

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: P1584072

Luminaire Tested: 14CGSB-20-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584072
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-20-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

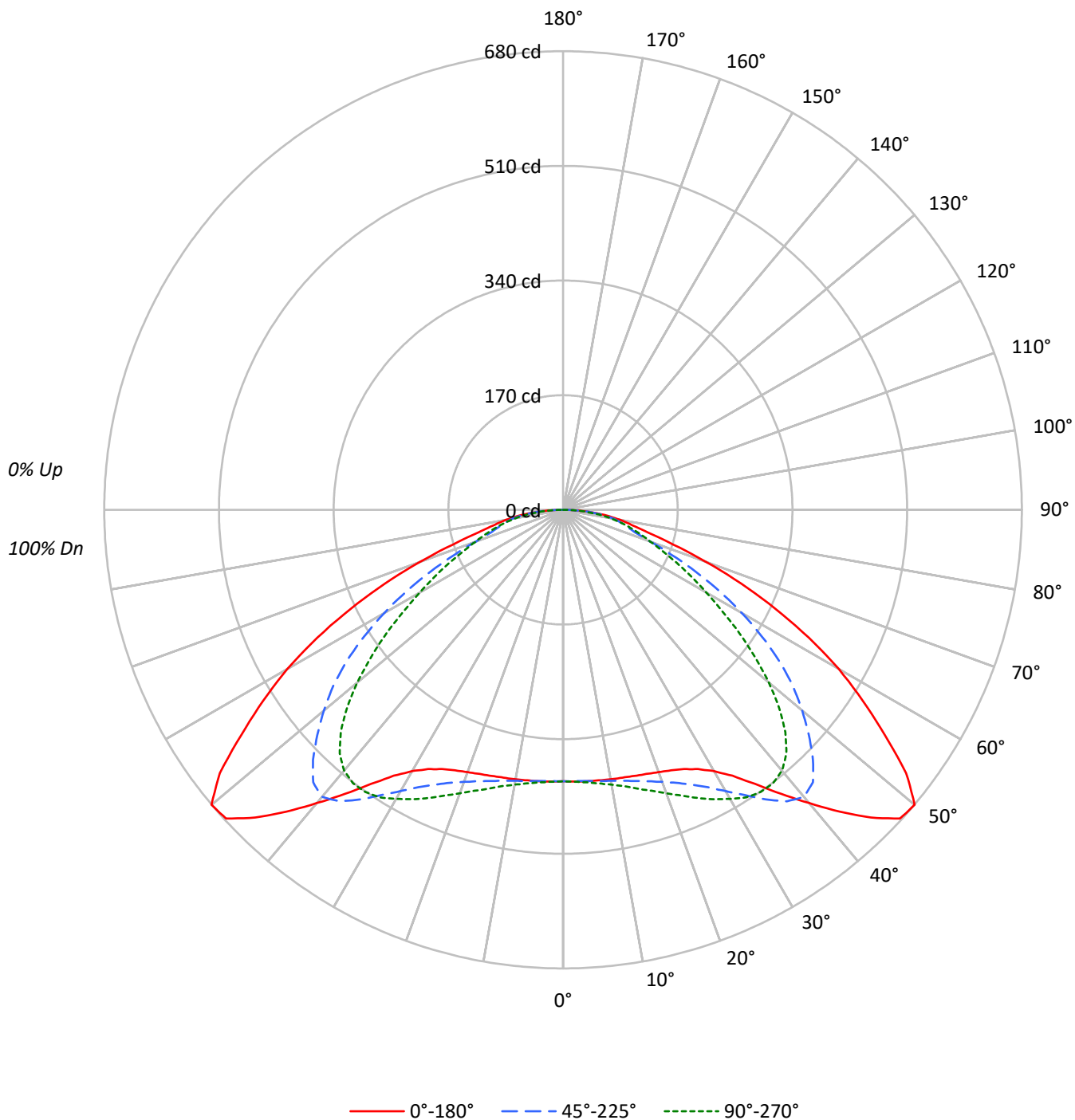
Lumens per Lamp: N/A
Luminaire Lumens: 1885.3 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
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	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°	1083	1083	1083
5°	1091	1090	1096
10°	1109	1115	1131
15°	1138	1159	1192
20°	1185	1229	1280
25°	1259	1335	1399
30°	1389	1496	1537
35°	1629	1721	1678
40°	1994	1952	1774
45°	2455	1994	1773
50°	2848	1936	1666
55°	2731	1836	1498
60°	2538	1647	1319
65°	2211	1380	1182
70°	1769	1084	1084
75°	1357	1028	1077
80°	1331	1187	1097
85°	1337	1315	1074

