

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: P1527249

Luminaire Tested: 22CGSB-20-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527249
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

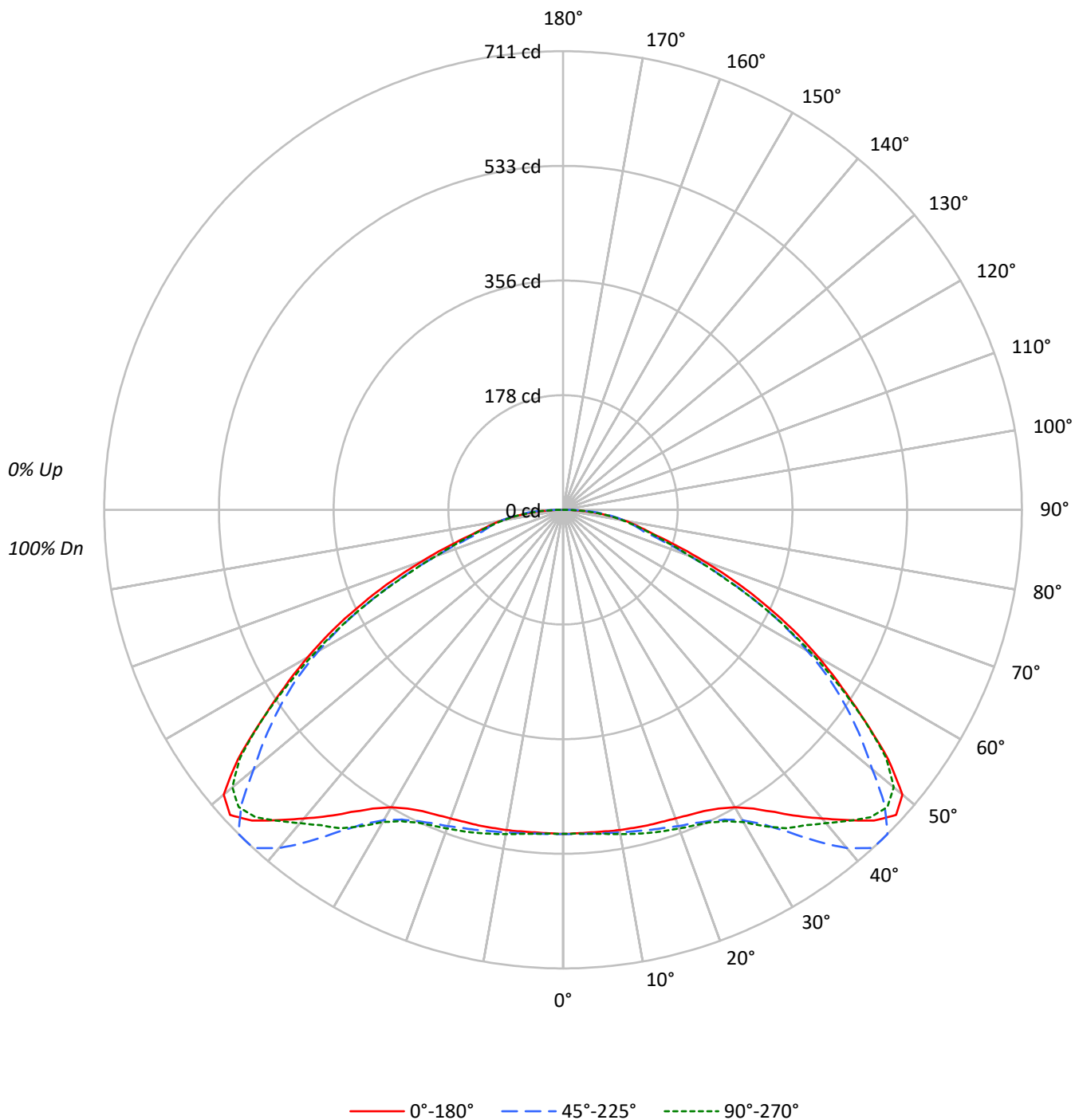
Lumens per Lamp: N/A
Luminaire Lumens: 2376.8 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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°	1352	1352	1352
5°	1356	1361	1362
10°	1377	1387	1395
15°	1411	1432	1444
20°	1458	1494	1505
25°	1530	1581	1588
30°	1654	1725	1737
35°	1879	2003	1979
40°	2194	2405	2227
45°	2594	2706	2564
50°	2874	2618	2800
55°	2679	2521	2677
60°	2460	2354	2397
65°	2175	2052	2050
70°	1822	1643	1646
75°	1498	1344	1451
80°	1523	1517	1454
85°	1497	1803	1525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2874 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	2.0
10°-20°	145.7	6.1
20°-30°	246.3	10.4
30°-40°	378.7	15.9
40°-50°	526.3	22.1
50°-60°	495.4	20.8
60°-70°	327.2	13.8
70°-80°	152.1	6.4
80°-90°	56.9	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°	440.2	18.5
0°-40°	818.9	34.5
0°-60°	1840.6	77.4
0°-90°	2376.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	502	502	502	502	502	
5°	502	503	504	505	504	48
15°	506	509	514	518	518	144
25°	515	522	532	536	535	240
35°	572	592	610	607	602	362
45°	682	706	711	694	674	521
55°	571	563	537	556	571	512
65°	342	338	322	327	322	339
75°	144	139	129	133	140	161
85°	48	56	58	57	49	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	502.4	502.4	502.4	502.4	502.4
2.5°	501.9	502.8	503.2	503.7	502.4
5°	501.9	503.2	503.7	504.6	504.1
7.5°	502.8	504.1	505.5	506.4	506.8
10°	504.1	505.5	507.7	510.4	510.4
12.5°	505.0	507.3	510.4	514.0	514.5
15°	506.4	508.6	514.0	517.6	518.5
17.5°	507.3	510.9	517.2	521.7	522.1
20°	509.1	513.1	521.7	525.7	525.7
22.5°	511.8	517.2	526.1	529.7	529.7
25°	515.4	522.1	532.4	535.6	534.7
27.5°	522.1	530.2	541.4	545.0	544.1
30°	532.4	543.2	555.3	559.8	558.9
