

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: P1584078

Luminaire Tested: 14CGSB-20-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584078
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

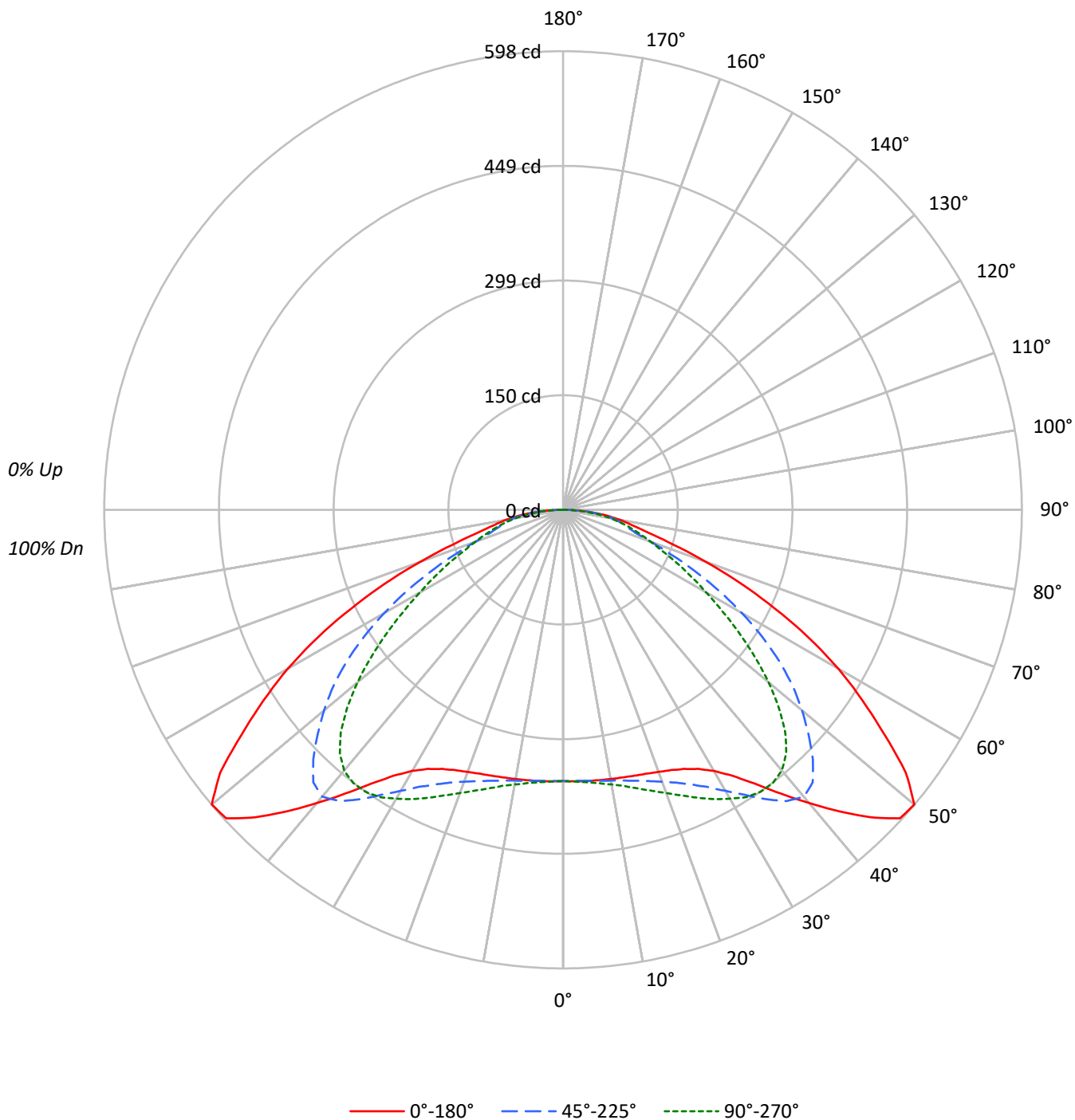
Lumens per Lamp: N/A
Luminaire Lumens: 1656.7 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
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°	952	952	952
5°	959	958	963
10°	974	980	994
15°	1000	1019	1048
20°	1041	1080	1125
25°	1107	1173	1230
30°	1221	1314	1351
35°	1431	1513	1474
40°	1752	1715	1559
45°	2158	1752	1558
50°	2502	1702	1464
55°	2401	1613	1316
60°	2230	1448	1159
65°	1943	1212	1039
70°	1554	953	953
75°	1193	904	946
80°	1170	1043	964
85°	1176	1155	945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 2502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	2.1
10°-20°	104.4	6.3
20°-30°	183.8	11.1
30°-40°	284.7	17.2
40°-50°	362.7	21.9
50°-60°	330.0	19.9
60°-70°	214.0	12.9
70°-80°	104.1	6.3
80°-90°	39.0	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°	322.2	19.5
0°-40°	607.0	36.6
0°-60°	1299.7	78.4
0°-90°	1656.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1656.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	354	354	354	354	354	
5°	355	356	355	355	356	34
15°	359	361	366	373	376	102
25°	373	380	395	409	414	174
35°	436	455	460	453	449	278
45°	567	532	460	420	410	436
55°	512	449	344	296	281	457
65°	305	270	190	165	163	302
75°	115	105	87	83	91	130
85°	38	42	37	34	31	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	353.7	353.7	353.7	353.7	353.7
2.5°	354.4	354.8	353.7	354.0	354.6
5°	355.0	355.5	354.6	355.2	356.5
7.5°	355.5	356.3	356.3	357.8	359.5
10°	356.5	357.4	358.5	361.5	363.6
12.5°	357.4	358.9	361.5	366.4	368.8
15°	358.9	361.3	365.8	372.7	376.1
17.5°	360.8	364.3	370.7	379.8	383.9
20°	363.6	368.2	377.2	387.9	392.9
22.5°	367.3	373.3	384.9	397.6	403.0
25°	372.7	380.4	395.0	409.0	414.2
27.5°	380.8	390.5	407.3	421.3	425.2
