

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: P1526924

Luminaire Tested: 24CGTX-65HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526924
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

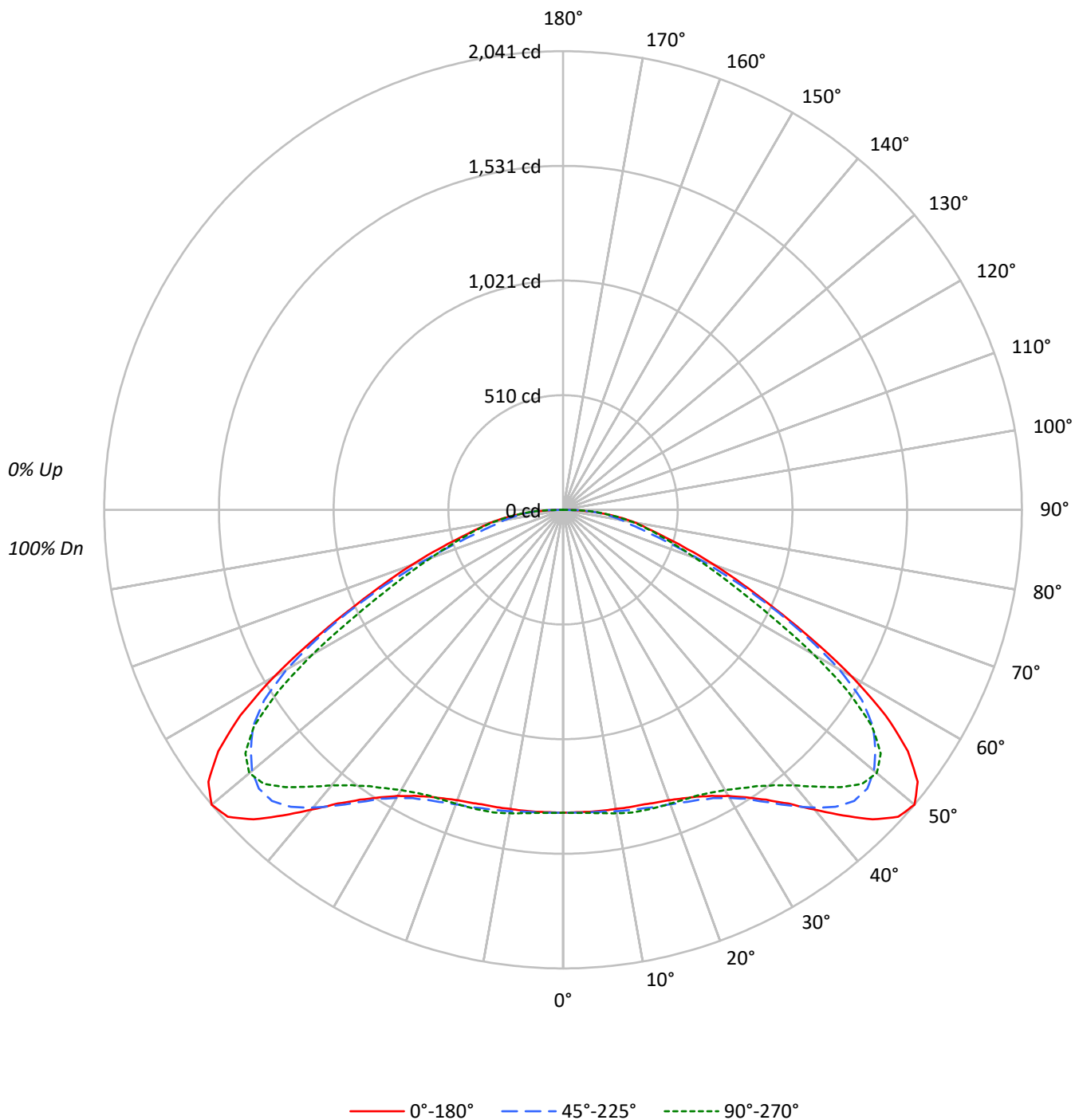
Lumens per Lamp: N/A
Luminaire Lumens: 6728.4 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	1814	1814	1814
5°	1822	1825	1828
10°	1846	1861	1873
15°	1892	1916	1930
20°	1968	1997	1993
25°	2091	2115	2084
30°	2284	2300	2237
35°	2587	2610	2466
40°	3059	3039	2811
45°	3706	3485	3321
50°	4272	3780	3814
55°	4392	3949	3935
60°	3991	3815	3464
65°	3301	3242	2826
70°	2819	2539	2456
75°	2441	2023	2325
80°	2528	2049	2446
85°	2553	2464	2716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4395 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	1.9
10°-20°	390.1	5.8
20°-30°	659.0	9.8
30°-40°	992.0	14.7
40°-50°	1410.6	21.0
50°-60°	1513.8	22.5
60°-70°	986.6	14.7
70°-80°	474.4	7.1
80°-90°	172.6	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°	1178.4	17.5
0°-40°	2170.4	32.3
0°-60°	5094.8	75.7
0°-90°	6728.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6728.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1349	1350	1351	1356	1354	129
15°	1358	1365	1376	1384	1385	386
25°	1408	1421	1425	1412	1404	656
35°	1575	1605	1589	1535	1502	1000
45°	1948	1900	1831	1784	1745	1495
55°	1872	1824	1683	1634	1678	1638
65°	1037	1029	1018	909	888	1049
75°	470	444	389	443	447	516
85°	165	155	160	164	176	180
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1347.9	1347.9	1347.9	1347.9	1347.9
2.5°	1346.7	1347.9	1349.0	1350.2	1350.2
5°	1349.0	1350.2	1351.4	1356.0	1353.7
7.5°	1350.2	1351.4	1354.9	1361.9	1361.9
10°	1351.4	1354.9	1361.9	1368.8	1371.2
12.5°	1356.0	1359.5	1368.8	1378.2	1380.5
15°	1358.4	1365.3	1375.8	1384.0	1385.2
17.5°	1366.5	1373.5	1385.2	1388.6	1388.6
20°	1374.7	1384.0	1394.5	1394.5	1392.1
22.5°	1389.8	1400.3	1408.5	1401.5	1396.8
25°	1408.5	1421.3	1424.8	1411.9	1403.8
27.5°	1435.2	1451.6	1446.9	1429.4	1418.9
