

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: P1526911

Luminaire Tested: 24CGTX-55-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526911
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-55-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

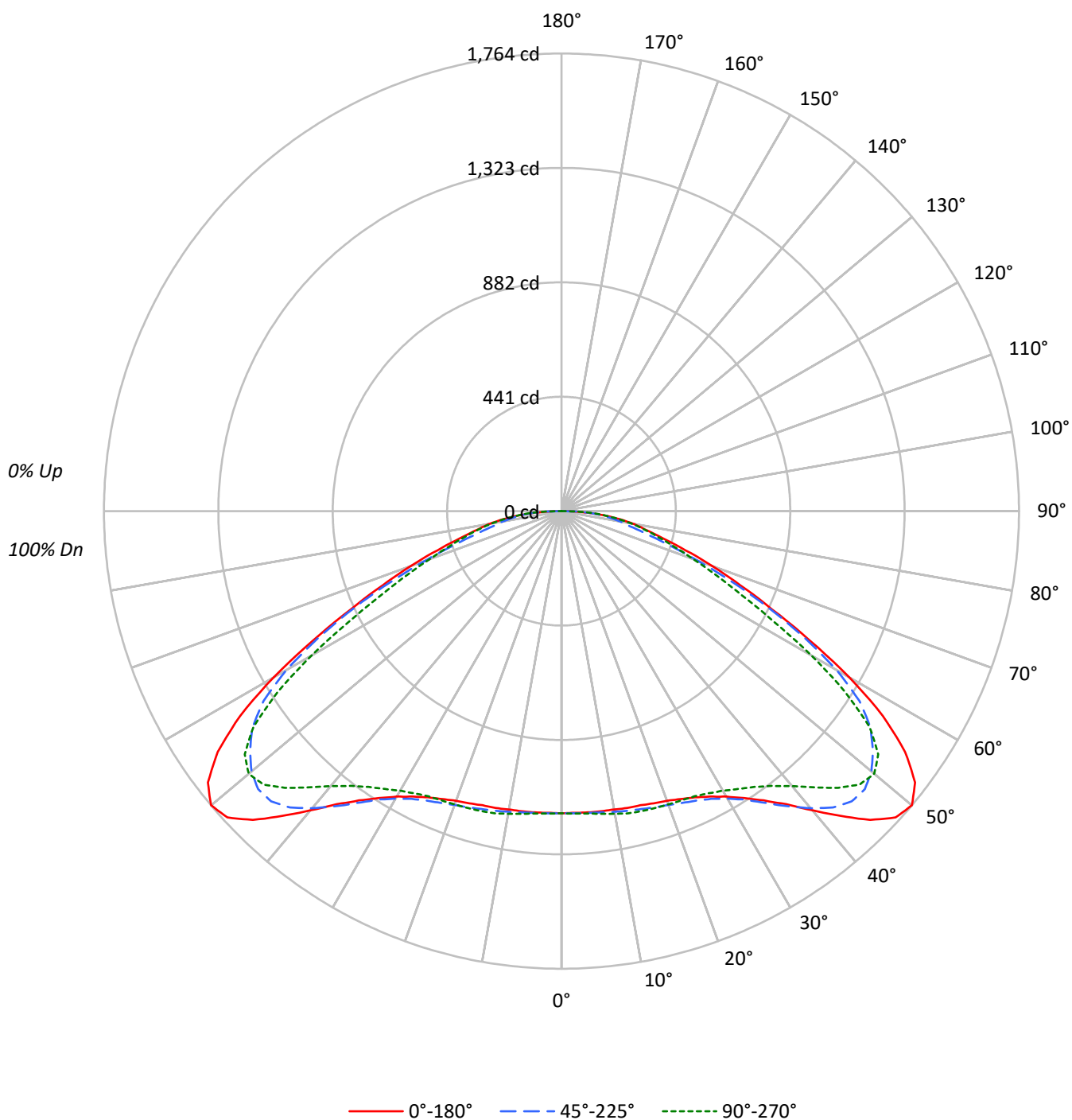
Lumens per Lamp: N/A
Luminaire Lumens: 5814.1 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.1
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	1567	1567	1567
5°	1574	1577	1580
10°	1595	1608	1619
15°	1635	1656	1667
20°	1701	1725	1723
25°	1807	1828	1801
30°	1974	1988	1933
35°	2235	2255	2131
40°	2643	2626	2429
45°	3203	3011	2869
50°	3692	3266	3296
55°	3795	3412	3400
60°	3448	3297	2993
65°	2852	2801	2442
70°	2436	2194	2123
75°	2109	1748	2010
80°	2184	1771	2114
85°	2206	2129	2347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	1.9
10°-20°	337.1	5.8
20°-30°	569.4	9.8
30°-40°	857.2	14.7
40°-50°	1218.9	21.0
50°-60°	1308.1	22.5
60°-70°	852.5	14.7
70°-80°	409.9	7.1
80°-90°	149.2	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°	1018.3	17.5
0°-40°	1875.5	32.3
0°-60°	4402.5	75.7
0°-90°	5814.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5814.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1165	1165	1165	1165	1165	
5°	1166	1167	1168	1172	1170	111
15°	1174	1180	1189	1196	1197	334
25°	1217	1228	1231	1220	1213	567
35°	1361	1387	1373	1327	1298	864
45°	1683	1642	1582	1541	1508	1292
55°	1618	1576	1455	1412	1450	1415
65°	896	889	880	785	767	907
75°	406	384	336	382	387	446
85°	143	134	138	142	152	156
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1164.7	1164.7	1164.7	1164.7	1164.7
2.5°	1163.7	1164.7	1165.7	1166.7	1166.7
5°	1165.7	1166.7	1167.7	1171.8	1169.7
7.5°	1166.7	1167.7	1170.7	1176.8	1176.8
10°	1167.7	1170.7	1176.8	1182.8	1184.8
12.5°	1171.8	1174.8	1182.8	1190.9	1192.9
15°	1173.8	1179.8	1188.9	1195.9	1196.9
17.5°	1180.8	1186.9	1196.9	1199.9	1199.9
20°	1187.9	1195.9	1205.0	1205.0	1203.0
22.5°	1200.9	1210.0	1217.1	1211.0	1207.0
25°	1217.1	1228.1	1231.1	1220.1	1213.0
