

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: P1526785

Luminaire Tested: 14CGTX-80HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526785
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

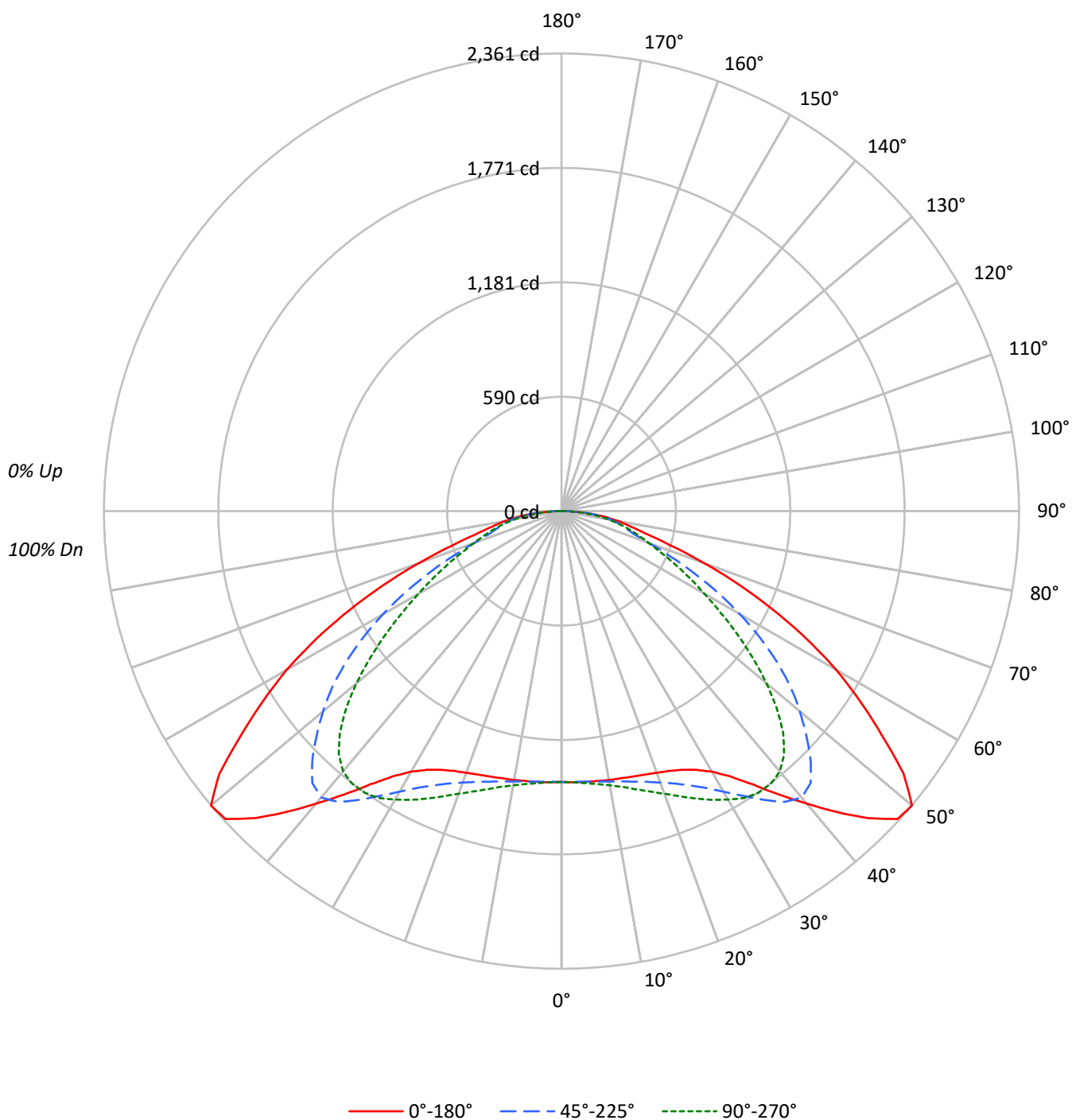
Lumens per Lamp: N/A
Luminaire Lumens: 6543.8 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1526785

CATALOG NUMBER: 14CGTX-80HE-A125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1526785

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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°	3760	3760	3760
5°	3788	3783	3804
10°	3848	3869	3925
15°	3949	4025	4139
20°	4113	4266	4444
25°	4371	4633	4858
30°	4822	5192	5337
35°	5654	5975	5824
40°	6920	6774	6156
45°	8522	6921	6155
50°	9884	6721	5781
55°	9482	6372	5199
60°	8810	5717	4578
65°	7673	4789	4102
70°	6139	3765	3765
75°	4710	3569	3738
80°	4623	4122	3806
85°	4644	4566	3727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9884 cd/sqm

TEST NUMBER: P1526785

CATALOG NUMBER: 14CGTX-80HE-A125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	2.1
10°-20°	412.4	6.3
20°-30°	725.9	11.1
30°-40°	1124.5	17.2
40°-50°	1432.6	21.9
50°-60°	1303.4	19.9
60°-70°	845.3	12.9
70°-80°	411.1	6.3
80°-90°	154.0	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°	1272.8	19.5
0°-40°	2397.4	36.6
0°-60°	5133.4	78.4
0°-90°	6543.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6543.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1402	1404	1401	1403	1408	134
15°	1418	1427	1445	1472	1486	403
25°	1472	1503	1560	1616	1636	687
35°	1721	1796	1819	1789	1773	1096
45°	2239	2102	1819	1660	1617	1720
55°	2021	1773	1358	1170	1108	1804
65°	1205	1067	752	652	644	1193
75°	453	415	343	327	360	513
85°	150	164	148	135	121	163
90°	0	0	0	0	0	

