20.7
	12H	19.5	20.1	20.0	20.6	21.2	19.3	20.0	19.8	20.5	21.0
12H	4H	18.3	19.2	18.8	19.6	20.1	18.1	18.9	18.6	19.4	19.9
	6H	19.0	19.7	19.5	20.1	20.7	18.8	19.5	19.3	19.9	20.5
	8H	19.3	20.0	19.8	20.4	21.0	19.2	19.8	19.7	20.3	20.8













(END OF REPORT)