

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: P1526876

Luminaire Tested: 24CGTX-35-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526876
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

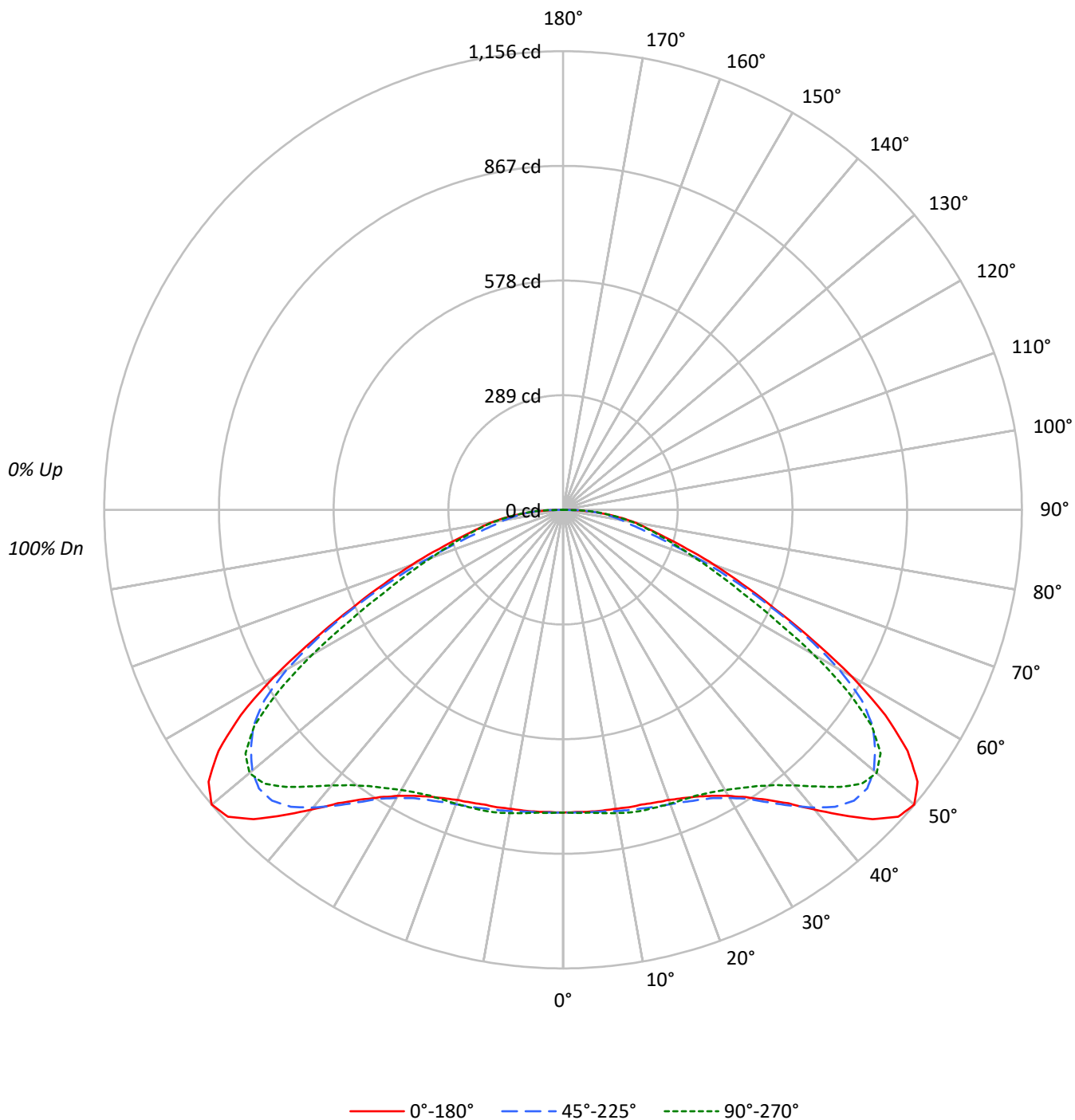
Lumens per Lamp: N/A
Luminaire Lumens: 3809.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	1027	1027	1027
5°	1031	1033	1035
10°	1045	1053	1060
15°	1071	1085	1092
20°	1114	1130	1128
25°	1184	1197	1180
30°	1293	1302	1267
35°	1465	1478	1396
40°	1732	1720	1592
45°	2098	1973	1880
50°	2419	2140	2159
55°	2486	2236	2228
60°	2259	2160	1961
65°	1869	1835	1600
70°	1596	1437	1391
75°	1382	1145	1317
80°	1431	1160	1385
85°	1445	1396	1538

