

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: P1526784

Luminaire Tested: 14CGTX-80HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-80HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

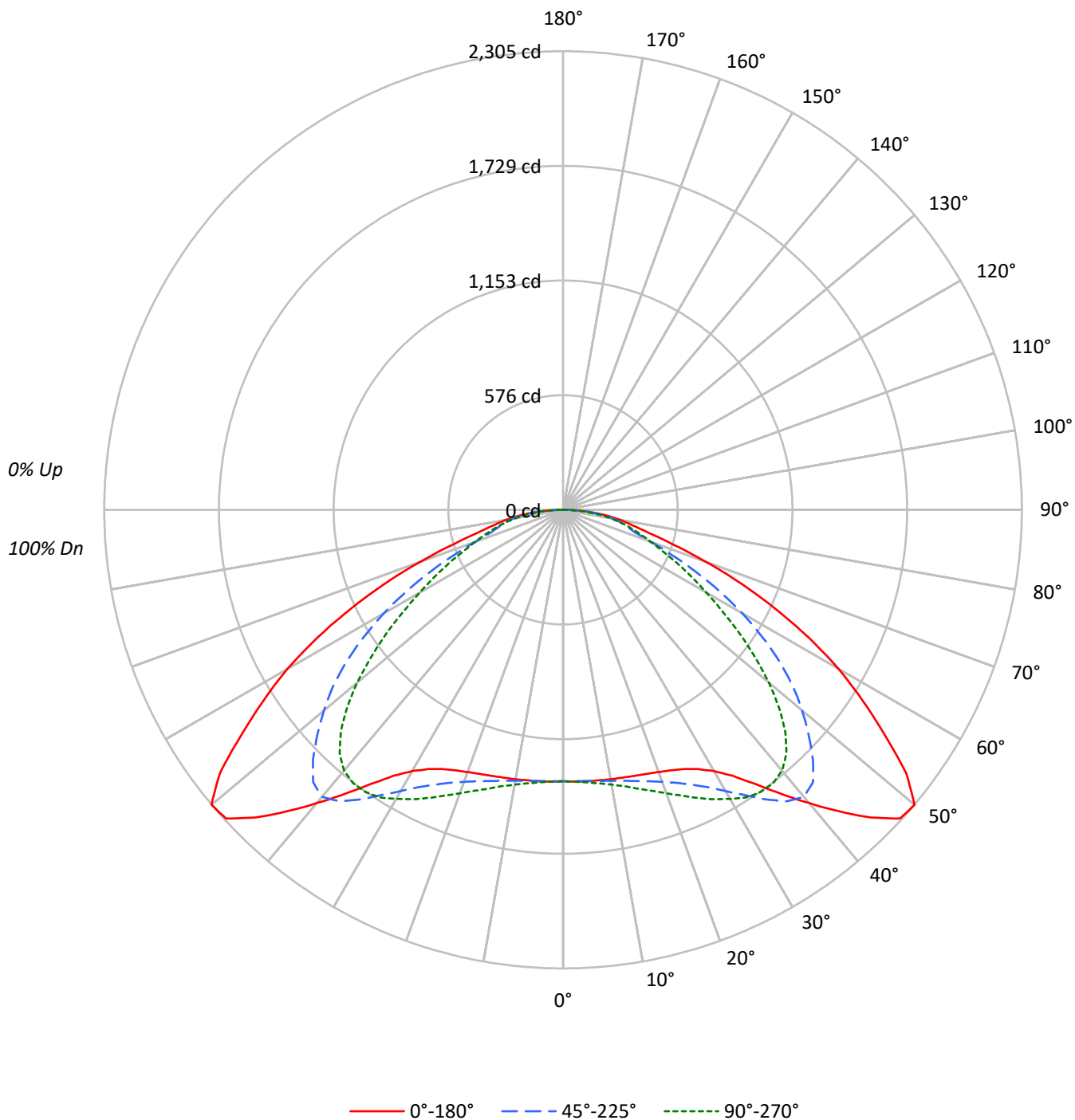
Lumens per Lamp: N/A
Luminaire Lumens: 6389.8 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.9
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

TEST NUMBER: P1526784

CATALOG NUMBER: 14CGTX-80HE-A125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1526784

CATALOG NUMBER: 14CGTX-80HE-A125-L930

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85		83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70		68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49		47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42		39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36		34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31		29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27		25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24		22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22		20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3671	3671	3671
5°	3699	3694	3714
10°	3757	3778	3832
15°	3856	3930	4041
20°	4016	4166	4340
25°	4268	4524	4743
30°	4709	5070	5212
35°	5521	5834	5687
40°	6758	6615	6011
45°	8322	6758	6010
50°	9651	6563	5646
55°	9258	6222	5077
60°	8602	5583	4471
65°	7493	4676	4005
70°	5994	3676	3676
75°	4599	3486	3649
80°	4514	4026	3716
85°	4536	4458	3637

