

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: P1526992

Luminaire Tested: 14CGTX-70HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-70HE-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

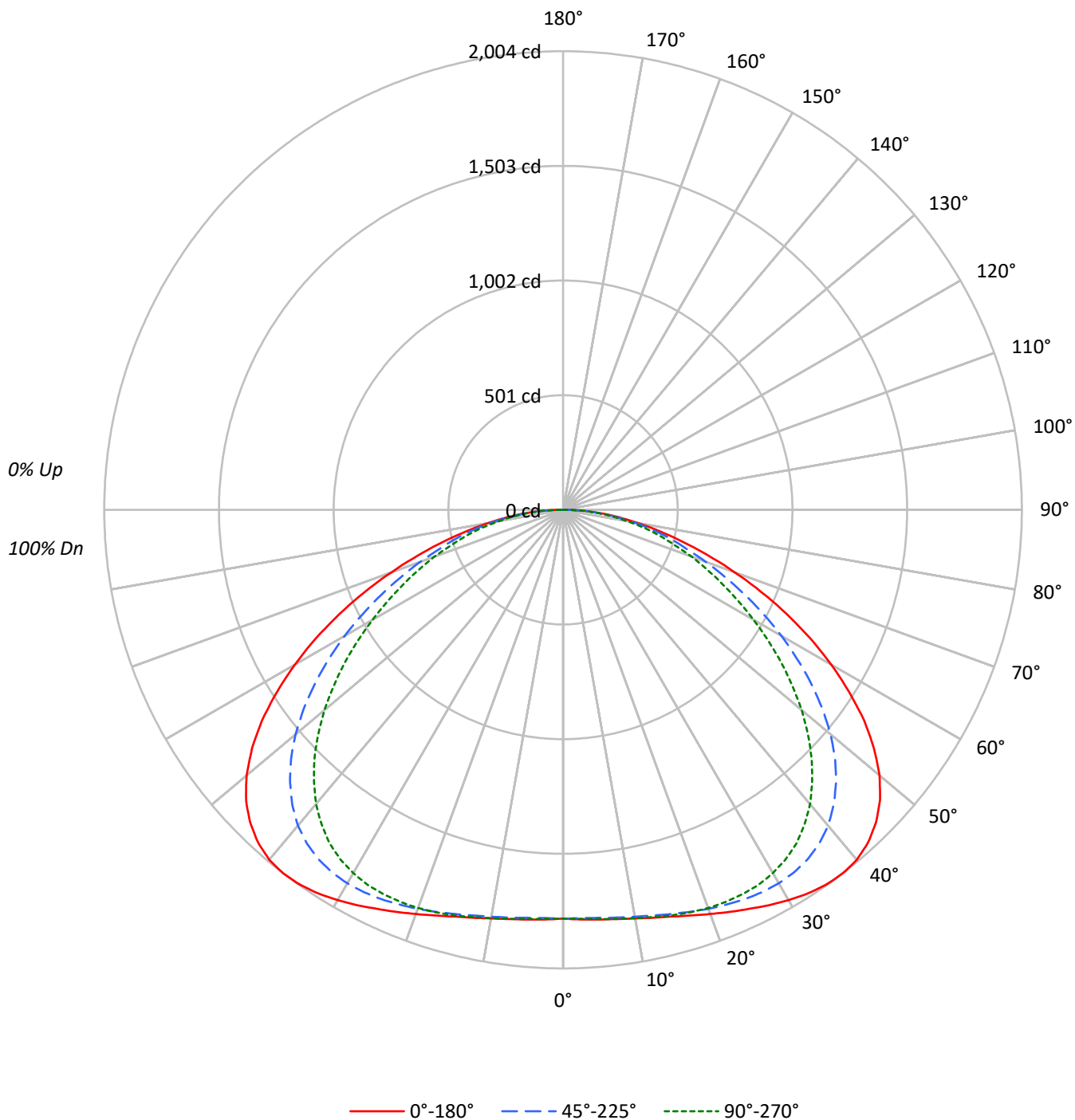
Lumens per Lamp: N/A
Luminaire Lumens: 6845.0 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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

TEST NUMBER: P1526992

CATALOG NUMBER: 14CGTX-70HE-F125-L840

Luminous Intensity Polar Plot





TEST NUMBER: P1526992

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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	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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82						
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68						
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56						
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47						
5	74	61	51	44	72	59	51	44	57	50	44	55	48	43	53	47	43	40						
6	68	54	45	38	66	53	44	38	51	44	38	50	43	37	48	42	37	35						
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30						
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27						
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24						
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4807	4807	4807
5°	4854	4835	4849
10°	4954	4932	4949
15°	5126	5093	5110
20°	5381	5315	5302
25°	5712	5574	5502
30°	6119	5855	5694
35°	6572	6120	5842
40°	7012	6328	5895
45°	7355	6417	5842
50°	7553	6382	5694
55°	7534	6206	5455
60°	7282	5922	5172
65°	6858	5562	4891
70°	6275	5207	4701
75°	5646	5015	4540
80°	5162	4872	4387
85°	4965	4659	4384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 7568 cd/sqm

