

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: P1526948

Luminaire Tested: 24CGTX-80HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526948
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

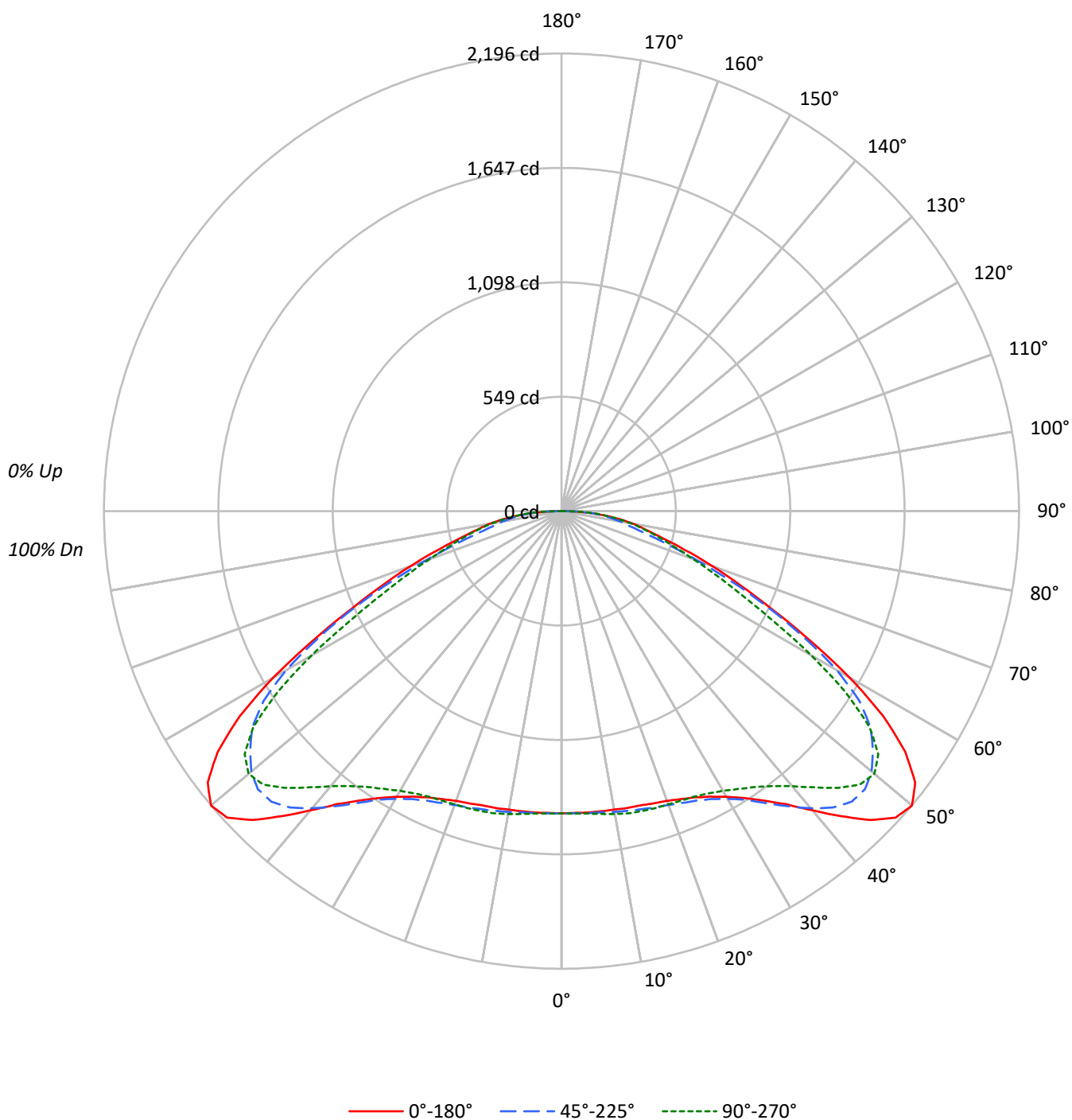
Lumens per Lamp: N/A
Luminaire Lumens: 7240.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1951	1951	1951
5°	1961	1964	1967
10°	1987	2002	2016
15°	2036	2062	2076
20°	2118	2148	2145
25°	2250	2276	2243
30°	2458	2475	2407
35°	2784	2809	2654
40°	3292	3270	3025
45°	3988	3750	3573
50°	4597	4067	4104
55°	4726	4249	4235
60°	4294	4105	3728
65°	3552	3488	3041
70°	3033	2732	2643
75°	2626	2177	2503
80°	2720	2205	2632
85°	2748	2651	2922