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	2.1
10°-20°	118.8	6.3
20°-30°	209.1	11.1
30°-40°	324.0	17.2
40°-50°	412.7	21.9
50°-60°	375.5	19.9
60°-70°	243.5	12.9
70°-80°	118.4	6.3
80°-90°	44.4	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°	366.7	19.5
0°-40°	690.7	36.6
0°-60°	1478.9	78.4
0°-90°	1885.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1885.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	402	402	402	402	402	
5°	404	404	404	404	406	39
15°	408	411	416	424	428	116
25°	424	433	450	466	471	198
35°	496	517	524	515	511	316
45°	645	606	524	478	466	496
55°	582	511	391	337	319	520
65°	347	308	217	188	186	344
75°	130	120	99	94	104	148
85°	43	47	43	39	35	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	402.5	402.5	402.5	402.5	402.5
2.5°	403.3	403.8	402.5	402.8	403.5
5°	404.0	404.5	403.5	404.2	405.7
7.5°	404.5	405.5	405.5	407.2	409.1
10°	405.7	406.7	407.9	411.3	413.8
12.5°	406.7	408.4	411.3	417.0	419.7
15°	408.4	411.1	416.2	424.1	428.0
17.5°	410.6	414.5	421.9	432.2	436.8
20°	413.8	418.9	429.2	441.5	447.1
22.5°	418.0	424.8	438.0	452.5	458.6
25°	424.1	432.9	449.5	465.5	471.3
27.5°	433.4	444.4	463.5	479.4	483.8
30°	447.1	460.8	481.4	492.4	494.8
32.5°	467.4	485.0	501.4	505.1	505.6
35°	495.8	517.4	524.0	515.4	510.7
37.5°	530.6	554.6	544.8	519.3	511.0
40°	567.6	587.1	555.6	516.1	504.9
42.5°	606.7	605.7	548.2	502.2	489.9
45°	645.2	605.5	524.0	478.2	465.9
47.5°	677.5	587.1	493.9	448.6	434.1
50°	680.2	563.1	462.5	412.6	397.9
52.5°	641.0	539.4	429.5	375.3	358.5
55°	582.2	510.7	391.3	337.2	319.3
57.5°	526.7	473.3	349.6	297.7	280.1
60°	471.6	425.1	306.1	259.5	245.1
62.5°	410.6	369.0	261.5	221.6	214.0
65°	347.2	307.5	216.7	187.8	185.6
67.5°	285.7	249.3	173.8	156.0	158.7
70°	224.8	196.9	137.8	133.7	137.8
72.5°	170.9	155.2	112.1	113.1	120.0
75°	130.5	119.5	98.9	94.3	103.6
77.5°	104.5	97.4	87.7	80.8	87.7
80°	85.9	84.2	76.6	68.6	70.8
82.5°	64.9	66.1	60.2	56.1	53.4
85°	43.3	47.3	42.6	38.9	34.8
87.5°	21.8	26.4	22.5	20.1	17.9
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	16.6	18.4	17.0	18.7	19.0	13.2	14.9	13.6	15.2	15.5
	3H	17.9	19.5	18.3	19.8	20.2	14.5	16.0	14.8	16.4	16.7
	4H	18.3	19.7	18.7	20.1	20.5	15.0	16.5	15.4	16.9	17.2
	6H	18.6	19.9	19.0	20.3	20.7	15.6	17.0	16.0	17.3	17.7
	8H	18.7	20.0	19.1	20.4	20.8	15.8	17.1	16.2	17.5	17.9
	12H	18.8	20.1	19.2	20.4	20.9	16.0	17.2	16.4	17.6	18.0
4H	2H	16.8	18.3	17.2	18.6	19.0	13.8	15.3	14.2	15.7	16.0
	3H	18.3	19.5	18.7	19.9	20.3	15.3	16.5	15.7	16.9	17.3
	4H	18.7	19.9	19.2	20.3	20.7	16.0	17.1	16.4	17.5	17.9
	6H	19.2	20.2	19.6	20.6	21.1	16.7	17.6	17.1	18.1	18.5
	8H	19.4	20.3	19.9	20.7	21.2	17.0	17.9	17.4	18.3	18.8
	12H	19.6	20.4	20.1	20.9	21.3	17.2	18.0	17.7	18.5	19.0
8H	4H	18.8	19.8	19.3	20.2	20.7	16.3	17.2	16.8	17.7	18.1
	6H	19.4	20.2	19.9	20.7	21.1	17.2	17.9	17.6	18.4	18.9
	8H	19.7	20.4	20.2	20.9	21.4	17.6	18.3	18.1	18.8	19.2
	12H	20.0	20.6	20.5	21.1	21.7	17.9	18.5	18.4	19.0	19.6
12H	4H	18.9	19.7	19.3	20.2	20.6	16.4	17.2	16.9	17.7	18.2
	6H	19.5	20.2	20.0	20.6	21.2	17.3	18.0	17.8	18.4	19.0
	8H	19.8	20.4	20.3	20.9	21.5	17.8	18.4	18.3	18.9	19.4













(END OF REPORT)