

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: P1526877

Luminaire Tested: 24CGTX-35-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526877
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

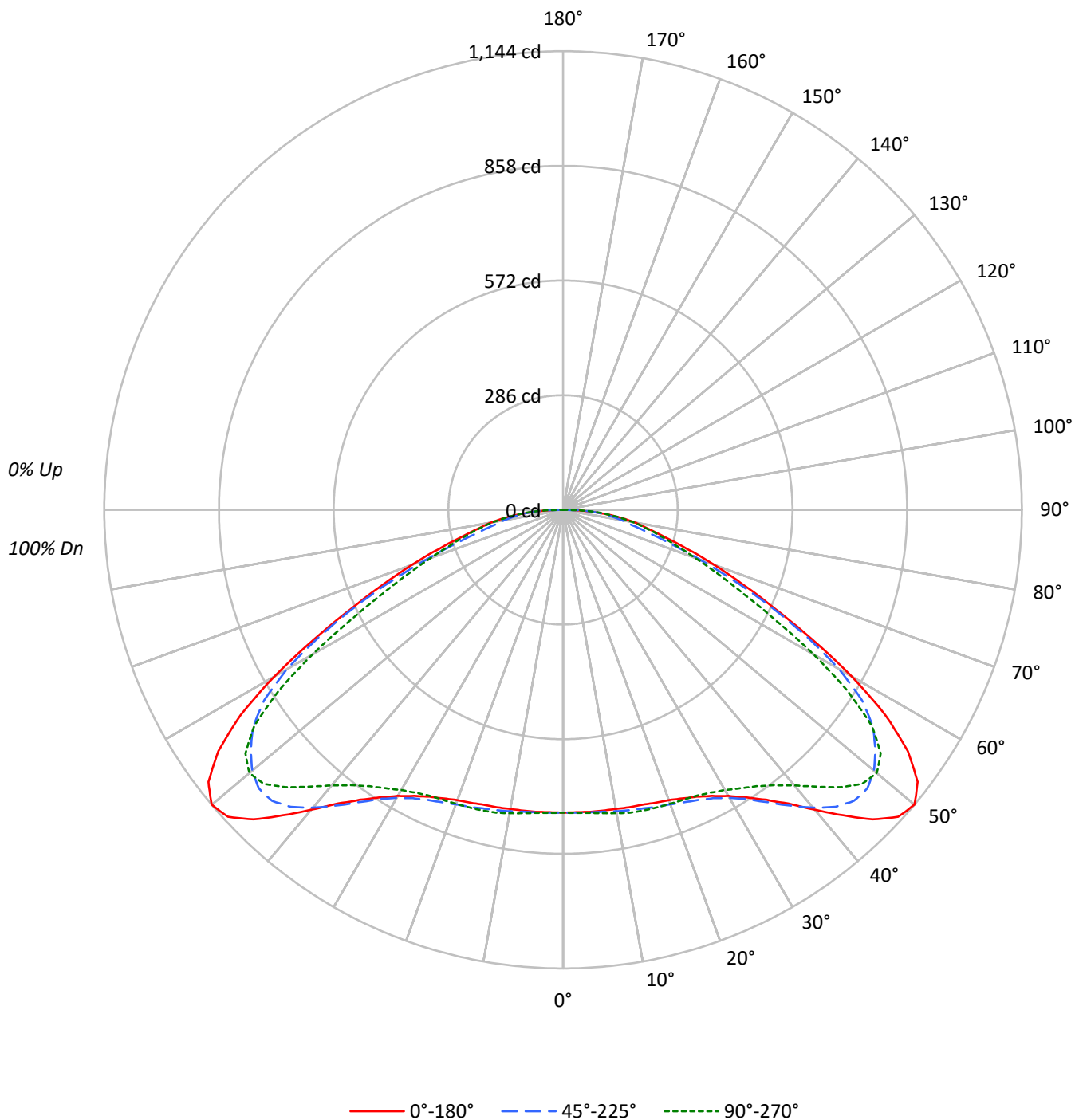
Lumens per Lamp: N/A
Luminaire Lumens: 3771.0 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1016	1016	1016
5°	1021	1023	1025
10°	1035	1043	1050
15°	1060	1074	1081
20°	1103	1119	1117
25°	1172	1185	1168
30°	1280	1289	1254
35°	1450	1463	1382
40°	1714	1703	1576
45°	2077	1953	1861
50°	2394	2118	2138
55°	2461	2213	2206
60°	2237	2138	1942
65°	1850	1817	1584
70°	1579	1423	1377
75°	1368	1134	1303
80°	1416	1148	1371
85°	1431	1380	1522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.9
10°-20°	218.6	5.8
20°-30°	369.3	9.8
30°-40°	556.0	14.7
40°-50°	790.6	21.0
50°-60°	848.4	22.5
60°-70°	552.9	14.7
70°-80°	265.9	7.1
80°-90°	96.8	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°	660.5	17.5
0°-40°	1216.4	32.3
0°-60°	2855.4	75.7
0°-90°	3771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3771.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	755	755	755	755	755	
5°	756	757	757	760	759	72
15°	761	765	771	776	776	216
25°	789	797	798	791	787	368
35°	883	900	891	860	842	560
45°	1092	1065	1026	1000	978	838
55°	1049	1022	944	916	940	918
65°	581	576	571	509	498	588
75°	263	249	218	248	251	289
85°	93	87	89	92	99	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	755.4	755.4	755.4	755.4	755.4
2.5°	754.8	755.4	756.1	756.7	756.7
5°	756.1	756.7	757.4	760.0	758.7
7.5°	756.7	757.4	759.3	763.3	763.3
10°	757.4	759.3	763.3	767.2	768.5
12.5°	760.0	761.9	767.2	772.4	773.7
15°	761.3	765.2	771.1	775.7	776.3
17.5°	765.9	769.8	776.3	778.3	778.3
20°	770.4	775.7	781.5	781.5	780.2
22.5°	778.9	784.8	789.4	785.5	782.8
25°	789.4	796.6	798.5	791.3	786.8
27.5°	804.4	813.5	810.9	801.1	795.2
30°	824.0	835.7	829.9	815.5	807.0
32.5°	850.1	864.5	854.7	836.4	823.3
