

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: P1526888

Luminaire Tested: 24CGTX-40-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526888
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-40-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

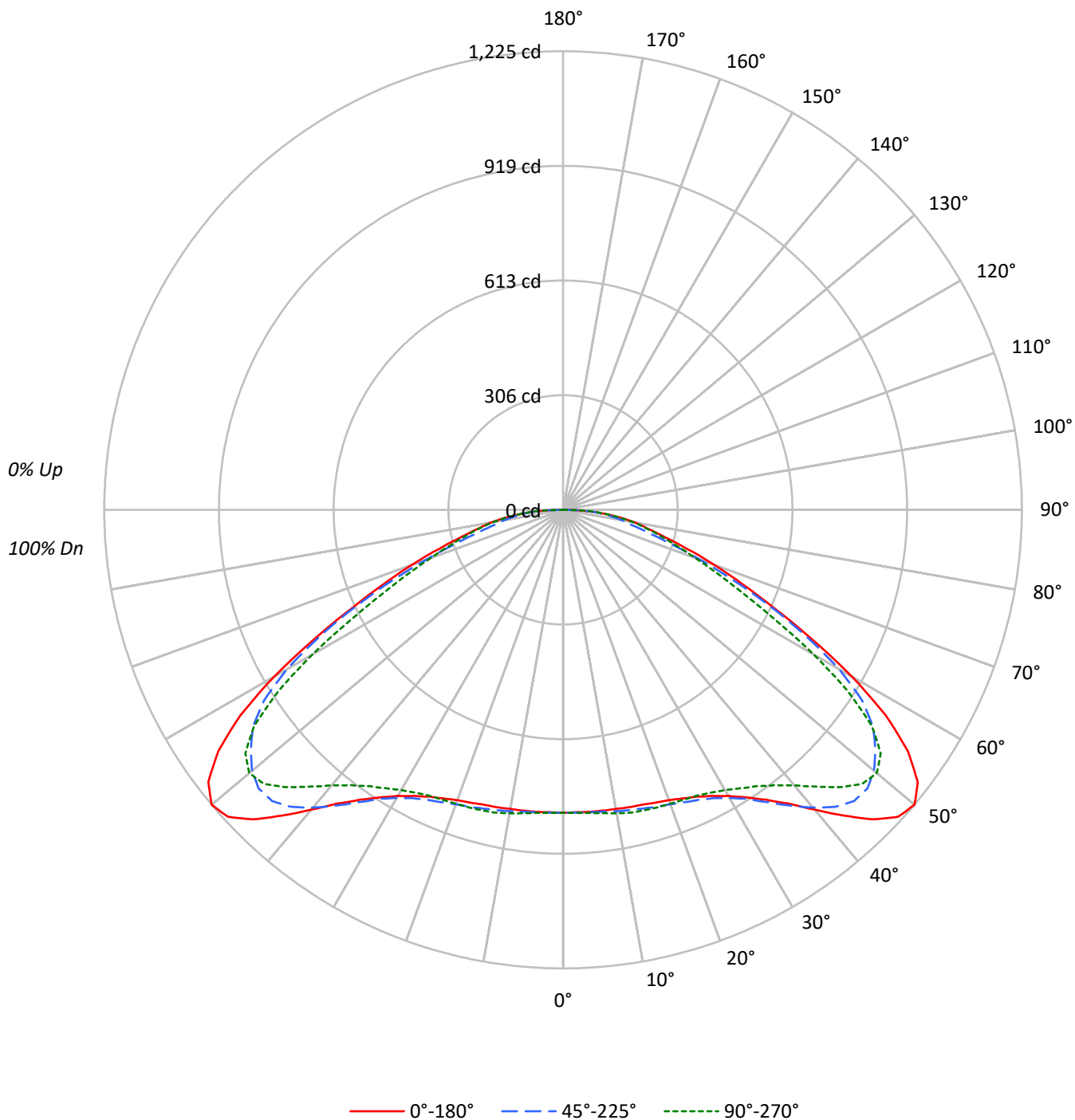
Lumens per Lamp: N/A
Luminaire Lumens: 4038.4 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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°	1089	1089	1089
5°	1094	1095	1097
10°	1108	1117	1124
15°	1136	1150	1158
20°	1181	1198	1196
25°	1255	1269	1251
30°	1371	1381	1343
35°	1553	1566	1480
40°	1836	1824	1687
45°	2225	2092	1993
50°	2564	2269	2289
55°	2636	2370	2362
60°	2395	2290	2079
65°	1981	1946	1696
70°	1692	1524	1474
75°	1465	1214	1396
80°	1517	1230	1468
85°	1533	1479	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.9
10°-20°	234.2	5.8
20°-30°	395.5	9.8
30°-40°	595.4	14.7
40°-50°	846.6	21.0
50°-60°	908.6	22.5
60°-70°	592.1	14.7
70°-80°	284.7	7.1
80°-90°	103.6	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°	707.3	17.5
0°-40°	1302.7	32.3
0°-60°	3057.9	75.7
0°-90°	4038.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4038.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	810	810	811	814	812	77
15°	815	820	826	831	831	232
25°	845	853	855	847	843	394
35°	945	964	954	922	901	600
45°	1169	1140	1099	1070	1047	897
55°	1124	1095	1010	981	1007	983
65°	622	617	611	545	533	630
75°	282	266	234	266	268	309
85°	99	93	96	99	106	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	809.0	809.0	809.0	809.0	809.0
2.5°	808.3	809.0	809.7	810.4	810.4
5°	809.7	810.4	811.1	813.9	812.5
7.5°	810.4	811.1	813.2	817.4	817.4
10°	811.1	813.2	817.4	821.6	823.0
12.5°	813.9	816.0	821.6	827.2	828.6
15°	815.3	819.5	825.8	830.7	831.4
17.5°	820.2	824.4	831.4	833.5	833.5
20°	825.1	830.7	837.0	837.0	835.6
22.5°	834.2	840.5	845.4	841.2	838.4
25°	845.4	853.0	855.1	847.4	842.6
27.5°	861.4	871.2	868.4	857.9	851.6
30°	882.4	895.0	888.7	873.3	864.2
