

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: P1527246

Luminaire Tested: 22CGSB-20-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527246
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

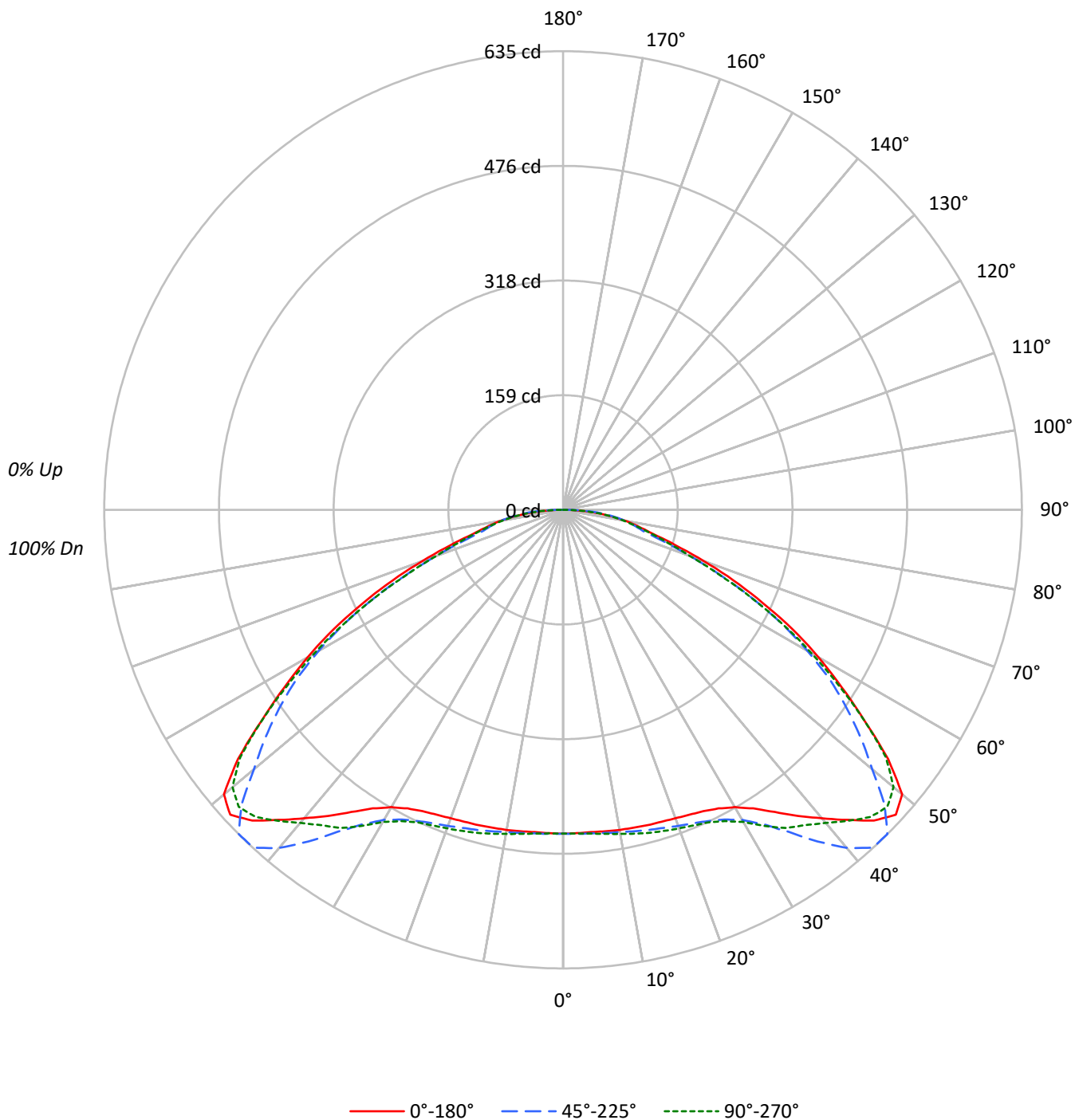
Lumens per Lamp: N/A
Luminaire Lumens: 2121.7 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 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				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	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°	1207	1207	1207
5°	1210	1214	1216
10°	1230	1238	1245
15°	1259	1278	1290
20°	1301	1334	1344
25°	1366	1411	1417
30°	1477	1540	1550
35°	1677	1788	1767
40°	1958	2147	1988
45°	2315	2416	2289
50°	2565	2337	2500
55°	2392	2251	2390
60°	2196	2101	2139
65°	1942	1832	1829
70°	1627	1466	1469
75°	1337	1200	1295
80°	1361	1354	1299
85°	1337	1609	1362

