

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: P1526925

Luminaire Tested: 24CGTX-65HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526925
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

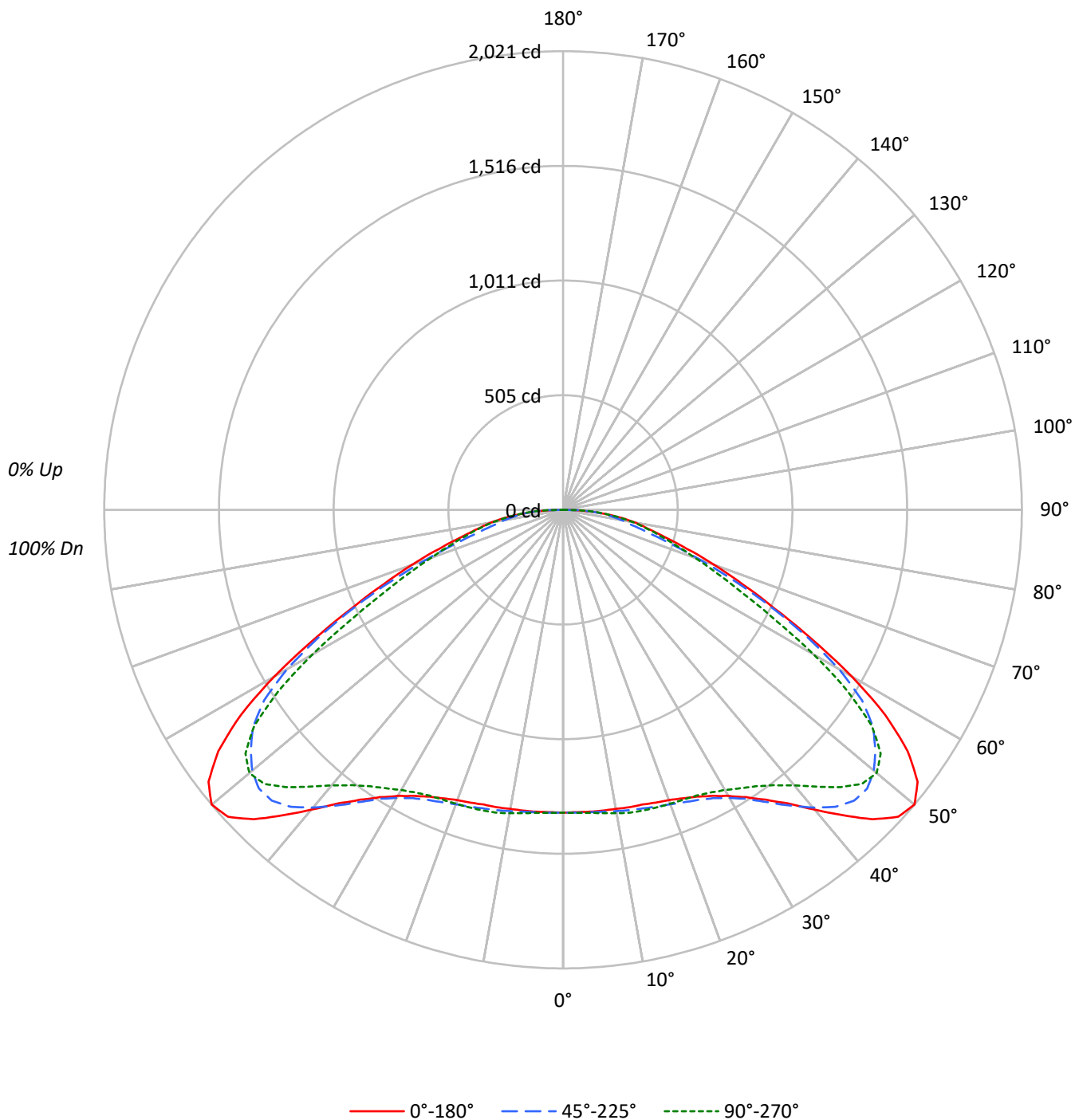
Lumens per Lamp: N/A
Luminaire Lumens: 6661.1 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1795	1795	1795
5°	1804	1807	1810
10°	1828	1842	1855
15°	1873	1897	1910
20°	1949	1977	1973
25°	2070	2094	2063
30°	2261	2277	2215
35°	2561	2584	2442
40°	3028	3008	2783
45°	3669	3450	3287
50°	4230	3742	3776
55°	4348	3909	3896
60°	3951	3777	3429
65°	3268	3209	2798
70°	2790	2513	2432
75°	2416	2002	2302
80°	2502	2029	2422
85°	2529	2439	2689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4351 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	1.9
10°-20°	386.2	5.8
20°-30°	652.4	9.8
30°-40°	982.1	14.7
40°-50°	1396.5	21.0
50°-60°	1498.7	22.5
60°-70°	976.7	14.7
70°-80°	469.6	7.1
80°-90°	170.9	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°	1166.7	17.5
0°-40°	2148.7	32.3
0°-60°	5043.9	75.7
0°-90°	6661.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6661.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1336	1337	1338	1342	1340	128
15°	1345	1352	1362	1370	1371	382
25°	1394	1407	1410	1398	1390	649
35°	1559	1589	1573	1520	1487	990
45°	1928	1881	1813	1766	1728	1480
55°	1853	1806	1667	1618	1661	1621
65°	1026	1018	1008	900	879	1039
75°	465	439	385	438	443	510
85°	164	153	158	163	174	178
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1334.4	1334.4	1334.4	1334.4	1334.4
2.5°	1333.2	1334.4	1335.5	1336.7	1336.7
5°	1335.5	1336.7	1337.9	1342.5	1340.2
7.5°	1336.7	1337.9	1341.3	1348.2	1348.2
10°	1337.9	1341.3	1348.2	1355.2	1357.5
12.5°	1342.5	1345.9	1355.2	1364.4	1366.7
15°	1344.8	1351.7	1362.1	1370.1	1371.3
17.5°	1352.8	1359.8	1371.3	1374.8	1374.8
20°	1360.9	1370.1	1380.5	1380.5	1378.2
22.5°	1375.9	1386.3	1394.4	1387.4	1382.8
25°	1394.4	1407.1	1410.5	1397.8	1389.8
27.5°	1420.9	1437.0	1432.4	1415.1	1404.7
30°	1455.5	1476.3	1465.9	1440.5	1425.5