32.5°	910.4	925.8	915.3	895.7	881.7
35°	945.3	963.5	953.7	921.6	901.3
37.5°	988.7	1007.6	995.7	954.4	927.2
40°	1045.3	1055.1	1038.3	993.6	960.7
42.5°	1106.9	1102.0	1076.1	1034.8	1002.7
45°	1169.1	1140.4	1099.2	1070.5	1047.4
47.5°	1213.8	1160.7	1102.0	1087.3	1083.1
50°	1225.0	1156.5	1083.8	1078.2	1093.6
52.5°	1193.6	1134.1	1050.9	1041.1	1069.1
55°	1123.6	1095.0	1010.4	981.0	1006.9
57.5°	1020.9	1018.8	946.0	893.6	900.6
60°	890.1	898.5	850.9	776.8	772.6
62.5°	748.9	753.8	732.8	655.9	641.2
65°	622.3	617.4	611.1	545.4	532.8
67.5°	518.1	503.4	493.6	453.8	447.5
70°	430.0	406.9	387.4	381.1	374.8
72.5°	348.2	331.4	300.0	317.4	316.7
75°	281.8	266.4	233.5	265.7	268.5
77.5°	230.7	220.3	188.8	218.2	227.2
80°	195.8	174.1	158.7	177.6	189.5
82.5°	149.6	132.9	129.4	137.0	148.2
85°	99.3	93.0	95.8	98.6	105.6
87.5°	50.3	53.8	58.0	62.9	66.4
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	16.7	18.5	17.1	18.8	19.1	15.8	17.6	16.1	17.9	18.2
	3H	17.8	19.4	18.2	19.7	20.1	16.9	18.5	17.3	18.9	19.2
	4H	18.2	19.7	18.6	20.1	20.4	17.4	18.9	17.8	19.2	19.6
	6H	18.5	20.0	19.0	20.3	20.7	17.8	19.2	18.2	19.6	20.0
	8H	18.7	20.1	19.1	20.4	20.8	18.0	19.4	18.4	19.8	20.2
	12H	18.8	20.1	19.3	20.5	20.9	18.2	19.5	18.6	19.9	20.3
4H	2H	17.1	18.6	17.5	19.0	19.3	16.3	17.9	16.7	18.2	18.6
	3H	18.4	19.7	18.8	20.1	20.5	17.7	18.9	18.1	19.3	19.7
	4H	18.9	20.0	19.3	20.5	20.9	18.2	19.4	18.7	19.8	20.2
	6H	19.4	20.4	19.8	20.8	21.3	18.8	19.8	19.3	20.3	20.7
	8H	19.6	20.5	20.1	21.0	21.5	19.1	20.0	19.5	20.5	20.9
	12H	19.8	20.7	20.3	21.1	21.6	19.3	20.2	19.8	20.7	21.1
8H	4H	19.0	20.0	19.5	20.4	20.9	18.5	19.4	18.9	19.8	20.3
	6H	19.6	20.4	20.1	20.9	21.4	19.2	20.0	19.6	20.4	20.9
	8H	19.9	20.7	20.4	21.2	21.6	19.5	20.2	20.0	20.7	21.2
	12H	20.2	20.9	20.7	21.4	21.9	19.9	20.5	20.4	21.0	21.5
12H	4H	19.1	19.9	19.6	20.4	20.9	18.5	19.4	19.0	19.8	20.3
	6H	19.7	20.4	20.2	20.9	21.4	19.2	20.0	19.7	20.4	20.9
	8H	20.0	20.7	20.6	21.2	21.7	19.6	20.3	20.1	20.8	21.3















(END OF REPORT)