

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: P1526946

Luminaire Tested: 24CGTX-80HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526946
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

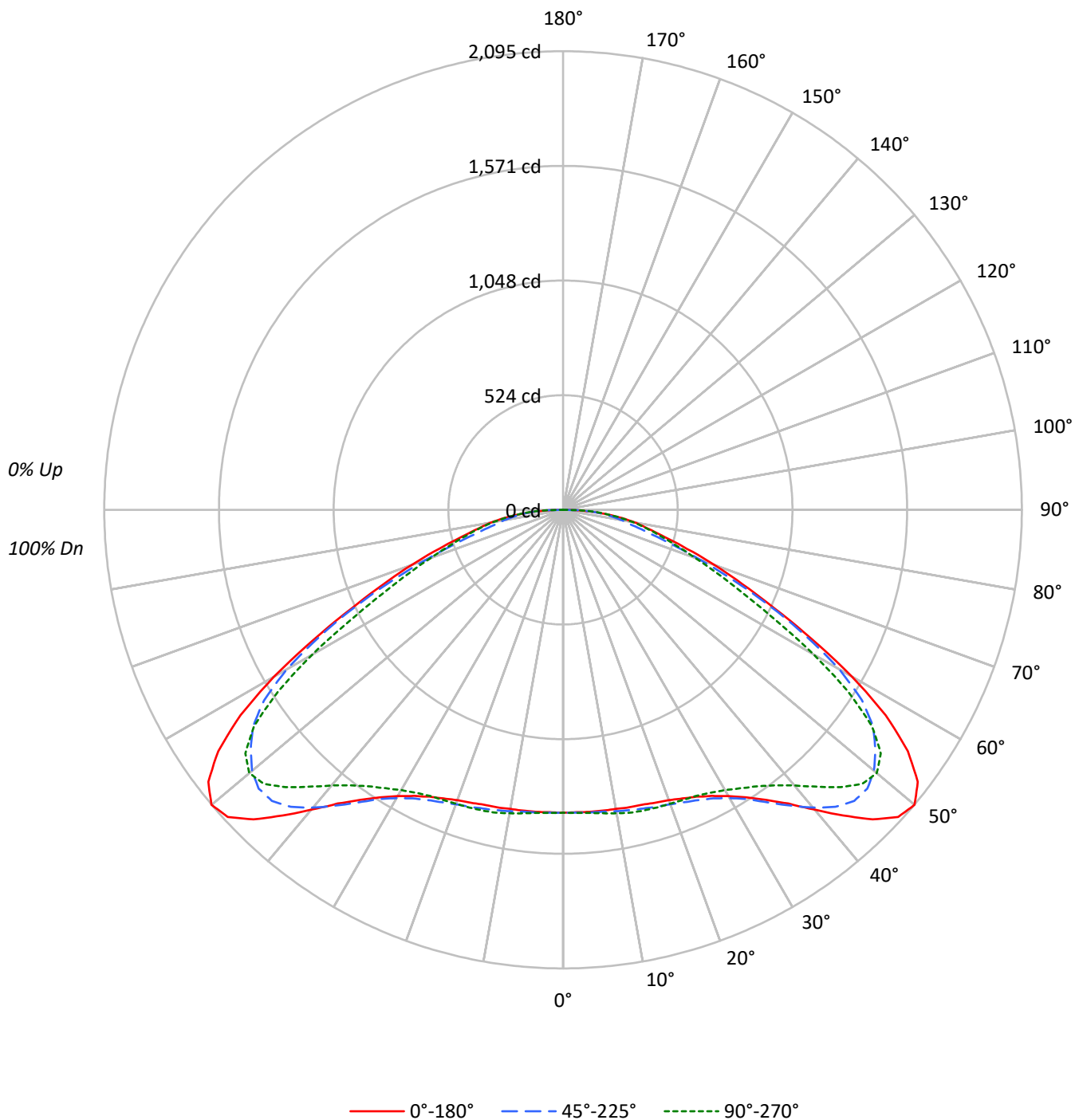
Lumens per Lamp: N/A
Luminaire Lumens: 6907.3 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1862	1862	1862
5°	1870	1874	1877
10°	1895	1910	1923
15°	1942	1967	1981
20°	2021	2050	2046
25°	2147	2171	2139
30°	2345	2362	2297
35°	2656	2679	2532
40°	3140	3119	2886
45°	3805	3577	3409
50°	4386	3880	3915
55°	4508	4054	4040
60°	4097	3917	3556
65°	3389	3328	2901
70°	2893	2607	2522
75°	2506	2076	2387
80°	2595	2104	2511
85°	2621	2529	2788

