

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: P1584076

Luminaire Tested: 14CGSB-20-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584076
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

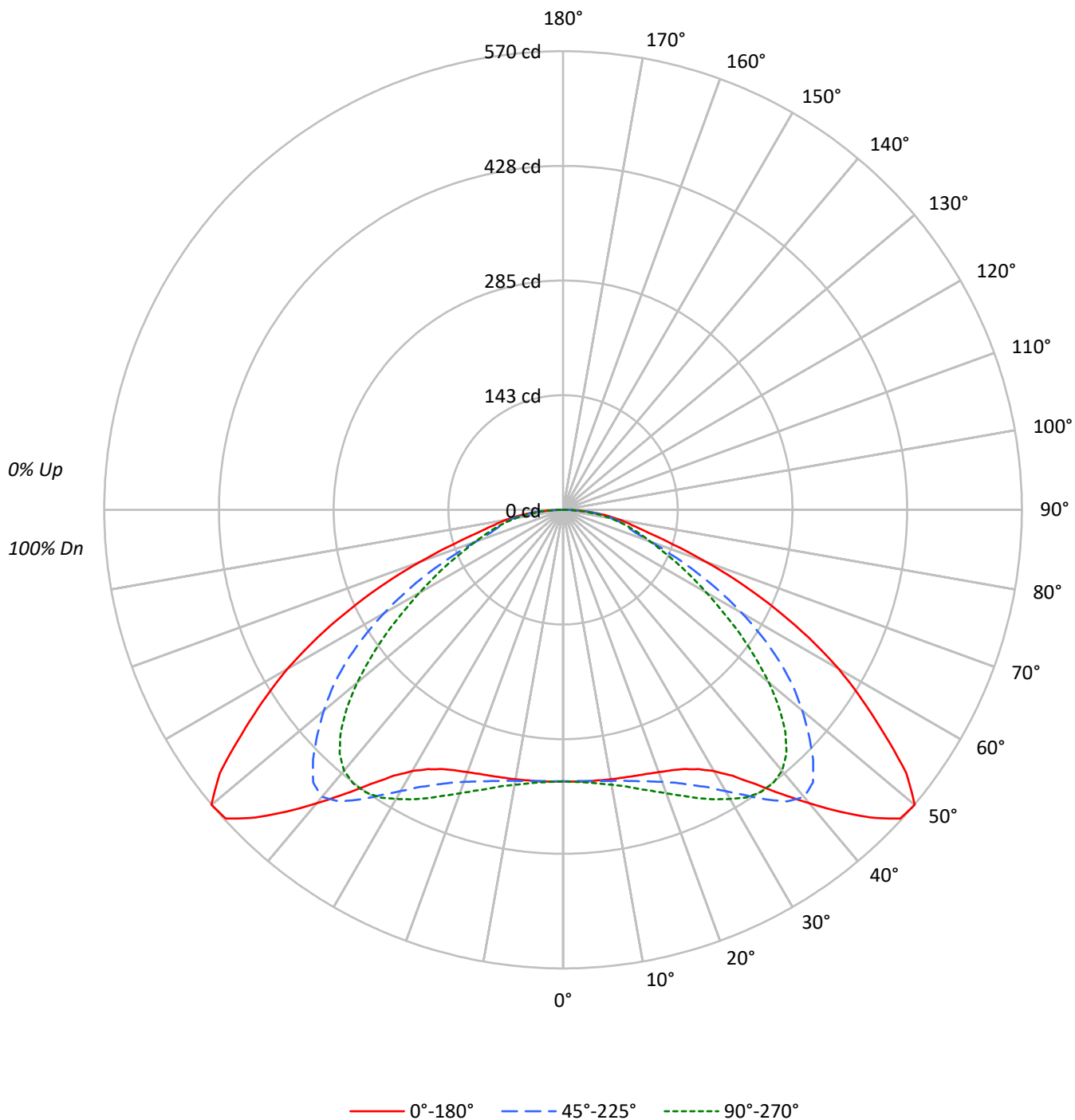
Lumens per Lamp: N/A
Luminaire Lumens: 1580.5 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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°	908	908	908
5°	915	914	919
10°	929	935	948
15°	954	972	1000
20°	993	1030	1073
25°	1056	1119	1173
30°	1165	1254	1289
35°	1366	1443	1407
40°	1671	1636	1487
45°	2058	1672	1486
50°	2388	1623	1397
55°	2290	1539	1256
60°	2128	1381	1106
65°	1854	1157	991
70°	1482	910	910
75°	1137	862	902
80°	1117	996	919
85°	1121	1102	898

