

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: P1526947

Luminaire Tested: 24CGTX-80HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526947
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-80HE-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

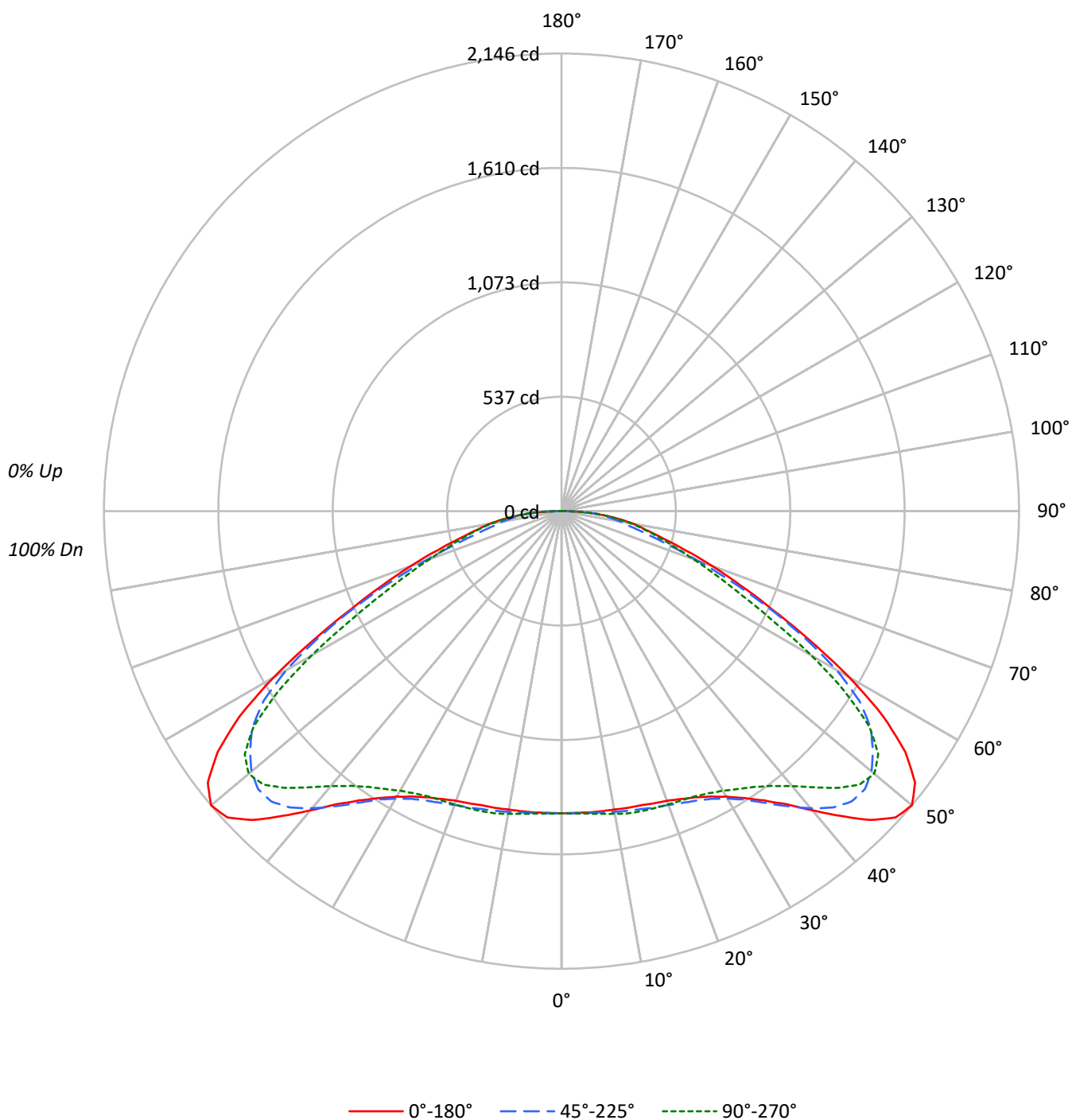
Lumens per Lamp: N/A
Luminaire Lumens: 7073.8 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63.5
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	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°	1907	1907	1907
5°	1916	1919	1922
10°	1941	1956	1970
15°	1989	2015	2029
20°	2069	2099	2096
25°	2198	2224	2191
30°	2401	2419	2352
35°	2720	2744	2593
40°	3216	3195	2956
45°	3897	3663	3491
50°	4492	3974	4010
55°	4617	4152	4137
60°	4196	4011	3642
65°	3470	3408	2971
70°	2963	2669	2583
75°	2566	2127	2445
80°	2657	2154	2572
85°	2685	2590	2854

