

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: P1526879

Luminaire Tested: 24CGTX-35-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-35-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

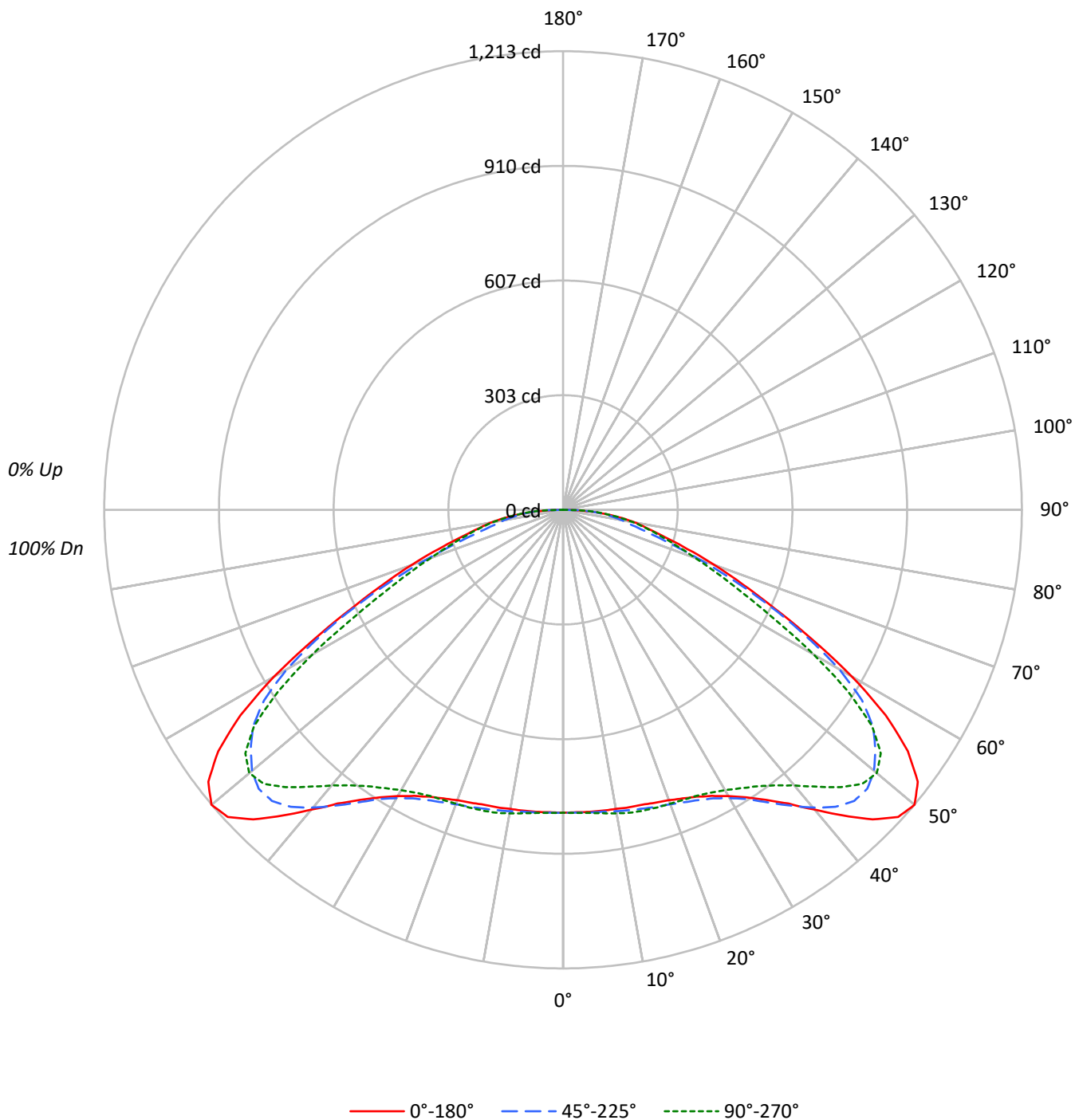
Lumens per Lamp: N/A
Luminaire Lumens: 3999.5 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84		82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68		66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56		54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47		44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39		37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34		31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29		27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25		23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22		20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1078	1078	1078
5°	1083	1085	1087
10°	1098	1106	1114
15°	1125	1139	1147
20°	1170	1187	1185
25°	1243	1257	1239
30°	1358	1367	1330
35°	1538	1551	1466
40°	1818	1806	1671
45°	2203	2071	1974
50°	2539	2247	2267
55°	2610	2347	2339
60°	2372	2268	2059
65°	1962	1927	1680
70°	1675	1509	1460
75°	1451	1202	1382
80°	1502	1218	1454
85°	1518	1465	1615