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	2.1
10°-20°	99.6	6.3
20°-30°	175.3	11.1
30°-40°	271.6	17.2
40°-50°	346.0	21.9
50°-60°	314.8	19.9
60°-70°	204.2	12.9
70°-80°	99.3	6.3
80°-90°	37.2	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°	307.4	19.5
0°-40°	579.0	36.6
0°-60°	1239.9	78.4
0°-90°	1580.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	339	339	338	339	340	32
15°	342	345	349	356	359	97
25°	356	363	377	390	395	166
35°	416	434	439	432	428	265
45°	541	508	439	401	391	416
55°	488	428	328	283	268	436
65°	291	258	182	157	156	288
75°	109	100	83	79	87	124
85°	36	40	36	33	29	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	337.5	337.5	337.5	337.5	337.5
2.5°	338.1	338.5	337.5	337.7	338.3
5°	338.7	339.1	338.3	338.9	340.1
7.5°	339.1	339.9	339.9	341.4	343.0
10°	340.1	341.0	342.0	344.9	346.9
12.5°	341.0	342.4	344.9	349.6	351.8
15°	342.4	344.7	349.0	355.5	358.8
17.5°	344.2	347.5	353.7	362.3	366.2
20°	346.9	351.2	359.8	370.1	374.8
22.5°	350.4	356.2	367.2	379.3	384.5
25°	355.5	362.9	376.9	390.2	395.2
27.5°	363.3	372.6	388.6	401.9	405.6
30°	374.8	386.3	403.6	412.8	414.9
32.5°	391.9	406.6	420.4	423.5	423.9
35°	415.7	433.7	439.3	432.1	428.2
37.5°	444.8	464.9	456.7	435.4	428.4
40°	475.8	492.2	465.8	432.7	423.3
42.5°	508.7	507.9	459.6	421.0	410.8
45°	540.9	507.6	439.3	400.9	390.6
47.5°	568.0	492.2	414.0	376.1	364.0
50°	570.3	472.1	387.8	345.9	333.6
52.5°	537.4	452.2	360.1	314.7	300.5
55°	488.1	428.2	328.0	282.7	267.7
57.5°	441.5	396.8	293.1	249.6	234.8
60°	395.4	356.4	256.6	217.6	205.5
62.5°	344.2	309.3	219.2	185.8	179.4
65°	291.1	257.8	181.7	157.4	155.6
67.5°	239.6	209.0	145.7	130.8	133.0
70°	188.4	165.0	115.6	112.1	115.6
72.5°	143.3	130.1	94.0	94.8	100.6
75°	109.4	100.2	82.9	79.0	86.8
77.5°	87.7	81.7	73.5	67.7	73.5
80°	72.1	70.6	64.3	57.5	59.3
82.5°	54.4	55.4	50.5	47.0	44.7
85°	36.3	39.6	35.7	32.6	29.1
87.5°	18.3	22.2	18.9	16.8	15.0
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	16.0	17.8	16.4	18.1	18.4	12.6	14.3	12.9	14.6	14.9
	3H	17.3	18.9	17.7	19.2	19.6	13.9	15.4	14.2	15.7	16.1
	4H	17.7	19.1	18.1	19.5	19.9	14.4	15.9	14.8	16.2	16.6
	6H	18.0	19.3	18.4	19.7	20.1	15.0	16.3	15.4	16.7	17.1
	8H	18.1	19.4	18.5	19.8	20.2	15.2	16.5	15.6	16.9	17.3
	12H	18.2	19.5	18.6	19.8	20.3	15.4	16.6	15.8	17.0	17.4
4H	2H	16.2	17.7	16.6	18.0	18.4	13.2	14.7	13.6	15.1	15.4
	3H	17.6	18.9	18.1	19.3	19.7	14.7	15.9	15.1	16.3	16.7
	4H	18.1	19.2	18.6	19.7	20.1	15.4	16.5	15.8	16.9	17.3
	6H	18.6	19.6	19.0	20.0	20.4	16.0	17.0	16.5	17.5	17.9
	8H	18.8	19.7	19.2	20.1	20.6	16.3	17.3	16.8	17.7	18.2
	12H	19.0	19.8	19.4	20.3	20.7	16.6	17.4	17.1	17.9	18.4
8H	4H	18.2	19.1	18.7	19.6	20.0	15.7	16.6	16.2	17.1	17.5
	6H	18.8	19.6	19.3	20.1	20.5	16.5	17.3	17.0	17.8	18.3
	8H	19.1	19.8	19.6	20.3	20.8	16.9	17.6	17.5	18.1	18.6
	12H	19.4	20.0	19.9	20.5	21.1	17.3	17.9	17.8	18.4	19.0
12H	4H	18.2	19.1	18.7	19.5	20.0	15.8	16.6	16.3	17.1	17.5
	6H	18.9	19.6	19.4	20.0	20.5	16.7	17.4	17.2	17.8	18.4
	8H	19.2	19.8	19.7	20.3	20.9	17.1	17.8	17.6	18.2	18.8













(END OF REPORT)