TEST NUMBER: P1526785

CATALOG NUMBER: 14CGTX-80HE-A125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1397.2	1397.2	1397.2	1397.2	1397.2
2.5°	1399.7	1401.4	1397.2	1398.0	1400.6
5°	1402.3	1404.0	1400.6	1403.1	1408.2
7.5°	1404.0	1407.4	1407.4	1413.3	1420.1
10°	1408.2	1411.6	1415.9	1427.8	1436.3
12.5°	1411.6	1417.6	1427.8	1447.3	1456.7
15°	1417.6	1426.9	1444.8	1472.0	1485.6
17.5°	1425.2	1438.8	1464.3	1500.0	1516.2
20°	1436.3	1454.1	1489.8	1532.3	1551.9
22.5°	1450.7	1474.5	1520.4	1570.6	1591.8
25°	1472.0	1502.6	1560.4	1615.6	1636.0
27.5°	1504.3	1542.5	1608.8	1664.1	1679.4
30°	1551.9	1599.5	1670.9	1709.1	1717.6
32.5°	1622.4	1683.6	1740.5	1753.3	1755.0
35°	1721.0	1795.8	1818.7	1789.0	1772.8
37.5°	1841.7	1925.0	1891.0	1802.6	1773.7
40°	1970.0	2038.0	1928.4	1791.5	1752.4
42.5°	2106.0	2102.6	1902.9	1743.1	1700.6
45°	2239.4	2101.7	1818.7	1659.8	1617.3
47.5°	2351.6	2038.0	1714.2	1557.0	1506.8
50°	2361.0	1954.7	1605.4	1432.0	1381.0
52.5°	2225.0	1872.3	1490.7	1302.9	1244.2
55°	2021.0	1772.8	1358.1	1170.3	1108.2
57.5°	1828.1	1642.8	1213.6	1033.4	972.3
60°	1636.9	1475.4	1062.3	900.9	850.7
62.5°	1425.2	1280.8	907.7	769.1	742.8
65°	1205.1	1067.4	752.1	651.9	644.2
67.5°	991.8	865.2	603.4	541.4	550.7
70°	780.2	683.3	478.5	464.0	478.5
72.5°	593.2	538.8	389.2	392.6	416.4
75°	453.0	414.7	343.3	327.2	359.5
77.5°	362.9	338.3	304.3	280.5	304.3
80°	298.3	292.4	266.0	238.0	245.6
82.5°	225.2	229.5	209.1	194.6	185.3
85°	150.4	164.0	147.9	135.1	120.7
87.5°	75.6	91.8	78.2	69.7	62.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526785

CATALOG NUMBER: 14CGTX-80HE-A125-L935

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	21.0	22.7	21.3	23.0	23.3	17.5	19.2	17.9	19.6	19.9
	3H	22.2	23.8	22.6	24.1	24.5	18.8	20.4	19.2	20.7	21.0
	4H	22.6	24.1	23.0	24.4	24.8	19.4	20.8	19.8	21.2	21.6
	6H	22.9	24.3	23.3	24.6	25.0	19.9	21.3	20.3	21.6	22.0
	8H	23.0	24.3	23.5	24.7	25.1	20.1	21.4	20.6	21.8	22.2
	12H	23.1	24.4	23.6	24.8	25.2	20.3	21.6	20.7	21.9	22.4
4H	2H	21.1	22.6	21.5	22.9	23.3	18.2	19.6	18.6	20.0	20.4
	3H	22.6	23.8	23.0	24.2	24.6	19.6	20.9	20.0	21.3	21.6
	4H	23.1	24.2	23.5	24.6	25.0	20.3	21.4	20.7	21.8	22.3
	6H	23.5	24.5	24.0	24.9	25.4	21.0	22.0	21.4	22.4	22.8
	8H	23.7	24.6	24.2	25.1	25.5	21.3	22.2	21.7	22.6	23.1
	12H	23.9	24.7	24.4	25.2	25.7	21.5	22.4	22.0	22.8	23.3
8H	4H	23.2	24.1	23.6	24.5	25.0	20.6	21.6	21.1	22.0	22.5
	6H	23.7	24.5	24.2	25.0	25.5	21.5	22.2	22.0	22.7	23.2
	8H	24.0	24.7	24.5	25.2	25.7	21.9	22.6	22.4	23.1	23.6
	12H	24.3	24.9	24.8	25.4	26.0	22.2	22.9	22.8	23.3	23.9
12H	4H	23.2	24.0	23.7	24.5	24.9	20.7	21.5	21.2	22.0	22.5
	6H	23.8	24.5	24.3	24.9	25.5	21.6	22.3	22.1	22.8	23.3
	8H	24.1	24.8	24.6	25.2	25.8	22.1	22.7	22.6	23.2	23.7













(END OF REPORT)