35°	882.7	899.7	890.6	860.5	841.6
37.5°	923.2	940.8	929.7	891.2	865.8
40°	976.1	985.2	969.6	927.8	897.1
42.5°	1033.6	1029.0	1004.8	966.3	936.3
45°	1091.7	1064.9	1026.4	999.6	978.1
47.5°	1133.5	1083.8	1029.0	1015.3	1011.4
50°	1143.9	1079.9	1012.0	1006.8	1021.2
52.5°	1114.5	1059.0	981.3	972.2	998.3
55°	1049.2	1022.5	943.5	916.0	940.2
57.5°	953.3	951.3	883.4	834.4	841.0
60°	831.2	839.0	794.6	725.4	721.5
62.5°	699.3	703.8	684.3	612.4	598.7
65°	581.1	576.5	570.6	509.3	497.5
67.5°	483.8	470.1	461.0	423.7	417.9
70°	401.5	380.0	361.7	355.8	350.0
72.5°	325.1	309.5	280.1	296.4	295.8
75°	263.1	248.8	218.1	248.1	250.7
77.5°	215.5	205.7	176.3	203.7	212.2
80°	182.8	162.6	148.2	165.8	176.9
82.5°	139.7	124.1	120.8	128.0	138.4
85°	92.7	86.8	89.4	92.1	98.6
87.5°	47.0	50.3	54.2	58.8	62.0
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	16.5	18.2	16.8	18.5	18.9	15.5	17.3	15.9	17.6	18.0
	3H	17.6	19.2	17.9	19.5	19.9	16.7	18.3	17.1	18.6	19.0
	4H	17.9	19.5	18.3	19.8	20.2	17.1	18.7	17.5	19.0	19.4
	6H	18.3	19.7	18.7	20.1	20.5	17.6	19.0	18.0	19.4	19.7
	8H	18.5	19.8	18.9	20.2	20.6	17.8	19.1	18.2	19.5	19.9
	12H	18.6	19.9	19.0	20.3	20.7	18.0	19.3	18.4	19.6	20.1
4H	2H	16.9	18.4	17.3	18.7	19.1	16.1	17.6	16.5	18.0	18.3
	3H	18.1	19.4	18.6	19.8	20.2	17.4	18.7	17.8	19.1	19.5
	4H	18.6	19.8	19.1	20.2	20.6	18.0	19.2	18.4	19.6	20.0
	6H	19.1	20.2	19.6	20.6	21.0	18.6	19.6	19.0	20.0	20.5
	8H	19.4	20.3	19.8	20.8	21.2	18.8	19.8	19.3	20.2	20.7
	12H	19.6	20.4	20.0	20.9	21.4	19.1	20.0	19.6	20.4	20.9
8H	4H	18.8	19.8	19.3	20.2	20.7	18.2	19.2	18.7	19.6	20.1
	6H	19.4	20.2	19.9	20.7	21.2	18.9	19.7	19.4	20.2	20.7
	8H	19.7	20.4	20.2	20.9	21.4	19.3	20.0	19.8	20.5	21.0
	12H	20.0	20.6	20.5	21.1	21.7	19.6	20.3	20.1	20.8	21.3
12H	4H	18.8	19.7	19.3	20.2	20.6	18.3	19.1	18.7	19.6	20.1
	6H	19.5	20.2	20.0	20.6	21.2	19.0	19.7	19.5	20.2	20.7
	8H	19.8	20.5	20.3	20.9	21.5	19.4	20.0	19.9	20.5	21.1















(END OF REPORT)