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 4512 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	1.9
10°-20°	400.5	5.8
20°-30°	676.5	9.8
30°-40°	1018.4	14.7
40°-50°	1448.1	21.0
50°-60°	1554.1	22.5
60°-70°	1012.8	14.7
70°-80°	487.0	7.1
80°-90°	177.2	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°	1209.8	17.5
0°-40°	2228.2	32.3
0°-60°	5230.3	75.7
0°-90°	6907.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6907.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1385	1386	1387	1392	1390	132
15°	1394	1402	1412	1421	1422	396
25°	1446	1459	1463	1450	1441	673
35°	1617	1648	1631	1576	1542	1026
45°	2000	1951	1880	1831	1792	1535
55°	1922	1873	1728	1678	1722	1681
65°	1064	1056	1045	933	911	1077
75°	482	456	399	454	459	529
85°	170	159	164	169	181	185
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1383.7	1383.7	1383.7	1383.7	1383.7
2.5°	1382.5	1383.7	1384.9	1386.1	1386.1
5°	1384.9	1386.1	1387.3	1392.1	1389.7
7.5°	1386.1	1387.3	1390.9	1398.1	1398.1
10°	1387.3	1390.9	1398.1	1405.2	1407.6
12.5°	1392.1	1395.7	1405.2	1414.8	1417.2
15°	1394.5	1401.7	1412.4	1420.8	1422.0
17.5°	1402.9	1410.0	1422.0	1425.6	1425.6
20°	1411.2	1420.8	1431.6	1431.6	1429.2
22.5°	1426.8	1437.5	1445.9	1438.7	1434.0
25°	1445.9	1459.1	1462.7	1449.5	1441.1
27.5°	1473.4	1490.2	1485.4	1467.4	1456.7
30°	1509.3	1530.8	1520.1	1493.7	1478.2
32.5°	1557.1	1583.4	1565.5	1532.0	1508.1
35°	1616.9	1648.0	1631.3	1576.3	1541.6
37.5°	1691.1	1723.4	1703.0	1632.5	1585.8
40°	1788.0	1804.7	1776.0	1699.5	1643.2
42.5°	1893.2	1884.8	1840.6	1770.0	1715.0
45°	1999.6	1950.6	1880.0	1831.0	1791.5
47.5°	2076.2	1985.3	1884.8	1859.7	1852.5
50°	2095.3	1978.1	1853.7	1844.2	1870.5
52.5°	2041.5	1939.8	1797.5	1780.8	1828.6
55°	1921.9	1872.9	1728.2	1677.9	1722.2
57.5°	1746.1	1742.5	1618.1	1528.4	1540.4
60°	1522.5	1536.8	1455.5	1328.7	1321.5
62.5°	1280.9	1289.2	1253.4	1121.8	1096.7
65°	1064.4	1056.0	1045.3	932.8	911.3
67.5°	886.2	861.1	844.3	776.2	765.4
70°	735.5	696.0	662.6	651.8	641.0
72.5°	595.6	566.9	513.1	543.0	541.8
75°	482.0	455.7	399.4	454.5	459.2
77.5°	394.7	376.7	322.9	373.1	388.7
80°	334.9	297.8	271.5	303.8	324.1
82.5°	255.9	227.2	221.3	234.4	253.5
85°	169.8	159.1	163.8	168.6	180.6
87.5°	86.1	92.1	99.3	107.6	113.6
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	18.6	20.3	18.9	20.7	21.0	17.6	19.4	18.0	19.7	20.1
	3H	19.7	21.3	20.0	21.6	22.0	18.8	20.4	19.2	20.7	21.1
	4H	20.1	21.6	20.4	21.9	22.3	19.2	20.8	19.6	21.1	21.5
	6H	20.4	21.8	20.8	22.2	22.6	19.7	21.1	20.1	21.5	21.9
	8H	20.6	21.9	21.0	22.3	22.7	19.9	21.2	20.3	21.6	22.0
	12H	20.7	22.0	21.1	22.4	22.8	20.1	21.4	20.5	21.7	22.2
4H	2H	19.0	20.5	19.4	20.8	21.2	18.2	19.7	18.6	20.1	20.5
	3H	20.2	21.5	20.7	21.9	22.3	19.5	20.8	19.9	21.2	21.6
	4H	20.7	21.9	21.2	22.3	22.8	20.1	21.3	20.5	21.7	22.1
	6H	21.2	22.3	21.7	22.7	23.1	20.7	21.7	21.1	22.1	22.6
	8H	21.5	22.4	21.9	22.9	23.3	20.9	21.9	21.4	22.3	22.8
	12H	21.7	22.5	22.1	23.0	23.5	21.2	22.1	21.7	22.5	23.0
8H	4H	20.9	21.9	21.4	22.3	22.8	20.3	21.3	20.8	21.7	22.2
	6H	21.5	22.3	22.0	22.8	23.3	21.0	21.8	21.5	22.3	22.8
	8H	21.8	22.5	22.3	23.0	23.5	21.4	22.1	21.9	22.6	23.1
	12H	22.1	22.7	22.6	23.2	23.8	21.7	22.4	22.2	22.9	23.4
12H	4H	20.9	21.8	21.4	22.3	22.7	20.4	21.2	20.8	21.7	22.2
	6H	21.6	22.3	22.1	22.8	23.3	21.1	21.8	21.6	22.3	22.8
	8H	21.9	22.6	22.4	23.0	23.6	21.5	22.1	22.0	22.6	23.2













(END OF REPORT)