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2488 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	1.9
10°-20°	220.8	5.8
20°-30°	373.0	9.8
30°-40°	561.6	14.7
40°-50°	798.5	21.0
50°-60°	857.0	22.5
60°-70°	558.5	14.7
70°-80°	268.5	7.1
80°-90°	97.7	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°	667.1	17.5
0°-40°	1228.7	32.3
0°-60°	2884.3	75.7
0°-90°	3809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	764	764	765	768	766	73
15°	769	773	779	784	784	219
25°	797	805	807	799	795	371
35°	892	909	900	869	850	566
45°	1103	1076	1037	1010	988	847
55°	1060	1033	953	925	950	927
65°	587	582	576	514	502	594
75°	266	251	220	251	253	292
85°	94	88	90	93	100	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	763.0	763.0	763.0	763.0	763.0
2.5°	762.4	763.0	763.7	764.4	764.4
5°	763.7	764.4	765.0	767.7	766.3
7.5°	764.4	765.0	767.0	771.0	771.0
10°	765.0	767.0	771.0	774.9	776.2
12.5°	767.7	769.6	774.9	780.2	781.5
15°	769.0	772.9	778.9	783.5	784.2
17.5°	773.6	777.6	784.2	786.1	786.1
20°	778.2	783.5	789.4	789.4	788.1
22.5°	786.8	792.7	797.3	793.4	790.7
25°	797.3	804.6	806.6	799.3	794.7
27.5°	812.5	821.7	819.1	809.2	803.3
30°	832.3	844.2	838.2	823.7	815.2
32.5°	858.7	873.2	863.3	844.8	831.6
35°	891.7	908.8	899.6	869.2	850.1
37.5°	932.5	950.3	939.1	900.2	874.5
40°	986.0	995.2	979.4	937.2	906.2
42.5°	1044.0	1039.4	1015.0	976.1	945.7
45°	1102.7	1075.7	1036.7	1009.7	987.9
47.5°	1144.9	1094.8	1039.4	1025.5	1021.6
50°	1155.5	1090.8	1022.2	1017.0	1031.5
52.5°	1125.8	1069.7	991.2	982.0	1008.4
55°	1059.8	1032.8	953.0	925.3	949.7
57.5°	962.9	960.9	892.3	842.8	849.4
60°	839.6	847.5	802.6	732.7	728.8
62.5°	706.3	710.9	691.2	618.6	604.8
65°	587.0	582.3	576.4	514.4	502.5
67.5°	488.7	474.8	465.6	428.0	422.1
70°	405.6	383.8	365.4	359.4	353.5
72.5°	328.4	312.6	282.9	299.4	298.8
75°	265.8	251.3	220.3	250.6	253.3
77.5°	217.6	207.7	178.1	205.8	214.3
80°	184.7	164.2	149.7	167.5	178.7
82.5°	141.1	125.3	122.0	129.3	139.8
85°	93.6	87.7	90.4	93.0	99.6
87.5°	47.5	50.8	54.7	59.4	62.7
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	16.5	18.3	16.9	18.6	18.9	15.6	17.4	15.9	17.7	18.0
	3H	17.6	19.2	18.0	19.5	19.9	16.7	18.3	17.1	18.7	19.0
	4H	18.0	19.5	18.4	19.9	20.2	17.2	18.7	17.6	19.0	19.4
	6H	18.3	19.8	18.8	20.1	20.5	17.6	19.0	18.0	19.4	19.8
	8H	18.5	19.9	18.9	20.2	20.6	17.8	19.2	18.2	19.6	20.0
	12H	18.6	19.9	19.1	20.3	20.7	18.0	19.3	18.4	19.7	20.1
4H	2H	16.9	18.4	17.3	18.8	19.1	16.1	17.7	16.5	18.0	18.4
	3H	18.2	19.5	18.6	19.9	20.3	17.5	18.7	17.9	19.1	19.5
	4H	18.7	19.8	19.1	20.3	20.7	18.0	19.2	18.5	19.6	20.0
	6H	19.2	20.2	19.6	20.6	21.1	18.6	19.6	19.1	20.1	20.5
	8H	19.4	20.3	19.8	20.8	21.2	18.9	19.8	19.3	20.3	20.7
	12H	19.6	20.5	20.1	20.9	21.4	19.1	20.0	19.6	20.5	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	19.0	19.8	19.4	20.2	20.7
	8H	19.7	20.5	20.2	21.0	21.4	19.3	20.0	19.8	20.5	21.0
	12H	20.0	20.7	20.5	21.2	21.7	19.7	20.3	20.2	20.8	21.3
12H	4H	18.9	19.7	19.3	20.2	20.7	18.3	19.1	18.8	19.6	20.1
	6H	19.5	20.2	20.0	20.7	21.2	19.0	19.8	19.5	20.2	20.7
	8H	19.8	20.5	20.3	21.0	21.5	19.4	20.1	19.9	20.6	21.1















(END OF REPORT)