30°	1470.2	1491.2	1480.7	1455.0	1439.9
32.5°	1516.8	1542.4	1524.9	1492.3	1469.0
35°	1575.0	1605.3	1589.0	1535.4	1501.6
37.5°	1647.3	1678.7	1658.9	1590.2	1544.8
40°	1741.6	1757.9	1730.0	1655.4	1600.7
42.5°	1844.2	1836.0	1792.9	1724.2	1670.6
45°	1947.8	1900.1	1831.3	1783.6	1745.1
47.5°	2022.4	1933.9	1836.0	1811.5	1804.5
50°	2041.0	1926.9	1805.7	1796.4	1822.0
52.5°	1988.6	1889.6	1751.0	1734.6	1781.2
55°	1872.1	1824.3	1683.4	1634.5	1677.6
57.5°	1700.9	1697.4	1576.2	1488.8	1500.5
60°	1483.0	1497.0	1417.8	1294.3	1287.3
62.5°	1247.7	1255.8	1220.9	1092.7	1068.3
65°	1036.8	1028.7	1018.2	908.7	887.7
67.5°	863.2	838.8	822.5	756.1	745.6
70°	716.5	678.0	645.4	634.9	624.4
72.5°	580.2	552.2	499.8	528.9	527.7
75°	469.5	443.9	389.1	442.7	447.3
77.5°	384.4	367.0	314.5	363.5	378.6
80°	326.2	290.1	264.4	295.9	315.7
82.5°	249.3	221.3	215.5	228.3	247.0
85°	165.4	154.9	159.6	164.3	175.9
87.5°	83.9	89.7	96.7	104.8	110.7
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	18.5	20.2	18.8	20.6	20.9	17.6	19.3	17.9	19.6	20.0
	3H	19.6	21.2	19.9	21.5	21.9	18.7	20.3	19.1	20.6	21.0
	4H	20.0	21.5	20.4	21.8	22.2	19.2	20.7	19.5	21.0	21.4
	6H	20.3	21.7	20.7	22.1	22.5	19.6	21.0	20.0	21.4	21.8
	8H	20.5	21.8	20.9	22.2	22.6	19.8	21.1	20.2	21.5	21.9
	12H	20.6	21.9	21.0	22.3	22.7	20.0	21.3	20.4	21.6	22.1
4H	2H	18.9	20.4	19.3	20.7	21.1	18.1	19.6	18.5	20.0	20.4
	3H	20.2	21.4	20.6	21.8	22.2	19.4	20.7	19.8	21.1	21.5
	4H	20.7	21.8	21.1	22.2	22.7	20.0	21.2	20.4	21.6	22.0
	6H	21.1	22.2	21.6	22.6	23.1	20.6	21.6	21.0	22.1	22.5
	8H	21.4	22.3	21.8	22.8	23.2	20.9	21.8	21.3	22.2	22.7
	12H	21.6	22.4	22.0	22.9	23.4	21.1	22.0	21.6	22.4	22.9
8H	4H	20.8	21.8	21.3	22.2	22.7	20.2	21.2	20.7	21.6	22.1
	6H	21.4	22.2	21.9	22.7	23.2	20.9	21.7	21.4	22.2	22.7
	8H	21.7	22.4	22.2	22.9	23.4	21.3	22.0	21.8	22.5	23.0
	12H	22.0	22.6	22.5	23.1	23.7	21.6	22.3	22.1	22.8	23.3
12H	4H	20.8	21.7	21.3	22.2	22.6	20.3	21.1	20.7	21.6	22.1
	6H	21.5	22.2	22.0	22.7	23.2	21.0	21.7	21.5	22.2	22.7
	8H	21.8	22.5	22.3	23.0	23.5	21.4	22.0	21.9	22.5	23.1













(END OF REPORT)