

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: P1526922

Luminaire Tested: 24CGTX-65-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526922
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-65-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

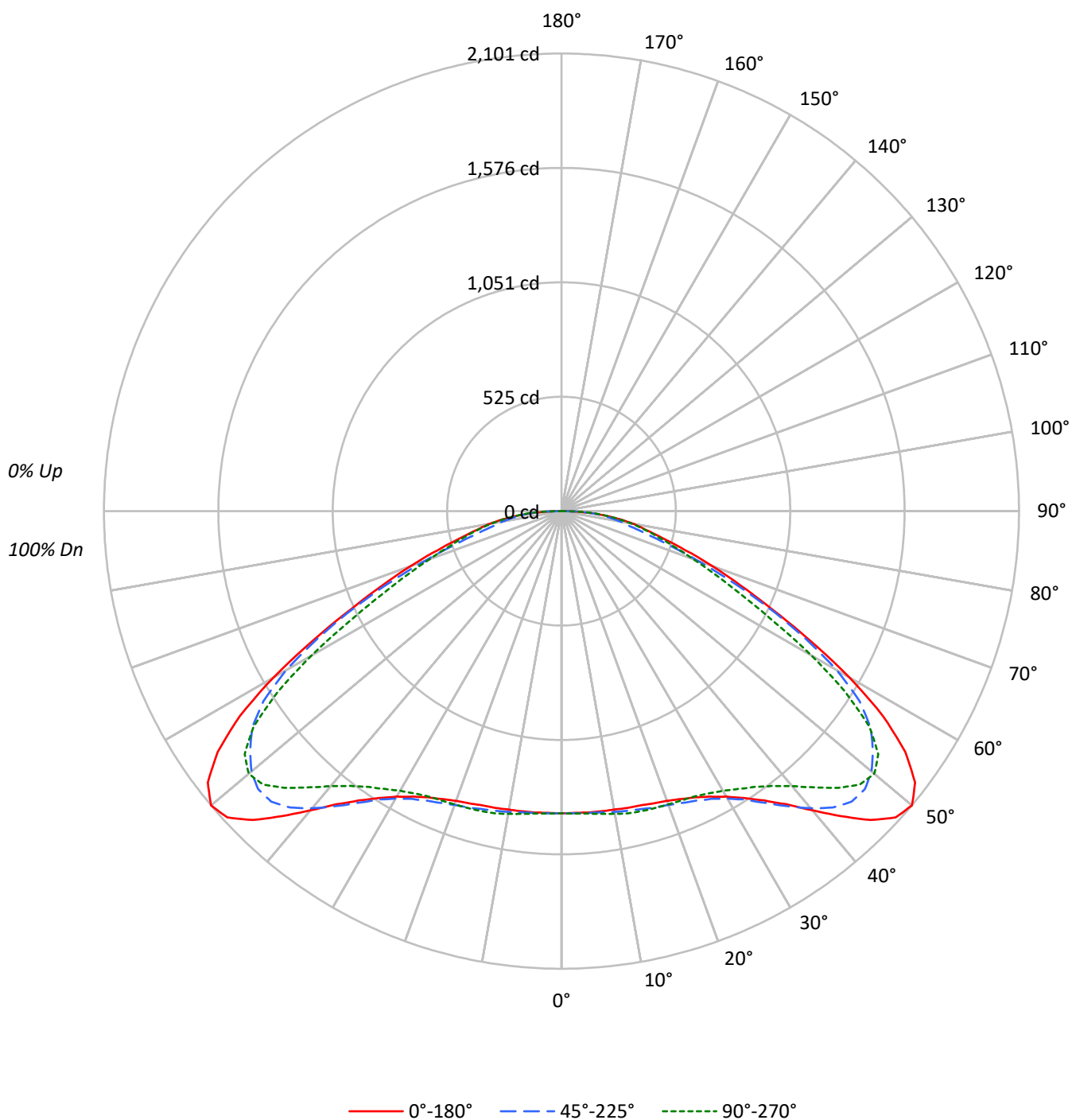
Lumens per Lamp: N/A
Luminaire Lumens: 6925.9 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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
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°	1867	1867	1867
5°	1875	1879	1882
10°	1900	1915	1928
15°	1948	1973	1986
20°	2026	2055	2052
25°	2152	2177	2145
30°	2351	2368	2303
35°	2663	2687	2539
40°	3149	3128	2894
45°	3815	3587	3418
50°	4398	3891	3926
55°	4521	4065	4051
60°	4108	3927	3566
65°	3398	3337	2909
70°	2901	2613	2529
75°	2512	2082	2394
80°	2602	2109	2518
85°	2629	2536	2796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	1.9
10°-20°	401.6	5.8
20°-30°	678.3	9.8
30°-40°	1021.1	14.7
40°-50°	1452.0	21.0
50°-60°	1558.3	22.5
60°-70°	1015.5	14.7
70°-80°	488.3	7.0
80°-90°	177.7	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°	1213.0	17.5
0°-40°	2234.1	32.3
0°-60°	5244.4	75.7
0°-90°	6925.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6925.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1387	1387	1387	1387	1387	
5°	1389	1390	1391	1396	1393	133
15°	1398	1405	1416	1425	1426	397
25°	1450	1463	1467	1453	1445	675
35°	1621	1652	1636	1580	1546	1029
45°	2005	1956	1885	1836	1796	1539
55°	1927	1878	1733	1682	1727	1686
65°	1067	1059	1048	935	914	1080
75°	483	457	400	456	460	531
85°	170	160	164	169	181	185
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1387.4	1387.4	1387.4	1387.4	1387.4
2.5°	1386.2	1387.4	1388.6	1389.8	1389.8
5°	1388.6	1389.8	1391.0	1395.8	1393.4
7.5°	1389.8	1391.0	1394.6	1401.8	1401.8
10°	1391.0	1394.6	1401.8	1409.0	1411.4
12.5°	1395.8	1399.4	1409.0	1418.6	1421.0
15°	1398.2	1405.4	1416.2	1424.6	1425.8
17.5°	1406.6	1413.8	1425.8	1429.4	1429.4
20°	1415.0	1424.6	1435.4	1435.4	1433.0
22.5°	1430.6	1441.4	1449.8	1442.6	1437.8
25°	1449.8	1463.0	1466.6	1453.4	1445.0
