

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: P1526881

Luminaire Tested: 24CGTX-35HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526881
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-35HE-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

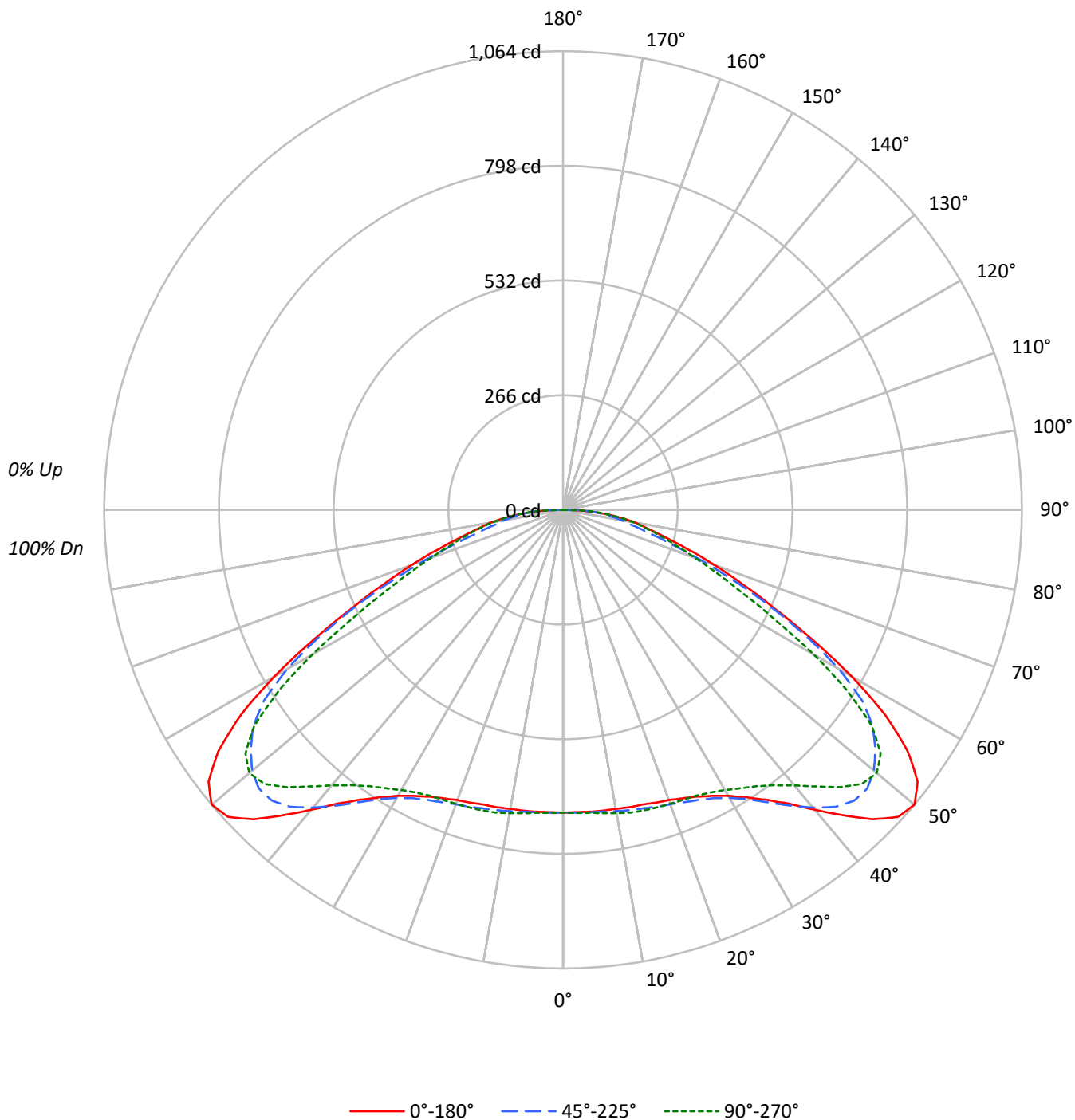
Lumens per Lamp: N/A
Luminaire Lumens: 3506.6 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
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			
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°	945	945	945
5°	950	951	953
10°	962	970	976
15°	986	999	1006
20°	1026	1041	1039
25°	1090	1102	1086
30°	1190	1199	1166
35°	1348	1360	1285
40°	1594	1584	1465
45°	1932	1816	1731
50°	2227	1970	1988
55°	2289	2058	2051
60°	2080	1988	1805
65°	1720	1689	1473
70°	1469	1323	1280
75°	1272	1054	1212
80°	1317	1068	1275
85°	1331	1284	1416

