

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: P1584085

Luminaire Tested: 14CGSB-25-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584085
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-25-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

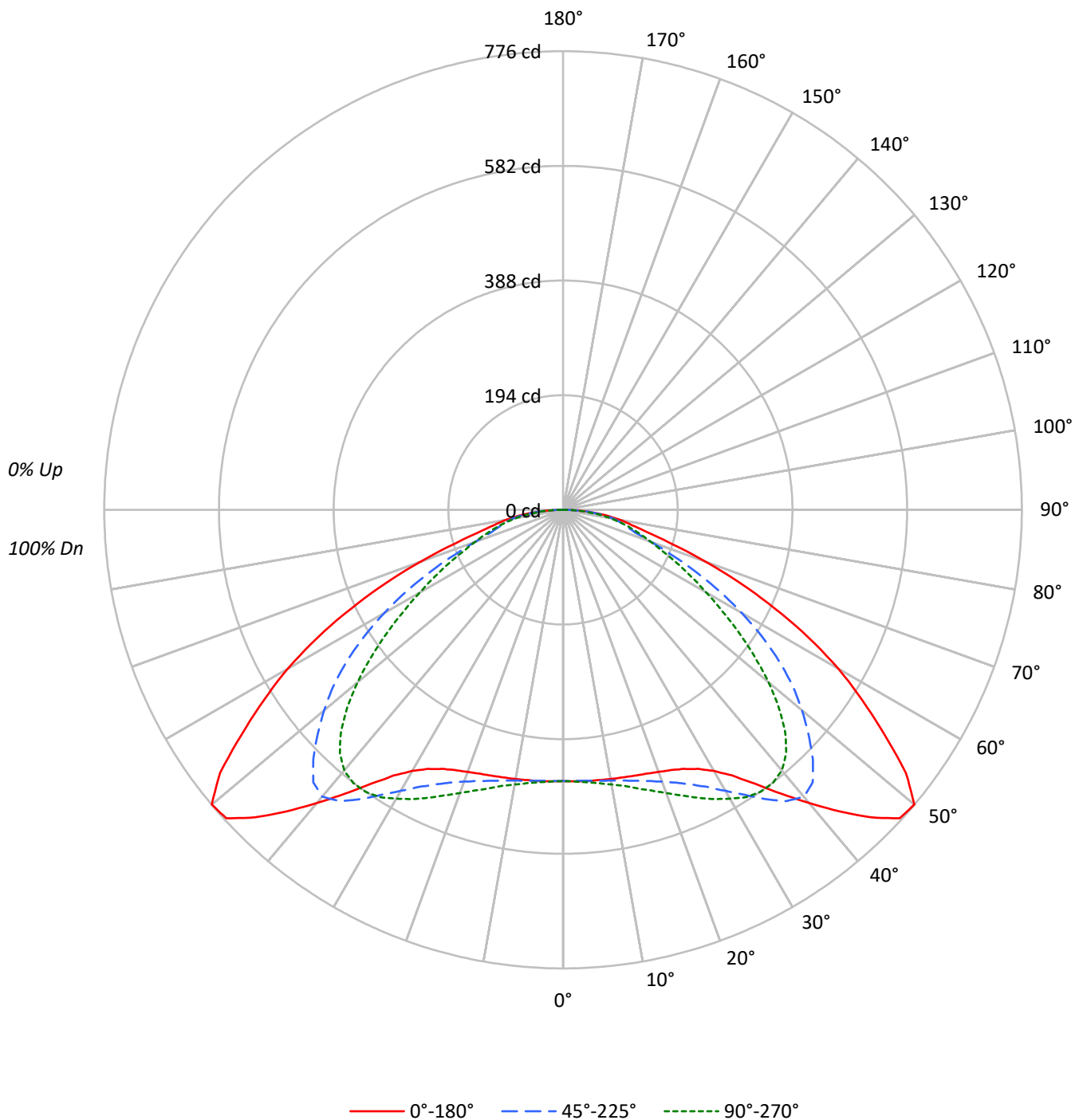
Lumens per Lamp: N/A
Luminaire Lumens: 2149.7 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
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°	1235	1235	1235
5°	1244	1243	1250
10°	1264	1271	1289
15°	1297	1322	1360
20°	1351	1401	1460
25°	1436	1522	1596
30°	1584	1706	1753
35°	1857	1963	1913
40°	2273	2225	2022
45°	2800	2274	2022
50°	3247	2208	1899
55°	3115	2093	1708
60°	2894	1878	1504
65°	2521	1573	1347
70°	2017	1237	1237
75°	1547	1173	1228
80°	1519	1354	1251
85°	1525	1501	1223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3247 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	2.1
10°-20°	135.5	6.3
20°-30°	238.5	11.1
30°-40°	369.4	17.2
40°-50°	470.6	21.9
50°-60°	428.2	19.9
60°-70°	277.7	12.9
70°-80°	135.1	6.3
80°-90°	50.6	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°	418.1	19.5
0°-40°	787.6	36.6
0°-60°	1686.4	78.4
0°-90°	2149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2149.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	459	459	459	459	459	
5°	461	461	460	461	463	44
15°	466	469	475	484	488	132
25°	484	494	513	531	537	226
35°	565	590	598	588	582	360
45°	736	690	598	545	531	565
55°	664	582	446	384	364	593
65°	396	351	247	214	212	392
75°	149	136	113	108	118	169
85°	49	54	49	44	40	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	459.0	459.0	459.0	459.0	459.0
2.5°	459.8	460.4	459.0	459.3	460.1
5°	460.7	461.2	460.1	460.9	462.6
7.5°	461.2	462.3	462.3	464.3	466.5
10°	462.6	463.7	465.1	469.0	471.8
12.5°	463.7	465.7	469.0	475.5	478.5
15°	465.7	468.8	474.6	483.6	488.0
17.5°	468.2	472.7	481.0	492.8	498.1
20°	471.8	477.7	489.4	503.4	509.8
22.5°	476.6	484.4	499.5	515.9	522.9
25°	483.6	493.6	512.6	530.7	537.4