TEST NUMBER: P1526992

CATALOG NUMBER: 14CGTX-70HE-F125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	2.5
10°-20°	520.5	7.6
20°-30°	871.0	12.7
30°-40°	1173.6	17.1
40°-50°	1316.4	19.2
50°-60°	1207.9	17.6
60°-70°	893.4	13.1
70°-80°	519.7	7.6
80°-90°	170.9	2.5
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°	1563.1	22.8
0°-40°	2736.7	40.0
0°-60°	5261.0	76.9
0°-90°	6845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1786	1786	1786	1786	1786	
5°	1797	1796	1790	1791	1795	172
15°	1840	1836	1828	1830	1834	523
25°	1924	1909	1877	1857	1853	892
35°	2000	1959	1863	1798	1778	1253
45°	1933	1859	1686	1572	1535	1486
55°	1606	1514	1323	1199	1163	1427
65°	1077	1012	874	794	768	1065
75°	543	536	482	444	437	582
85°	161	165	151	153	142	177
90°	0	0	0	0	0	



TEST NUMBER: P1526992

CATALOG NUMBER: 14CGTX-70HE-F125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1786.2	1786.2	1786.2	1786.2	1786.2
2.5°	1791.6	1791.6	1785.3	1787.1	1788.9
5°	1796.9	1796.0	1789.8	1790.7	1795.1
7.5°	1803.2	1803.2	1796.9	1796.9	1803.2
10°	1813.0	1811.2	1805.0	1806.7	1811.2
12.5°	1825.5	1821.9	1815.7	1817.5	1822.8
15°	1839.8	1836.2	1828.2	1830.0	1834.4
17.5°	1858.5	1853.2	1841.6	1841.6	1844.2
20°	1879.1	1870.1	1855.9	1848.7	1851.4
22.5°	1901.4	1889.8	1866.6	1854.1	1855.0
25°	1923.7	1909.4	1877.3	1856.8	1853.2
27.5°	1947.8	1927.3	1883.5	1855.0	1847.8
30°	1969.3	1943.4	1884.4	1845.1	1832.6
32.5°	1988.0	1954.1	1878.2	1826.4	1810.3
35°	2000.5	1958.6	1863.0	1797.8	1778.2
37.5°	2004.1	1953.2	1838.0	1758.5	1732.6
40°	1996.1	1936.2	1801.4	1706.7	1678.1
42.5°	1972.0	1905.9	1749.6	1644.2	1610.3
45°	1932.7	1859.4	1686.2	1571.9	1535.2
47.5°	1878.2	1795.1	1612.0	1488.8	1450.4
50°	1804.1	1716.5	1524.5	1398.6	1360.2
52.5°	1712.1	1621.0	1427.2	1303.0	1261.9
55°	1605.8	1513.8	1322.7	1199.4	1162.8
57.5°	1481.6	1396.8	1212.8	1095.8	1061.0
60°	1353.0	1272.7	1100.3	992.2	961.0
62.5°	1217.3	1144.1	986.9	889.5	862.7
65°	1077.1	1011.9	873.5	794.0	768.1
67.5°	936.9	886.8	765.4	694.8	680.5
70°	797.5	760.0	661.8	615.3	597.5
72.5°	665.4	645.7	563.5	532.3	508.2
75°	543.0	535.9	482.3	443.9	436.7
77.5°	432.3	443.0	396.5	368.8	362.6
80°	333.1	343.8	314.4	291.2	283.1
82.5°	242.9	257.2	227.7	222.4	214.3
85°	160.8	165.2	150.9	152.7	142.0
87.5°	78.6	87.5	79.5	82.2	76.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526992

CATALOG NUMBER: 14CGTX-70HE-F125-L840

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	19.7	21.4	20.0	21.7	22.0	17.9	19.5	18.2	19.9	20.2
	3H	21.4	22.9	21.8	23.3	23.6	19.6	21.1	19.9	21.4	21.8
	4H	22.0	23.5	22.4	23.8	24.2	20.3	21.7	20.7	22.1	22.4
	6H	22.5	23.9	22.9	24.2	24.6	20.8	22.2	21.3	22.6	23.0
	8H	22.7	24.0	23.1	24.4	24.8	21.1	22.4	21.5	22.7	23.1
	12H	22.8	24.1	23.3	24.5	24.9	21.2	22.5	21.7	22.9	23.3
4H	2H	20.1	21.5	20.5	21.9	22.2	18.6	20.1	19.0	20.4	20.8
	3H	22.1	23.3	22.5	23.7	24.1	20.6	21.8	21.0	22.2	22.6
	4H	22.9	24.0	23.3	24.4	24.8	21.4	22.5	21.8	22.9	23.3
	6H	23.5	24.5	24.0	24.9	25.4	22.1	23.1	22.5	23.5	24.0
	8H	23.8	24.7	24.2	25.1	25.6	22.4	23.3	22.8	23.7	24.2
	12H	24.0	24.8	24.4	25.3	25.7	22.6	23.4	23.1	23.9	24.4
8H	4H	23.1	24.0	23.6	24.5	24.9	21.8	22.7	22.3	23.2	23.6
	6H	23.9	24.7	24.4	25.2	25.6	22.7	23.4	23.1	23.9	24.4
	8H	24.3	24.9	24.8	25.4	25.9	23.0	23.7	23.5	24.2	24.7
	12H	24.5	25.2	25.0	25.6	26.2	23.4	24.0	23.9	24.5	25.0
12H	4H	23.1	24.0	23.6	24.4	24.9	21.9	22.7	22.3	23.2	23.6
	6H	24.0	24.7	24.5	25.1	25.7	22.8	23.5	23.3	23.9	24.5
	8H	24.4	25.0	24.9	25.5	26.0	23.2	23.8	23.7	24.3	24.9













(END OF REPORT)