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 4730 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	1.9
10°-20°	419.8	5.8
20°-30°	709.1	9.8
30°-40°	1067.5	14.7
40°-50°	1517.9	21.0
50°-60°	1629.0	22.5
60°-70°	1061.6	14.7
70°-80°	510.4	7.1
80°-90°	185.8	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°	1268.1	17.5
0°-40°	2335.5	32.3
0°-60°	5482.4	75.7
0°-90°	7240.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7240.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1452	1453	1454	1459	1457	139
15°	1462	1469	1480	1489	1490	415
25°	1516	1529	1533	1519	1511	706
35°	1695	1727	1710	1652	1616	1076
45°	2096	2045	1971	1919	1878	1609
55°	2014	1963	1811	1759	1805	1762
65°	1116	1107	1096	978	955	1129
75°	505	478	419	476	481	555
85°	178	167	172	177	189	194
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1450.4	1450.4	1450.4	1450.4	1450.4
2.5°	1449.2	1450.4	1451.7	1452.9	1452.9
5°	1451.7	1452.9	1454.2	1459.2	1456.7
7.5°	1452.9	1454.2	1457.9	1465.4	1465.4
10°	1454.2	1457.9	1465.4	1473.0	1475.5
12.5°	1459.2	1462.9	1473.0	1483.0	1485.5
15°	1461.7	1469.2	1480.5	1489.3	1490.5
17.5°	1470.5	1478.0	1490.5	1494.3	1494.3
20°	1479.2	1489.3	1500.5	1500.5	1498.0
22.5°	1495.5	1506.8	1515.6	1508.1	1503.1
25°	1515.6	1529.4	1533.1	1519.4	1510.6
27.5°	1544.4	1562.0	1557.0	1538.2	1526.9
30°	1582.0	1604.6	1593.3	1565.7	1549.4
32.5°	1632.2	1659.8	1641.0	1605.9	1580.8
35°	1694.9	1727.4	1709.9	1652.2	1615.9
37.5°	1772.6	1806.4	1785.1	1711.2	1662.3
40°	1874.1	1891.7	1861.6	1781.4	1722.4
42.5°	1984.4	1975.7	1929.3	1855.3	1797.7
45°	2096.0	2044.6	1970.6	1919.2	1877.9
47.5°	2176.2	2081.0	1975.7	1949.3	1941.8
50°	2196.3	2073.4	1943.1	1933.0	1960.6
52.5°	2139.9	2033.3	1884.1	1866.6	1916.7
55°	2014.5	1963.1	1811.4	1758.8	1805.2
57.5°	1830.2	1826.5	1696.1	1602.1	1614.6
60°	1595.8	1610.9	1525.6	1392.7	1385.2
62.5°	1342.6	1351.4	1313.8	1175.9	1149.5
65°	1115.7	1106.9	1095.6	977.8	955.2
67.5°	928.9	902.6	885.0	813.6	802.3
70°	771.0	729.6	694.5	683.2	671.9
72.5°	624.3	594.2	537.8	569.1	567.9
75°	505.2	477.6	418.7	476.4	481.4
77.5°	413.7	394.9	338.5	391.1	407.4
80°	351.0	312.1	284.6	318.4	339.7
82.5°	268.3	238.2	231.9	245.7	265.8
85°	178.0	166.7	171.7	176.8	189.3
87.5°	90.3	96.5	104.0	112.8	119.1
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	18.7	20.5	19.1	20.8	21.1	17.8	19.6	18.2	19.9	20.2
	3H	19.8	21.4	20.2	21.8	22.1	18.9	20.6	19.3	20.9	21.2
	4H	20.2	21.7	20.6	22.1	22.5	19.4	20.9	19.8	21.3	21.6
	6H	20.6	22.0	21.0	22.4	22.7	19.8	21.3	20.3	21.6	22.0
	8H	20.7	22.1	21.2	22.5	22.9	20.0	21.4	20.5	21.8	22.2
	12H	20.9	22.2	21.3	22.5	23.0	20.2	21.5	20.6	21.9	22.3
4H	2H	19.1	20.7	19.5	21.0	21.4	18.4	19.9	18.8	20.2	20.6
	3H	20.4	21.7	20.8	22.1	22.5	19.7	21.0	20.1	21.4	21.8
	4H	20.9	22.1	21.3	22.5	22.9	20.3	21.4	20.7	21.8	22.3
	6H	21.4	22.4	21.9	22.9	23.3	20.8	21.9	21.3	22.3	22.8
	8H	21.6	22.6	22.1	23.0	23.5	21.1	22.1	21.6	22.5	23.0
	12H	21.8	22.7	22.3	23.2	23.6	21.4	22.2	21.8	22.7	23.2
8H	4H	21.1	22.0	21.5	22.5	22.9	20.5	21.4	20.9	21.9	22.3
	6H	21.7	22.5	22.2	23.0	23.4	21.2	22.0	21.7	22.5	22.9
	8H	22.0	22.7	22.5	23.2	23.7	21.5	22.3	22.0	22.8	23.2
	12H	22.3	22.9	22.8	23.4	23.9	21.9	22.5	22.4	23.0	23.6
12H	4H	21.1	22.0	21.6	22.4	22.9	20.5	21.4	21.0	21.9	22.3
	6H	21.7	22.5	22.2	22.9	23.4	21.3	22.0	21.8	22.4	23.0
	8H	22.1	22.7	22.6	23.2	23.8	21.7	22.3	22.2	22.8	23.3













(END OF REPORT)