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	2.0
10°-20°	130.0	6.1
20°-30°	219.9	10.4
30°-40°	338.1	15.9
40°-50°	469.8	22.1
50°-60°	442.3	20.8
60°-70°	292.1	13.8
70°-80°	135.7	6.4
80°-90°	50.8	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°	392.9	18.5
0°-40°	731.0	34.5
0°-60°	1643.1	77.4
0°-90°	2121.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2121.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	448	449	450	450	450	43
15°	452	454	459	462	463	128
25°	460	466	475	478	477	214
35°	511	529	544	542	538	323
45°	608	630	635	620	602	465
55°	510	502	480	496	509	457
65°	305	302	288	292	287	303
75°	129	124	115	119	125	144
85°	43	50	52	50	44	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	448.4	448.4	448.4	448.4	448.4
2.5°	448.0	448.8	449.2	449.6	448.4
5°	448.0	449.2	449.6	450.4	450.0
7.5°	448.8	450.0	451.2	452.0	452.4
10°	450.0	451.2	453.2	455.7	455.7
12.5°	450.8	452.8	455.7	458.9	459.3
15°	452.0	454.0	458.9	462.1	462.9
17.5°	452.8	456.1	461.7	465.7	466.1
20°	454.4	458.1	465.7	469.3	469.3
22.5°	456.9	461.7	469.7	472.9	472.9
25°	460.1	466.1	475.3	478.1	477.3
27.5°	466.1	473.3	483.3	486.5	485.7
30°	475.3	484.9	495.7	499.7	498.9
32.5°	490.1	502.1	515.8	519.4	519.0
35°	510.6	528.6	544.2	542.2	537.8
37.5°	534.2	561.0	578.7	559.8	550.2
40°	557.4	593.9	611.1	580.7	565.9
42.5°	582.3	619.6	634.4	604.7	583.9
45°	608.3	630.0	634.8	619.6	601.5
47.5°	624.8	613.5	603.1	612.3	608.7
50°	612.7	575.1	558.2	575.9	597.1
52.5°	567.1	539.4	519.8	536.2	563.1
55°	509.8	502.5	479.7	496.1	509.4
57.5°	457.3	462.9	438.0	450.4	452.4
60°	408.0	412.0	390.3	400.7	397.5
62.5°	357.9	358.3	341.4	347.4	342.6
65°	305.0	302.2	287.7	292.1	287.3
67.5°	255.3	248.9	235.2	237.2	232.8
70°	206.8	199.2	186.3	189.2	186.7
72.5°	163.5	157.5	146.3	149.9	152.3
75°	128.6	123.8	115.4	119.0	124.6
77.5°	106.6	100.6	101.4	99.0	103.0
80°	87.8	84.2	87.4	85.0	83.8
82.5°	65.3	68.9	70.1	71.3	65.3
85°	43.3	49.7	52.1	50.5	44.1
87.5°	21.2	26.9	27.7	27.3	22.8
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	15.9	17.6	16.2	17.9	18.3	15.7	17.5	16.1	17.8	18.1
	3H	17.2	18.7	17.5	19.1	19.4	16.9	18.5	17.2	18.8	19.1
	4H	17.5	19.0	17.9	19.4	19.8	17.3	18.8	17.7	19.1	19.5
	6H	17.9	19.3	18.3	19.6	20.0	17.6	19.0	18.0	19.4	19.8
	8H	18.0	19.4	18.5	19.8	20.1	17.8	19.1	18.2	19.5	19.9
	12H	18.2	19.4	18.6	19.8	20.2	17.9	19.2	18.3	19.6	20.0
4H	2H	16.3	17.8	16.7	18.2	18.5	16.2	17.7	16.6	18.0	18.4
	3H	17.8	19.0	18.2	19.4	19.8	17.5	18.8	17.9	19.2	19.6
	4H	18.3	19.4	18.7	19.8	20.2	18.0	19.1	18.4	19.6	20.0
	6H	18.7	19.7	19.2	20.2	20.6	18.5	19.5	19.0	19.9	20.4
	8H	19.0	19.9	19.4	20.3	20.8	18.7	19.7	19.2	20.1	20.6
	12H	19.1	20.0	19.6	20.5	20.9	18.9	19.8	19.4	20.3	20.7
8H	4H	18.4	19.4	18.9	19.8	20.3	18.2	19.2	18.7	19.6	20.1
	6H	19.1	19.8	19.5	20.3	20.8	18.9	19.6	19.3	20.1	20.6
	8H	19.4	20.1	19.9	20.6	21.1	19.2	19.9	19.7	20.4	20.9
	12H	19.7	20.3	20.2	20.8	21.3	19.5	20.1	20.0	20.6	21.2
12H	4H	18.5	19.3	19.0	19.8	20.3	18.3	19.1	18.7	19.6	20.0
	6H	19.1	19.8	19.7	20.3	20.8	18.9	19.6	19.5	20.1	20.6
	8H	19.5	20.1	20.0	20.6	21.2	19.3	20.0	19.8	20.4	21.0















(END OF REPORT)