30°	392.9	404.9	423.0	432.7	434.9
32.5°	410.8	426.2	440.7	443.9	444.3
35°	435.7	454.6	460.5	452.9	448.8
37.5°	466.3	487.4	478.7	456.4	449.1
40°	498.8	516.0	488.2	453.6	443.7
42.5°	533.2	532.3	481.8	441.3	430.6
45°	567.0	532.1	460.5	420.2	409.5
47.5°	595.4	516.0	434.0	394.2	381.5
50°	597.7	494.9	406.5	362.6	349.6
52.5°	563.3	474.0	377.4	329.9	315.0
55°	511.7	448.8	343.8	296.3	280.6
57.5°	462.8	415.9	307.3	261.6	246.2
60°	414.4	373.5	269.0	228.1	215.4
62.5°	360.8	324.3	229.8	194.7	188.1
65°	305.1	270.3	190.4	165.0	163.1
67.5°	251.1	219.0	152.8	137.1	139.4
70°	197.5	173.0	121.1	117.5	121.1
72.5°	150.2	136.4	98.5	99.4	105.4
75°	114.7	105.0	86.9	82.8	91.0
77.5°	91.9	85.6	77.0	71.0	77.0
80°	75.5	74.0	67.3	60.2	62.2
82.5°	57.0	58.1	52.9	49.3	46.9
85°	38.1	41.5	37.4	34.2	30.6
87.5°	19.1	23.2	19.8	17.6	15.7
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	16.2	17.9	16.6	18.2	18.5	12.7	14.5	13.1	14.8	15.1
	3H	17.5	19.0	17.8	19.4	19.7	14.0	15.6	14.4	15.9	16.3
	4H	17.8	19.3	18.2	19.6	20.0	14.6	16.1	15.0	16.4	16.8
	6H	18.1	19.5	18.5	19.9	20.2	15.1	16.5	15.5	16.9	17.3
	8H	18.3	19.6	18.7	19.9	20.3	15.4	16.7	15.8	17.1	17.4
	12H	18.4	19.6	18.8	20.0	20.4	15.5	16.8	16.0	17.2	17.6
4H	2H	16.3	17.8	16.7	18.2	18.5	13.4	14.9	13.8	15.2	15.6
	3H	17.8	19.0	18.2	19.4	19.8	14.8	16.1	15.3	16.5	16.9
	4H	18.3	19.4	18.7	19.8	20.2	15.5	16.6	16.0	17.0	17.5
	6H	18.7	19.7	19.2	20.2	20.6	16.2	17.2	16.7	17.6	18.1
	8H	18.9	19.9	19.4	20.3	20.8	16.5	17.4	17.0	17.9	18.3
	12H	19.1	19.9	19.6	20.4	20.9	16.8	17.6	17.2	18.1	18.5
8H	4H	18.4	19.3	18.9	19.7	20.2	15.9	16.8	16.3	17.2	17.7
	6H	19.0	19.7	19.5	20.2	20.7	16.7	17.5	17.2	18.0	18.4
	8H	19.3	20.0	19.8	20.5	20.9	17.1	17.8	17.6	18.3	18.8
	12H	19.6	20.2	20.1	20.7	21.2	17.5	18.1	18.0	18.6	19.1
12H	4H	18.4	19.2	18.9	19.7	20.2	15.9	16.8	16.4	17.2	17.7
	6H	19.0	19.7	19.5	20.2	20.7	16.8	17.5	17.4	18.0	18.5
	8H	19.4	20.0	19.9	20.5	21.0	17.3	17.9	17.8	18.4	19.0













(END OF REPORT)