

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: P1526926

Luminaire Tested: 24CGTX-65HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526926
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-65HE-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

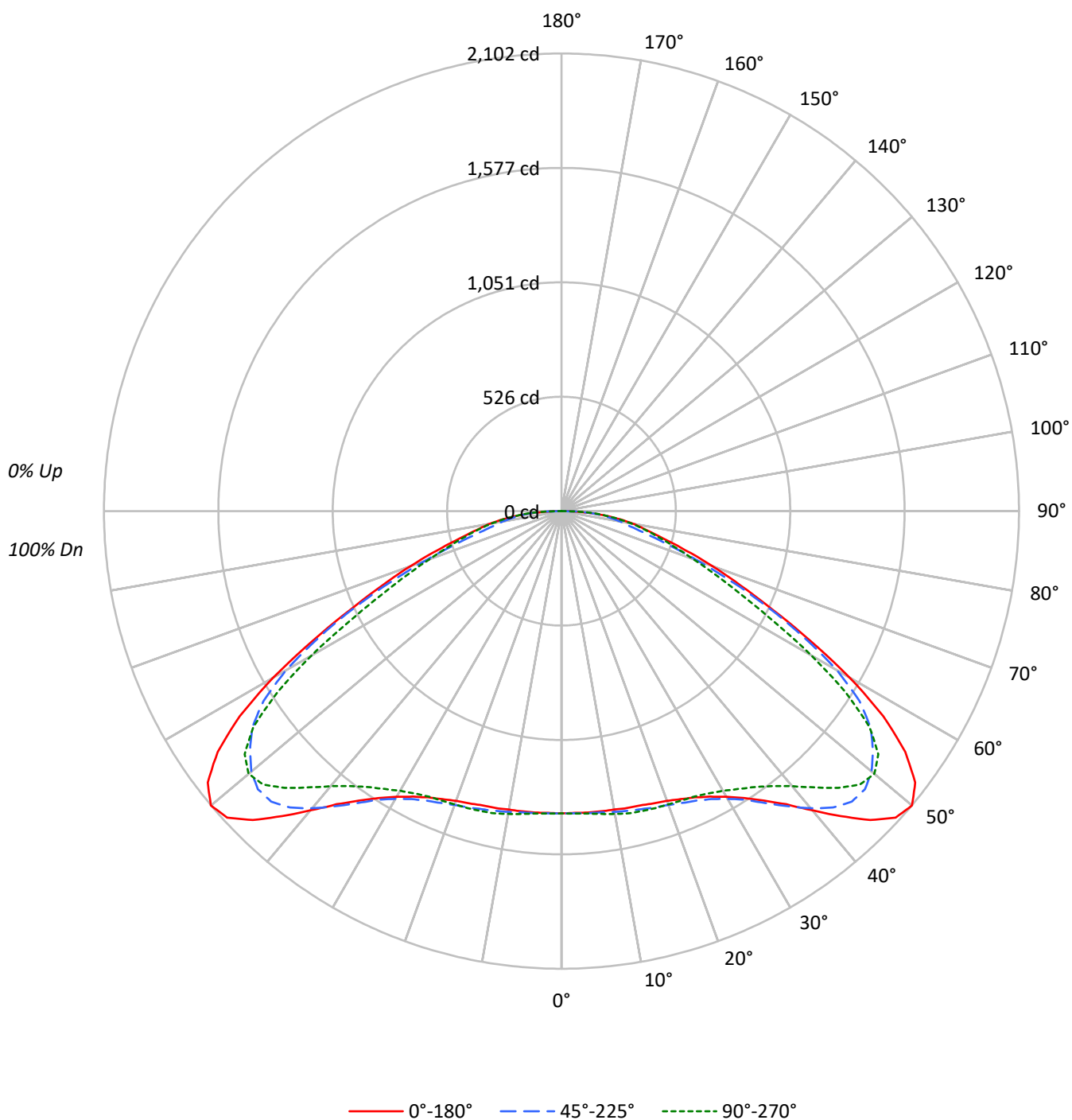
Lumens per Lamp: N/A
Luminaire Lumens: 6930.3 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.9
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

