

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: P1526927

Luminaire Tested: 24CGTX-65HE-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526927
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

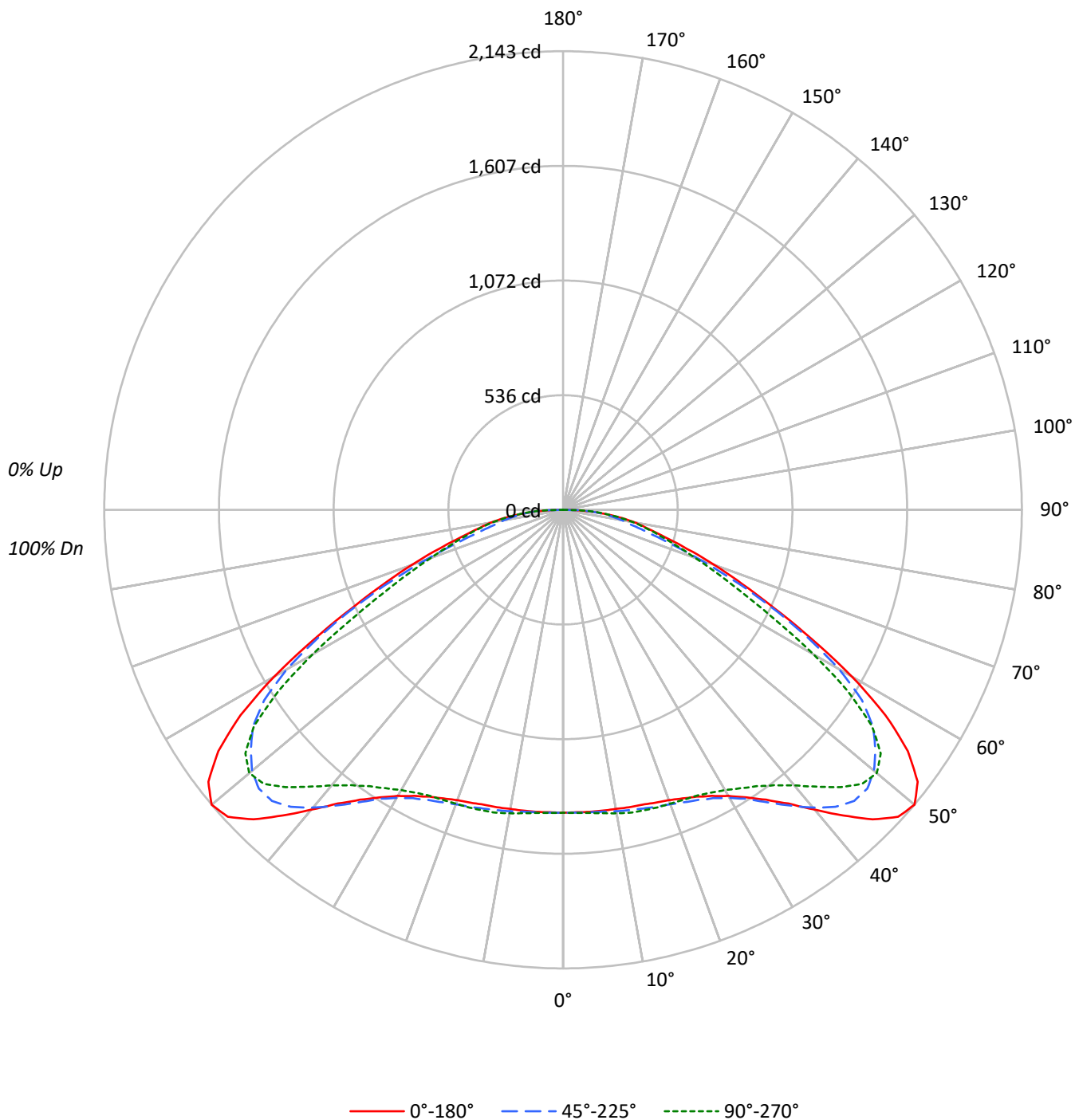
Lumens per Lamp: N/A
Luminaire Lumens: 7064.8 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	1904	1904	1904
5°	1913	1916	1920
10°	1939	1954	1967
15°	1987	2012	2026
20°	2067	2096	2093
25°	2196	2221	2188
30°	2398	2415	2349
35°	2716	2741	2590
40°	3212	3191	2952
45°	3892	3659	3487
50°	4486	3969	4005
55°	4611	4146	4132
60°	4190	4006	3637
65°	3466	3404	2968
70°	2960	2666	2579
75°	2563	2124	2442
80°	2654	2152	2569
85°	2682	2587	2851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4615 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	1.9
10°-20°	409.6	5.8
20°-30°	691.9	9.8
30°-40°	1041.6	14.7
40°-50°	1481.1	21.0
50°-60°	1589.5	22.5
60°-70°	1035.9	14.7
70°-80°	498.1	7.1
80°-90°	181.3	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°	1237.4	17.5
0°-40°	2278.9	32.3
0°-60°	5349.6	75.7
0°-90°	7064.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7064.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1415	1415	1415	1415	1415	
5°	1416	1418	1419	1424	1421	135
15°	1426	1434	1445	1453	1454	405
25°	1479	1492	1496	1482	1474	689
35°	1654	1686	1668	1612	1577	1050
45°	2045	1995	1923	1873	1832	1570
55°	1966	1916	1768	1716	1761	1720
65°	1089	1080	1069	954	932	1102
75°	493	466	409	465	470	541
85°	174	163	168	172	185	189
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1415.3	1415.3	1415.3	1415.3	1415.3
2.5°	1414.0	1415.3	1416.5	1417.7	1417.7
5°	1416.5	1417.7	1418.9	1423.8	1421.4
7.5°	1417.7	1418.9	1422.6	1429.9	1429.9
10°	1418.9	1422.6	1429.9	1437.3	1439.7
12.5°	1423.8	1427.5	1437.3	1447.1	1449.5
15°	1426.3	1433.6	1444.6	1453.2	1454.4
17.5°	1434.8	1442.2	1454.4	1458.1	1458.1
20°	1443.4	1453.2	1464.2	1464.2	1461.7
22.5°	1459.3	1470.3	1478.9	1471.5	1466.6
25°	1478.9	1492.3	1496.0	1482.5	1474.0
27.5°	1507.0	1524.1	1519.2	1500.9	1489.9