27.5°	494.2	506.7	528.5	546.6	551.7
30°	509.8	525.4	548.9	561.4	564.2
32.5°	533.0	553.1	571.8	576.0	576.5
35°	565.4	589.9	597.5	587.7	582.4
37.5°	605.0	632.4	621.2	592.2	582.7
40°	647.2	669.5	633.5	588.5	575.7
42.5°	691.8	690.7	625.1	572.6	558.7
45°	735.7	690.4	597.5	545.3	531.3
47.5°	772.5	669.5	563.1	511.5	495.0
50°	775.6	642.1	527.4	470.4	453.7
52.5°	730.9	615.1	489.7	428.0	408.7
55°	663.9	582.4	446.1	384.4	364.1
57.5°	600.5	539.7	398.7	339.5	319.4
60°	537.7	484.7	349.0	295.9	279.5
62.5°	468.2	420.7	298.2	252.7	244.0
65°	395.9	350.7	247.1	214.1	211.6
67.5°	325.8	284.2	198.2	177.8	180.9
70°	256.3	224.5	157.2	152.4	157.2
72.5°	194.9	177.0	127.9	129.0	136.8
75°	148.8	136.2	112.8	107.5	118.1
77.5°	119.2	111.1	99.9	92.1	99.9
80°	98.0	96.0	87.4	78.2	80.7
82.5°	74.0	75.4	68.7	63.9	60.9
85°	49.4	53.9	48.6	44.4	39.6
87.5°	24.8	30.2	25.7	22.9	20.4
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	17.1	18.8	17.5	19.1	19.4	13.6	15.4	14.0	15.7	16.0
	3H	18.4	19.9	18.8	20.3	20.6	14.9	16.5	15.3	16.8	17.2
	4H	18.7	20.2	19.1	20.5	20.9	15.5	17.0	15.9	17.3	17.7
	6H	19.0	20.4	19.4	20.8	21.1	16.0	17.4	16.4	17.8	18.2
	8H	19.2	20.5	19.6	20.9	21.3	16.3	17.6	16.7	18.0	18.4
	12H	19.3	20.5	19.7	20.9	21.3	16.4	17.7	16.9	18.1	18.5
4H	2H	17.3	18.7	17.7	19.1	19.4	14.3	15.8	14.7	16.1	16.5
	3H	18.7	20.0	19.1	20.3	20.7	15.8	17.0	16.2	17.4	17.8
	4H	19.2	20.3	19.6	20.7	21.2	16.4	17.5	16.9	18.0	18.4
	6H	19.6	20.6	20.1	21.1	21.5	17.1	18.1	17.6	18.5	19.0
	8H	19.8	20.8	20.3	21.2	21.7	17.4	18.3	17.9	18.8	19.2
	12H	20.0	20.9	20.5	21.3	21.8	17.7	18.5	18.1	19.0	19.4
8H	4H	19.3	20.2	19.8	20.7	21.1	16.8	17.7	17.2	18.1	18.6
	6H	19.9	20.6	20.4	21.1	21.6	17.6	18.4	18.1	18.9	19.3
	8H	20.2	20.9	20.7	21.4	21.9	18.0	18.7	18.5	19.2	19.7
	12H	20.5	21.1	21.0	21.6	22.1	18.4	19.0	18.9	19.5	20.0
12H	4H	19.3	20.1	19.8	20.6	21.1	16.8	17.7	17.3	18.1	18.6
	6H	19.9	20.6	20.4	21.1	21.6	17.7	18.4	18.3	18.9	19.4
	8H	20.3	20.9	20.8	21.4	21.9	18.2	18.8	18.7	19.3	19.9













(END OF REPORT)