TEST NUMBER: P1526926

CATALOG NUMBER: 24CGTX-65HE-A125-L840

Luminous Intensity Polar Plot



CATALOG NUMBER: 24CGTX-65HE-A125-L840

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	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°	1868	1868	1868
5°	1877	1880	1883
10°	1902	1916	1930
15°	1949	1974	1987
20°	2027	2057	2053
25°	2154	2179	2147
30°	2353	2369	2304
35°	2665	2688	2541
40°	3151	3130	2896
45°	3818	3589	3420
50°	4401	3893	3928
55°	4523	4067	4053
60°	4110	3930	3568
65°	3400	3339	2911
70°	2903	2615	2530
75°	2514	2084	2396
80°	2603	2111	2520
85°	2631	2538	2797

MAXIMUM LUMINANCE 45°-90°:

Luminance: 4527 cd/sqm

TEST NUMBER: P1526926

CATALOG NUMBER: 24CGTX-65HE-A125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	1.9
10°-20°	401.8	5.8
20°-30°	678.7	9.8
30°-40°	1021.8	14.7
40°-50°	1452.9	21.0
50°-60°	1559.3	22.5
60°-70°	1016.1	14.7
70°-80°	488.6	7.1
80°-90°	177.8	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°	1213.8	17.5
0°-40°	2235.5	32.3
0°-60°	5247.7	75.7
0°-90°	6930.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6930.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1388	1388	1388	1388	1388	
5°	1390	1391	1392	1397	1394	133
15°	1399	1406	1417	1426	1427	398
25°	1451	1464	1468	1454	1446	675
35°	1622	1654	1637	1582	1547	1030
45°	2006	1957	1886	1837	1798	1540
55°	1928	1879	1734	1684	1728	1687
65°	1068	1060	1049	936	914	1081
75°	484	457	401	456	461	531
85°	170	160	164	169	181	185
90°	0	0	0	0	0	

TEST NUMBER: P1526926

CATALOG NUMBER: 24CGTX-65HE-A125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1388.3	1388.3	1388.3	1388.3	1388.3
2.5°	1387.1	1388.3	1389.5	1390.7	1390.7
5°	1389.5	1390.7	1391.9	1396.7	1394.3
7.5°	1390.7	1391.9	1395.5	1402.7	1402.7
10°	1391.9	1395.5	1402.7	1409.9	1412.3
12.5°	1396.7	1400.3	1409.9	1419.5	1421.9
15°	1399.1	1406.3	1417.1	1425.5	1426.7
17.5°	1407.5	1414.7	1426.7	1430.3	1430.3
20°	1415.9	1425.5	1436.3	1436.3	1433.9
22.5°	1431.5	1442.3	1450.7	1443.5	1438.7
25°	1450.7	1463.9	1467.5	1454.3	1445.9
27.5°	1478.3	1495.1	1490.3	1472.3	1461.5
30°	1514.3	1535.9	1525.1	1498.7	1483.1
32.5°	1562.3	1588.7	1570.7	1537.1	1513.1
35°	1622.3	1653.5	1636.7	1581.5	1546.7
37.5°	1696.7	1729.1	1708.7	1637.9	1591.1
40°	1793.9	1810.7	1781.9	1705.1	1648.7
42.5°	1899.5	1891.1	1846.7	1775.9	1720.7
45°	2006.3	1957.1	1886.3	1837.1	1797.5
47.5°	2083.1	1991.9	1891.1	1865.9	1858.7
50°	2102.3	1984.7	1859.9	1850.3	1876.7
52.5°	2048.3	1946.3	1803.5	1786.7	1834.7
55°	1928.3	1879.1	1733.9	1683.5	1727.9
57.5°	1751.9	1748.3	1623.5	1533.5	1545.5
60°	1527.5	1541.9	1460.3	1333.1	1325.9
62.5°	1285.1	1293.5	1257.5	1125.5	1100.3
65°	1067.9	1059.5	1048.7	935.9	914.3
67.5°	889.1	863.9	847.1	778.7	767.9
70°	738.0	698.4	664.8	654.0	643.2
72.5°	597.6	568.8	514.8	544.8	543.6
75°	483.6	457.2	400.8	456.0	460.8
77.5°	396.0	378.0	324.0	374.4	390.0
80°	336.0	298.8	272.4	304.8	325.2
82.5°	256.8	228.0	222.0	235.2	254.4
85°	170.4	159.6	164.4	169.2	181.2
87.5°	86.4	92.4	99.6	108.0	114.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526926

CATALOG NUMBER: 24CGTX-65HE-A125-L840

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	19.8	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	19.7	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	21.8	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	21.3	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	22.4	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	22.8	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	22.8	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)