32.5°	549.0	562.5	577.8	581.8	581.4
35°	571.9	592.1	609.6	607.4	602.5
37.5°	598.4	628.5	648.3	627.2	616.4
40°	624.5	665.3	684.6	650.5	633.9
42.5°	652.3	694.0	710.7	677.4	654.1
45°	681.5	705.7	711.1	694.0	673.8
47.5°	699.9	687.3	675.6	686.0	681.9
50°	686.4	644.2	625.4	645.1	668.9
52.5°	635.2	604.3	582.3	600.7	630.7
55°	571.0	563.0	537.4	555.8	570.6
57.5°	512.2	518.5	490.7	504.6	506.8
60°	457.0	461.5	437.3	448.9	445.3
62.5°	400.9	401.3	382.5	389.2	383.8
65°	341.6	338.5	322.3	327.3	321.9
67.5°	286.0	278.8	263.5	265.8	260.8
70°	231.6	223.1	208.8	211.9	209.2
72.5°	183.2	176.4	163.9	167.9	170.6
75°	144.1	138.7	129.3	133.3	139.6
77.5°	119.4	112.7	113.6	110.9	115.4
80°	98.3	94.3	97.9	95.2	93.8
82.5°	73.2	77.2	78.6	79.9	73.2
85°	48.5	55.7	58.4	56.6	49.4
87.5°	23.8	30.1	31.0	30.5	25.6
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	16.3	18.0	16.6	18.3	18.7	16.1	17.9	16.5	18.2	18.5
	3H	17.5	19.1	17.9	19.5	19.8	17.3	18.9	17.6	19.2	19.5
	4H	17.9	19.4	18.3	19.8	20.1	17.7	19.2	18.1	19.5	19.9
	6H	18.3	19.7	18.7	20.0	20.4	18.0	19.4	18.4	19.8	20.1
	8H	18.4	19.8	18.9	20.1	20.5	18.2	19.5	18.6	19.9	20.3
	12H	18.5	19.8	19.0	20.2	20.6	18.3	19.6	18.7	20.0	20.4
4H	2H	16.7	18.2	17.1	18.6	18.9	16.6	18.1	17.0	18.4	18.8
	3H	18.2	19.4	18.6	19.8	20.2	17.9	19.2	18.3	19.6	20.0
	4H	18.7	19.8	19.1	20.2	20.6	18.4	19.5	18.8	20.0	20.4
	6H	19.1	20.1	19.6	20.6	21.0	18.9	19.9	19.4	20.3	20.8
	8H	19.3	20.3	19.8	20.7	21.2	19.1	20.1	19.6	20.5	21.0
	12H	19.5	20.4	20.0	20.9	21.3	19.3	20.2	19.8	20.7	21.1
8H	4H	18.8	19.8	19.3	20.2	20.7	18.6	19.5	19.1	20.0	20.5
	6H	19.5	20.2	19.9	20.7	21.2	19.2	20.0	19.7	20.5	21.0
	8H	19.8	20.5	20.3	21.0	21.4	19.6	20.3	20.1	20.8	21.3
	12H	20.1	20.7	20.6	21.2	21.7	19.9	20.5	20.4	21.0	21.6
12H	4H	18.9	19.7	19.4	20.2	20.7	18.7	19.5	19.1	20.0	20.4
	6H	19.5	20.2	20.0	20.7	21.2	19.3	20.0	19.8	20.5	21.0
	8H	19.9	20.5	20.4	21.0	21.6	19.7	20.4	20.2	20.8	21.4













(END OF REPORT)