27.5°	1477.4	1494.2	1489.4	1471.4	1460.6
30°	1513.4	1534.9	1524.2	1497.8	1482.2
32.5°	1561.3	1587.7	1569.7	1536.1	1512.2
35°	1621.3	1652.5	1635.7	1580.5	1545.7
37.5°	1695.6	1728.0	1707.6	1636.9	1590.1
40°	1792.8	1809.6	1780.8	1704.0	1647.7
42.5°	1898.3	1889.9	1845.5	1774.8	1719.6
45°	2005.0	1955.9	1885.1	1835.9	1796.4
47.5°	2081.8	1990.6	1889.9	1864.7	1857.5
50°	2101.0	1983.4	1858.7	1849.1	1875.5
52.5°	2047.0	1945.1	1802.4	1785.6	1833.5
55°	1927.1	1877.9	1732.8	1682.4	1726.8
57.5°	1750.8	1747.2	1622.5	1532.5	1544.5
60°	1526.6	1540.9	1459.4	1332.3	1325.1
62.5°	1284.3	1292.7	1256.7	1124.8	1099.6
65°	1067.3	1058.9	1048.1	935.4	913.8
67.5°	888.6	863.4	846.6	778.3	767.5
70°	737.5	697.9	664.3	653.6	642.8
72.5°	597.2	568.4	514.4	544.4	543.2
75°	483.3	456.9	400.5	455.7	460.5
77.5°	395.7	377.7	323.8	374.1	389.7
80°	335.8	298.6	272.2	304.6	325.0
82.5°	256.6	227.8	221.8	235.0	254.2
85°	170.3	159.5	164.3	169.1	181.1
87.5°	86.3	92.3	99.5	107.9	113.9
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	18.6	20.3	18.9	20.7	21.0	17.7	19.4	18.0	19.7	20.1
	3H	19.7	21.3	20.0	21.6	22.0	18.8	20.4	19.2	20.7	21.1
	4H	20.1	21.6	20.5	21.9	22.3	19.3	20.8	19.6	21.1	21.5
	6H	20.4	21.8	20.8	22.2	22.6	19.7	21.1	20.1	21.5	21.9
	8H	20.6	21.9	21.0	22.3	22.7	19.9	21.2	20.3	21.6	22.0
	12H	20.7	22.0	21.1	22.4	22.8	20.1	21.4	20.5	21.7	22.2
4H	2H	19.0	20.5	19.4	20.8	21.2	18.2	19.7	18.6	20.1	20.5
	3H	20.3	21.5	20.7	21.9	22.3	19.5	20.8	19.9	21.2	21.6
	4H	20.8	21.9	21.2	22.3	22.8	20.1	21.3	20.5	21.7	22.1
	6H	21.2	22.3	21.7	22.7	23.2	20.7	21.7	21.1	22.2	22.6
	8H	21.5	22.4	21.9	22.9	23.3	21.0	21.9	21.4	22.3	22.8
	12H	21.7	22.5	22.1	23.0	23.5	21.2	22.1	21.7	22.5	23.0
8H	4H	20.9	21.9	21.4	22.3	22.8	20.3	21.3	20.8	21.7	22.2
	6H	21.5	22.3	22.0	22.8	23.3	21.0	21.8	21.5	22.3	22.8
	8H	21.8	22.5	22.3	23.0	23.5	21.4	22.1	21.9	22.6	23.1
	12H	22.1	22.7	22.6	23.2	23.8	21.7	22.4	22.2	22.9	23.4
12H	4H	20.9	21.8	21.4	22.3	22.7	20.4	21.2	20.8	21.7	22.2
	6H	21.6	22.3	22.1	22.8	23.3	21.1	21.8	21.6	22.3	22.8
	8H	21.9	22.6	22.4	23.1	23.6	21.5	22.1	22.0	22.6	23.2













(END OF REPORT)