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	1.9
10°-20°	410.1	5.8
20°-30°	692.8	9.8
30°-40°	1042.9	14.7
40°-50°	1483.0	21.0
50°-60°	1591.5	22.5
60°-70°	1037.2	14.7
70°-80°	498.7	7.0
80°-90°	181.5	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°	1238.9	17.5
0°-40°	2281.9	32.3
0°-60°	5356.4	75.7
0°-90°	7073.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7073.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1418	1420	1421	1426	1423	135
15°	1428	1435	1446	1455	1456	406
25°	1481	1494	1498	1484	1476	689
35°	1656	1688	1671	1614	1579	1051
45°	2048	1998	1925	1875	1835	1572
55°	1968	1918	1770	1718	1764	1722
65°	1090	1082	1070	955	933	1103
75°	494	467	409	465	470	542
85°	174	163	168	173	185	189
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1417.1	1417.1	1417.1	1417.1	1417.1
2.5°	1415.8	1417.1	1418.3	1419.5	1419.5
5°	1418.3	1419.5	1420.7	1425.6	1423.2
7.5°	1419.5	1420.7	1424.4	1431.8	1431.8
10°	1420.7	1424.4	1431.8	1439.1	1441.6
12.5°	1425.6	1429.3	1439.1	1448.9	1451.4
15°	1428.1	1435.4	1446.5	1455.0	1456.3
17.5°	1436.7	1444.0	1456.3	1459.9	1459.9
20°	1445.2	1455.0	1466.1	1466.1	1463.6
22.5°	1461.2	1472.2	1480.8	1473.4	1468.5
25°	1480.8	1494.2	1497.9	1484.4	1475.9
27.5°	1508.9	1526.1	1521.2	1502.8	1491.8
30°	1545.7	1567.7	1556.7	1529.7	1513.8
32.5°	1594.7	1621.6	1603.2	1568.9	1544.4
35°	1655.9	1687.7	1670.6	1614.3	1578.7
37.5°	1731.8	1764.9	1744.1	1671.8	1624.0
40°	1831.0	1848.2	1818.8	1740.4	1682.8
42.5°	1938.8	1930.2	1884.9	1812.7	1756.3
45°	2047.8	1997.6	1925.3	1875.1	1834.7
47.5°	2126.2	2033.1	1930.2	1904.5	1897.2
50°	2145.8	2025.8	1898.4	1888.6	1915.5
52.5°	2090.7	1986.6	1840.8	1823.7	1872.7
55°	1968.2	1918.0	1769.8	1718.4	1763.7
57.5°	1788.2	1784.5	1657.1	1565.3	1577.5
60°	1559.1	1573.8	1490.5	1360.7	1353.4
62.5°	1311.7	1320.3	1283.6	1148.8	1123.1
65°	1090.0	1081.5	1070.5	955.3	933.3
67.5°	907.6	881.8	864.7	794.9	783.9
70°	753.2	712.8	678.5	667.5	656.5
72.5°	609.9	580.5	525.4	556.0	554.8
75°	493.6	466.6	409.1	465.4	470.3
77.5°	404.2	385.8	330.7	382.1	398.1
80°	342.9	305.0	278.0	311.1	331.9
82.5°	262.1	232.7	226.6	240.1	259.7
85°	173.9	162.9	167.8	172.7	184.9
87.5°	88.2	94.3	101.7	110.2	116.4
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	20.9	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	21.4	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	21.8	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	21.7	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)