27.5°	1240.2	1254.3	1250.3	1235.2	1226.1
30°	1270.4	1288.5	1279.5	1257.3	1244.2
32.5°	1310.7	1332.8	1317.7	1289.5	1269.4
35°	1361.0	1387.2	1373.1	1326.8	1297.6
37.5°	1423.4	1450.6	1433.5	1374.1	1334.8
40°	1505.0	1519.1	1494.9	1430.5	1383.2
42.5°	1593.5	1586.5	1549.3	1489.9	1443.6
45°	1683.1	1641.9	1582.5	1541.2	1508.0
47.5°	1747.6	1671.1	1586.5	1565.4	1559.3
50°	1763.7	1665.0	1560.3	1552.3	1574.4
52.5°	1718.4	1632.8	1513.0	1498.9	1539.2
55°	1617.7	1576.4	1454.6	1412.3	1449.6
57.5°	1469.7	1466.7	1362.0	1286.5	1296.6
60°	1281.5	1293.6	1225.1	1118.4	1112.4
62.5°	1078.1	1085.2	1055.0	944.2	923.1
65°	895.9	888.9	879.8	785.2	767.1
67.5°	745.9	724.8	710.7	653.3	644.3
70°	619.1	585.9	557.7	548.6	539.6
72.5°	501.3	477.2	431.9	457.0	456.0
75°	405.7	383.5	336.2	382.5	386.6
77.5°	332.2	317.1	271.8	314.1	327.2
80°	281.9	250.7	228.5	255.7	272.8
82.5°	215.4	191.3	186.2	197.3	213.4
85°	142.9	133.9	137.9	141.9	152.0
87.5°	72.5	77.5	83.6	90.6	95.6
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	18.0	19.7	18.3	20.1	20.4	17.0	18.8	17.4	19.1	19.5
	3H	19.1	20.7	19.4	21.0	21.4	18.2	19.8	18.6	20.1	20.5
	4H	19.5	21.0	19.8	21.3	21.7	18.6	20.2	19.0	20.5	20.9
	6H	19.8	21.2	20.2	21.6	22.0	19.1	20.5	19.5	20.9	21.3
	8H	20.0	21.3	20.4	21.7	22.1	19.3	20.6	19.7	21.0	21.4
	12H	20.1	21.4	20.5	21.8	22.2	19.5	20.8	19.9	21.1	21.6
4H	2H	18.4	19.9	18.8	20.2	20.6	17.6	19.1	18.0	19.5	19.9
	3H	19.6	20.9	20.1	21.3	21.7	18.9	20.2	19.3	20.6	21.0
	4H	20.1	21.3	20.6	21.7	22.2	19.5	20.7	19.9	21.1	21.5
	6H	20.6	21.7	21.1	22.1	22.5	20.1	21.1	20.5	21.5	22.0
	8H	20.9	21.8	21.3	22.3	22.7	20.3	21.3	20.8	21.7	22.2
	12H	21.1	21.9	21.5	22.4	22.9	20.6	21.5	21.1	21.9	22.4
8H	4H	20.3	21.3	20.8	21.7	22.2	19.7	20.7	20.2	21.1	21.6
	6H	20.9	21.7	21.4	22.2	22.7	20.4	21.2	20.9	21.7	22.2
	8H	21.2	21.9	21.7	22.4	22.9	20.8	21.5	21.3	22.0	22.5
	12H	21.5	22.1	22.0	22.6	23.2	21.1	21.8	21.6	22.3	22.8
12H	4H	20.3	21.2	20.8	21.7	22.1	19.8	20.6	20.2	21.1	21.6
	6H	21.0	21.7	21.5	22.2	22.7	20.5	21.2	21.0	21.7	22.2
	8H	21.3	22.0	21.8	22.4	23.0	20.9	21.5	21.4	22.0	22.6















(END OF REPORT)