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2291 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.9
10°-20°	203.3	5.8
20°-30°	343.4	9.8
30°-40°	517.0	14.7
40°-50°	735.1	21.0
50°-60°	789.0	22.5
60°-70°	514.2	14.7
70°-80°	247.2	7.1
80°-90°	90.0	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°	614.2	17.5
0°-40°	1131.2	32.3
0°-60°	2655.3	75.7
0°-90°	3506.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3506.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	703	704	704	707	706	67
15°	708	712	717	721	722	201
25°	734	741	742	736	732	342
35°	821	837	828	800	783	521
45°	1015	990	954	930	910	779
55°	976	951	877	852	874	854
65°	540	536	531	474	463	547
75°	245	231	203	231	233	269
85°	86	81	83	86	92	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	702.5	702.5	702.5	702.5	702.5
2.5°	701.9	702.5	703.1	703.7	703.7
5°	703.1	703.7	704.3	706.7	705.5
7.5°	703.7	704.3	706.1	709.8	709.8
10°	704.3	706.1	709.8	713.4	714.6
12.5°	706.7	708.5	713.4	718.3	719.5
15°	707.9	711.6	717.0	721.3	721.9
17.5°	712.2	715.8	721.9	723.7	723.7
20°	716.4	721.3	726.8	726.8	725.5
22.5°	724.3	729.8	734.0	730.4	728.0
25°	734.0	740.7	742.5	735.9	731.6
27.5°	748.0	756.5	754.1	745.0	739.5
30°	766.2	777.1	771.7	758.3	750.4
32.5°	790.5	803.9	794.8	777.8	765.6
35°	820.9	836.6	828.1	800.2	782.6
37.5°	858.5	874.9	864.6	828.8	805.1
40°	907.7	916.2	901.6	862.8	834.2
42.5°	961.1	956.9	934.4	898.6	870.6
45°	1015.1	990.3	954.4	929.5	909.5
47.5°	1054.0	1007.9	956.9	944.1	940.5
50°	1063.7	1004.2	941.1	936.2	949.6
52.5°	1036.4	984.8	912.5	904.0	928.3
55°	975.7	950.8	877.3	851.8	874.3
57.5°	886.4	884.6	821.5	775.9	782.0
60°	772.9	780.2	738.9	674.5	670.9
62.5°	650.3	654.5	636.3	569.5	556.8
65°	540.4	536.1	530.6	473.6	462.6
67.5°	449.9	437.1	428.6	394.0	388.6
70°	373.4	353.4	336.4	330.9	325.4
72.5°	302.4	287.8	260.5	275.6	275.0
75°	244.7	231.3	202.8	230.7	233.1
77.5°	200.4	191.3	163.9	189.4	197.3
80°	170.0	151.2	137.8	154.2	164.5
82.5°	129.9	115.4	112.3	119.0	128.7
85°	86.2	80.8	83.2	85.6	91.7
87.5°	43.7	46.8	50.4	54.6	57.7
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	18.0	16.6	18.3	18.6	15.3	17.1	15.7	17.4	17.7
	3H	17.3	18.9	17.7	19.2	19.6	16.4	18.0	16.8	18.4	18.7
	4H	17.7	19.2	18.1	19.6	19.9	16.9	18.4	17.3	18.8	19.1
	6H	18.1	19.5	18.5	19.8	20.2	17.3	18.7	17.7	19.1	19.5
	8H	18.2	19.6	18.6	20.0	20.4	17.5	18.9	17.9	19.3	19.7
	12H	18.3	19.6	18.8	20.0	20.5	17.7	19.0	18.1	19.4	19.8
4H	2H	16.6	18.1	17.0	18.5	18.9	15.9	17.4	16.2	17.7	18.1
	3H	17.9	19.2	18.3	19.6	20.0	17.2	18.5	17.6	18.8	19.2
	4H	18.4	19.6	18.8	20.0	20.4	17.8	18.9	18.2	19.3	19.8
	6H	18.9	19.9	19.3	20.3	20.8	18.3	19.3	18.8	19.8	20.2
	8H	19.1	20.1	19.6	20.5	21.0	18.6	19.5	19.0	20.0	20.4
	12H	19.3	20.2	19.8	20.6	21.1	18.8	19.7	19.3	20.2	20.6
8H	4H	18.6	19.5	19.0	19.9	20.4	18.0	18.9	18.4	19.4	19.8
	6H	19.2	20.0	19.6	20.4	20.9	18.7	19.5	19.2	20.0	20.4
	8H	19.5	20.2	20.0	20.7	21.2	19.0	19.7	19.5	20.2	20.7
	12H	19.7	20.4	20.2	20.9	21.4	19.4	20.0	19.9	20.5	21.1
12H	4H	18.6	19.4	19.1	19.9	20.4	18.0	18.9	18.5	19.3	19.8
	6H	19.2	19.9	19.7	20.4	20.9	18.7	19.5	19.3	19.9	20.5
	8H	19.6	20.2	20.1	20.7	21.2	19.1	19.8	19.6	20.3	20.8













(END OF REPORT)