30°	1543.7	1565.7	1554.7	1527.8	1511.9
32.5°	1592.6	1619.5	1601.2	1566.9	1542.5
35°	1653.8	1685.6	1668.5	1612.2	1576.7
37.5°	1729.6	1762.7	1741.9	1669.7	1622.0
40°	1828.7	1845.8	1816.5	1738.2	1680.7
42.5°	1936.4	1927.8	1882.5	1810.4	1754.1
45°	2045.2	1995.1	1922.9	1872.8	1832.4
47.5°	2123.5	2030.5	1927.8	1902.1	1894.8
50°	2143.1	2023.2	1896.0	1886.2	1913.1
52.5°	2088.0	1984.1	1838.5	1821.4	1870.3
55°	1965.7	1915.6	1767.6	1716.2	1761.4
57.5°	1785.9	1782.2	1655.0	1563.3	1575.5
60°	1557.2	1571.8	1488.7	1359.0	1351.7
62.5°	1310.1	1318.6	1281.9	1147.4	1121.7
65°	1088.7	1080.1	1069.1	954.1	932.1
67.5°	906.4	880.7	863.6	793.9	782.9
70°	752.3	711.9	677.7	666.7	655.6
72.5°	609.2	579.8	524.8	555.3	554.1
75°	493.0	466.0	408.6	464.8	469.7
77.5°	403.7	385.3	330.3	381.6	397.5
80°	342.5	304.6	277.7	310.7	331.5
82.5°	261.8	232.4	226.3	239.8	259.3
85°	173.7	162.7	167.6	172.5	184.7
87.5°	88.1	94.2	101.5	110.1	116.2
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	20.4	19.0	20.7	21.0	17.7	19.5	18.1	19.8	20.1
	3H	19.7	21.4	20.1	21.7	22.0	18.9	20.5	19.2	20.8	21.2
	4H	20.1	21.7	20.5	22.0	22.4	19.3	20.8	19.7	21.2	21.6
	6H	20.5	21.9	20.9	22.3	22.7	19.8	21.2	20.2	21.5	21.9
	8H	20.6	22.0	21.1	22.4	22.8	20.0	21.3	20.4	21.7	22.1
	12H	20.8	22.1	21.2	22.5	22.9	20.1	21.4	20.6	21.8	22.2
4H	2H	19.0	20.6	19.4	20.9	21.3	18.3	19.8	18.7	20.2	20.5
	3H	20.3	21.6	20.7	22.0	22.4	19.6	20.9	20.0	21.3	21.7
	4H	20.8	22.0	21.3	22.4	22.8	20.2	21.3	20.6	21.8	22.2
	6H	21.3	22.3	21.8	22.8	23.2	20.8	21.8	21.2	22.2	22.7
	8H	21.5	22.5	22.0	22.9	23.4	21.0	22.0	21.5	22.4	22.9
	12H	21.7	22.6	22.2	23.1	23.5	21.3	22.1	21.7	22.6	23.1
8H	4H	21.0	21.9	21.4	22.4	22.8	20.4	21.4	20.9	21.8	22.3
	6H	21.6	22.4	22.1	22.9	23.3	21.1	21.9	21.6	22.4	22.9
	8H	21.9	22.6	22.4	23.1	23.6	21.5	22.2	22.0	22.7	23.2
	12H	22.2	22.8	22.7	23.3	23.9	21.8	22.5	22.3	22.9	23.5
12H	4H	21.0	21.9	21.5	22.4	22.8	20.4	21.3	20.9	21.8	22.2
	6H	21.6	22.4	22.2	22.8	23.4	21.2	21.9	21.7	22.4	22.9
	8H	22.0	22.6	22.5	23.1	23.7	21.6	22.2	22.1	22.7	23.3















(END OF REPORT)