32.5°	1501.6	1527.0	1509.7	1477.4	1454.3
35°	1559.3	1589.3	1573.1	1520.1	1486.6
37.5°	1630.8	1661.9	1642.3	1574.3	1529.3
40°	1724.2	1740.4	1712.7	1638.9	1584.7
42.5°	1825.7	1817.6	1775.0	1706.9	1653.9
45°	1928.4	1881.1	1813.0	1765.7	1727.7
47.5°	2002.2	1914.5	1817.6	1793.4	1786.5
50°	2020.6	1907.6	1787.6	1778.4	1803.8
52.5°	1968.7	1870.7	1733.4	1717.3	1763.4
55°	1853.4	1806.1	1666.6	1618.1	1660.8
57.5°	1683.9	1680.4	1560.4	1473.9	1485.5
60°	1468.2	1482.0	1403.6	1281.3	1274.4
62.5°	1235.2	1243.3	1208.7	1081.8	1057.6
65°	1026.5	1018.4	1008.0	899.6	878.8
67.5°	854.6	830.4	814.2	748.5	738.1
70°	709.3	671.2	638.9	628.6	618.2
72.5°	574.4	546.7	494.8	523.6	522.5
75°	464.8	439.4	385.2	438.3	442.9
77.5°	380.6	363.3	311.4	359.8	374.8
80°	322.9	287.2	261.8	292.9	312.6
82.5°	246.8	219.1	213.4	226.1	244.5
85°	163.8	153.4	158.0	162.6	174.2
87.5°	83.0	88.8	95.7	103.8	109.6
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	18.4	20.2	18.8	20.5	20.8	17.5	19.3	17.9	19.6	19.9
	3H	19.5	21.1	19.9	21.5	21.8	18.7	20.3	19.0	20.6	21.0
	4H	19.9	21.5	20.3	21.8	22.2	19.1	20.6	19.5	21.0	21.4
	6H	20.3	21.7	20.7	22.1	22.5	19.6	21.0	20.0	21.3	21.7
	8H	20.4	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	19.9	21.2	20.4	21.6	22.0
4H	2H	18.8	20.4	19.2	20.7	21.1	18.1	19.6	18.5	20.0	20.3
	3H	20.1	21.4	20.5	21.8	22.2	19.4	20.7	19.8	21.1	21.5
	4H	20.6	21.8	21.1	22.2	22.6	20.0	21.1	20.4	21.6	22.0
	6H	21.1	22.1	21.6	22.6	23.0	20.6	21.6	21.0	22.0	22.5
	8H	21.3	22.3	21.8	22.7	23.2	20.8	21.8	21.3	22.2	22.7
	12H	21.5	22.4	22.0	22.9	23.3	21.1	21.9	21.5	22.4	22.9
8H	4H	20.8	21.7	21.2	22.2	22.6	20.2	21.1	20.6	21.6	22.0
	6H	21.4	22.2	21.9	22.7	23.1	20.9	21.7	21.4	22.2	22.7
	8H	21.7	22.4	22.2	22.9	23.4	21.2	22.0	21.8	22.5	23.0
	12H	22.0	22.6	22.5	23.1	23.7	21.6	22.2	22.1	22.7	23.3
12H	4H	20.8	21.7	21.3	22.1	22.6	20.2	21.1	20.7	21.6	22.0
	6H	21.4	22.2	22.0	22.6	23.2	21.0	21.7	21.5	22.1	22.7
	8H	21.8	22.4	22.3	22.9	23.5	21.4	22.0	21.9	22.5	23.1

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report













(END OF REPORT)