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9651 cd/sqm

TEST NUMBER: P1526784

CATALOG NUMBER: 14CGTX-80HE-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	2.1
10°-20°	402.7	6.3
20°-30°	708.9	11.1
30°-40°	1098.1	17.2
40°-50°	1398.9	21.9
50°-60°	1272.7	19.9
60°-70°	825.4	12.9
70°-80°	401.5	6.3
80°-90°	150.4	2.4
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°	1242.9	19.5
0°-40°	2341.0	36.6
0°-60°	5012.6	78.4
0°-90°	6389.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6389.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1364	1364	1364	1364	1364	
5°	1369	1371	1368	1370	1375	131
15°	1384	1393	1411	1437	1451	393
25°	1437	1467	1524	1578	1598	671
35°	1680	1754	1776	1747	1731	1070
45°	2187	2052	1776	1621	1579	1680
55°	1973	1731	1326	1143	1082	1762
65°	1177	1042	734	636	629	1165
75°	442	405	335	320	351	501
85°	147	160	144	132	118	160
90°	0	0	0	0	0	

TEST NUMBER: P1526784

CATALOG NUMBER: 14CGTX-80HE-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1364.3	1364.3	1364.3	1364.3	1364.3
2.5°	1366.8	1368.5	1364.3	1365.1	1367.6
5°	1369.3	1371.0	1367.6	1370.1	1375.1
7.5°	1371.0	1374.3	1374.3	1380.1	1386.7
10°	1375.1	1378.4	1382.6	1394.2	1402.5
12.5°	1378.4	1384.2	1394.2	1413.3	1422.4
15°	1384.2	1393.4	1410.8	1437.3	1450.6
17.5°	1391.7	1405.0	1429.9	1464.7	1480.5
20°	1402.5	1419.9	1454.8	1496.3	1515.4
22.5°	1416.6	1439.8	1484.7	1533.6	1554.4
25°	1437.3	1467.2	1523.7	1577.6	1597.5
27.5°	1468.9	1506.2	1571.0	1624.9	1639.8
30°	1515.4	1561.8	1631.5	1668.9	1677.2
32.5°	1584.2	1644.0	1699.6	1712.0	1713.7
35°	1680.5	1753.5	1775.9	1746.9	1731.1
37.5°	1798.3	1879.7	1846.5	1760.2	1732.0
40°	1923.7	1990.0	1883.0	1749.4	1711.2
42.5°	2056.4	2053.1	1858.1	1702.1	1660.6
45°	2186.7	2052.3	1775.9	1620.8	1579.3
47.5°	2296.3	1990.0	1673.9	1520.3	1471.4
50°	2305.4	1908.7	1567.6	1398.3	1348.6
52.5°	2172.6	1828.2	1455.6	1272.2	1214.9
55°	1973.4	1731.1	1326.1	1142.7	1082.2
57.5°	1785.1	1604.2	1185.1	1009.1	949.4
60°	1598.3	1440.7	1037.3	879.7	830.7
62.5°	1391.7	1250.6	886.3	751.0	725.3
65°	1176.8	1042.3	734.4	636.5	629.0
67.5°	968.5	844.8	589.2	528.6	537.8
70°	761.8	667.2	467.2	453.1	467.2
72.5°	579.3	526.1	380.1	383.4	406.6
75°	442.3	405.0	335.3	319.5	351.0
77.5°	354.4	330.3	297.1	273.9	297.1
80°	291.3	285.5	259.8	232.4	239.8
82.5°	219.9	224.1	204.1	190.0	180.9
85°	146.9	160.2	144.4	132.0	117.8
87.5°	73.9	89.6	76.3	68.0	60.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526784

CATALOG NUMBER: 14CGTX-80HE-A125-L930

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	20.9	22.6	21.2	22.9	23.2	17.4	19.2	17.8	19.5	19.8
	3H	22.2	23.7	22.5	24.0	24.4	18.7	20.3	19.1	20.6	21.0
	4H	22.5	24.0	22.9	24.3	24.7	19.3	20.8	19.7	21.1	21.5
	6H	22.8	24.2	23.2	24.5	24.9	19.8	21.2	20.2	21.6	21.9
	8H	22.9	24.3	23.4	24.6	25.0	20.0	21.4	20.5	21.7	22.1
	12H	23.1	24.3	23.5	24.7	25.1	20.2	21.5	20.7	21.9	22.3
4H	2H	21.0	22.5	21.4	22.9	23.2	18.1	19.6	18.5	19.9	20.3
	3H	22.5	23.7	22.9	24.1	24.5	19.5	20.8	19.9	21.2	21.6
	4H	23.0	24.1	23.4	24.5	24.9	20.2	21.3	20.6	21.7	22.2
	6H	23.4	24.4	23.9	24.8	25.3	20.9	21.9	21.3	22.3	22.8
	8H	23.6	24.5	24.1	25.0	25.5	21.2	22.1	21.7	22.6	23.0
	12H	23.8	24.6	24.3	25.1	25.6	21.4	22.3	21.9	22.7	23.2
8H	4H	23.1	24.0	23.5	24.4	24.9	20.6	21.5	21.0	21.9	22.4
	6H	23.7	24.4	24.2	24.9	25.4	21.4	22.2	21.9	22.6	23.1
	8H	24.0	24.6	24.5	25.2	25.6	21.8	22.5	22.3	23.0	23.5
	12H	24.2	24.9	24.7	25.3	25.9	22.2	22.8	22.7	23.3	23.8
12H	4H	23.1	23.9	23.6	24.4	24.9	20.6	21.5	21.1	21.9	22.4
	6H	23.7	24.4	24.2	24.9	25.4	21.5	22.2	22.0	22.7	23.2
	8H	24.1	24.7	24.6	25.2	25.7	22.0	22.6	22.5	23.1	23.7













(END OF REPORT)