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2613 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	1.9
10°-20°	231.9	5.8
20°-30°	391.7	9.8
30°-40°	589.7	14.7
40°-50°	838.5	21.0
50°-60°	899.8	22.5
60°-70°	586.4	14.7
70°-80°	282.0	7.1
80°-90°	102.6	2.6
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°	700.5	17.5
0°-40°	1290.1	32.3
0°-60°	3028.5	75.7
0°-90°	3999.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3999.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	802	803	803	806	805	77
15°	807	812	818	823	823	230
25°	837	845	847	839	834	390
35°	936	954	944	913	893	594
45°	1158	1129	1089	1060	1037	889
55°	1113	1084	1001	972	997	974
65°	616	612	605	540	528	624
75°	279	264	231	263	266	307
85°	98	92	95	98	105	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.2	801.2	801.2	801.2	801.2
2.5°	800.5	801.2	801.9	802.6	802.6
5°	801.9	802.6	803.3	806.0	804.7
7.5°	802.6	803.3	805.4	809.5	809.5
10°	803.3	805.4	809.5	813.7	815.1
12.5°	806.0	808.1	813.7	819.2	820.6
15°	807.4	811.6	817.8	822.7	823.4
17.5°	812.3	816.4	823.4	825.4	825.4
20°	817.1	822.7	828.9	828.9	827.5
22.5°	826.1	832.4	837.2	833.1	830.3
25°	837.2	844.8	846.9	839.3	834.4
27.5°	853.1	862.8	860.1	849.7	843.4
30°	873.9	886.4	880.1	864.9	855.9
32.5°	901.6	916.8	906.5	887.1	873.2
35°	936.2	954.2	944.5	912.7	892.6
37.5°	979.2	997.9	986.1	945.2	918.2
40°	1035.3	1045.0	1028.3	984.0	951.5
42.5°	1096.2	1091.4	1065.7	1024.9	993.0
45°	1157.8	1129.4	1088.6	1060.2	1037.3
47.5°	1202.1	1149.5	1091.4	1076.8	1072.7
50°	1213.2	1145.4	1073.3	1067.8	1083.0
52.5°	1182.1	1123.2	1040.8	1031.1	1058.8
55°	1112.8	1084.4	1000.6	971.6	997.2
57.5°	1011.0	1008.9	936.9	885.0	891.9
60°	881.5	889.8	842.8	769.3	765.2
62.5°	741.6	746.5	725.7	649.5	635.0
65°	616.3	611.5	605.2	540.1	527.7
67.5°	513.1	498.6	488.9	449.4	443.2
70°	425.9	403.0	383.6	377.4	371.2
72.5°	344.9	328.2	297.1	314.4	313.7
75°	279.1	263.8	231.3	263.1	265.9
77.5°	228.5	218.1	187.0	216.1	225.1
80°	193.9	172.4	157.2	175.9	187.7
82.5°	148.2	131.6	128.1	135.7	146.8
85°	98.3	92.1	94.9	97.6	104.6
87.5°	49.9	53.3	57.5	62.3	65.8
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	16.7	18.4	17.0	18.8	19.1	15.7	17.5	16.1	17.8	18.2
	3H	17.8	19.4	18.1	19.7	20.1	16.9	18.5	17.3	18.8	19.2
	4H	18.2	19.7	18.5	20.0	20.4	17.3	18.9	17.7	19.2	19.6
	6H	18.5	19.9	18.9	20.3	20.7	17.8	19.2	18.2	19.6	20.0
	8H	18.7	20.0	19.1	20.4	20.8	18.0	19.3	18.4	19.7	20.1
	12H	18.8	20.1	19.2	20.5	20.9	18.2	19.5	18.6	19.8	20.3
4H	2H	17.1	18.6	17.5	18.9	19.3	16.3	17.8	16.7	18.2	18.6
	3H	18.3	19.6	18.8	20.0	20.4	17.6	18.9	18.0	19.3	19.7
	4H	18.8	20.0	19.3	20.4	20.9	18.2	19.4	18.6	19.8	20.2
	6H	19.3	20.4	19.8	20.8	21.2	18.8	19.8	19.2	20.2	20.7
	8H	19.6	20.5	20.0	21.0	21.4	19.0	20.0	19.5	20.4	20.9
	12H	19.8	20.6	20.2	21.1	21.6	19.3	20.2	19.8	20.6	21.1
8H	4H	19.0	20.0	19.5	20.4	20.9	18.4	19.4	18.9	19.8	20.3
	6H	19.6	20.4	20.1	20.9	21.4	19.1	19.9	19.6	20.4	20.9
	8H	19.9	20.6	20.4	21.1	21.6	19.5	20.2	20.0	20.7	21.2
	12H	20.2	20.8	20.7	21.3	21.9	19.8	20.5	20.3	21.0	21.5
12H	4H	19.0	19.9	19.5	20.4	20.8	18.5	19.3	18.9	19.8	20.3
	6H	19.7	20.4	20.2	20.9	21.4	19.2	19.9	19.7	20.4	20.9
	8H	20.0	20.7	20.5	21.1	21.7	19.6	20.2	20.1	20.7	21.3















(END OF REPORT)