

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: P1526775

Luminaire Tested: 14CGTX-70HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526775
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-70HE-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

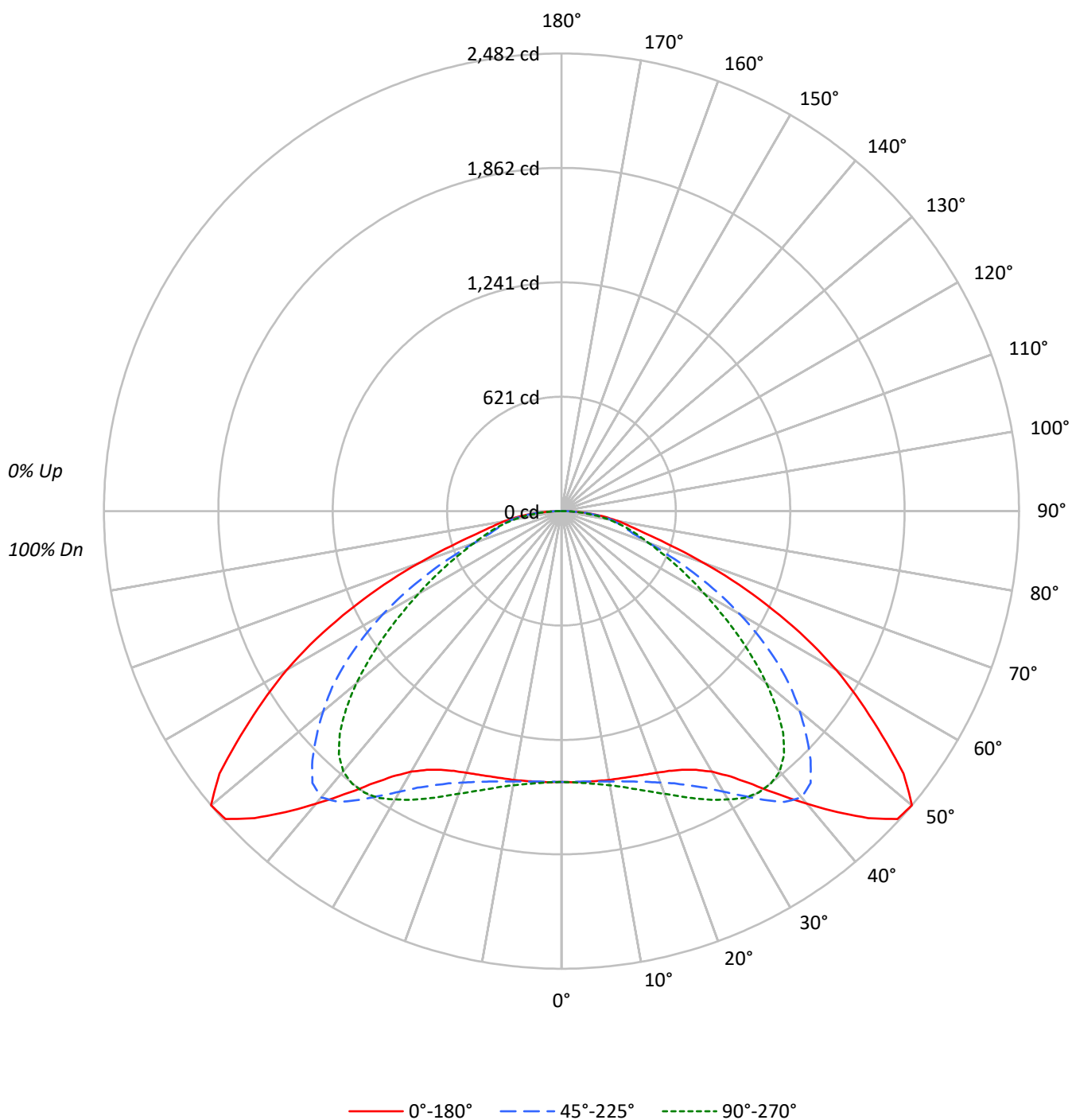
Lumens per Lamp: N/A
Luminaire Lumens: 6878.2 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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°	3952	3952	3952
5°	3981	3977	3998
10°	4045	4066	4125
15°	4151	4231	4350
20°	4323	4485	4671
25°	4594	4870	5106
30°	5069	5457	5610
35°	5942	6280	6121
40°	7274	7120	6471
45°	8958	7275	6470
50°	10389	7064	6077
55°	9966	6697	5465
60°	9260	6009	4813
65°	8066	5034	4311
70°	6452	3957	3957
75°	4950	3752	3929
80°	4858	4333	4001
85°	4881	4798	3915

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10389 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.3	2.1
10°-20°	433.5	6.3
20°-30°	763.0	11.1
30°-40°	1182.0	17.2
40°-50°	1505.8	21.9
50°-60°	1370.0	19.9
60°-70°	888.5	12.9
70°-80°	432.1	6.3
80°-90°	161.9	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°	1337.9	19.5
0°-40°	2519.9	36.6
0°-60°	5395.7	78.4
0°-90°	6878.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6878.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1469	1469	1469	1469	1469	
5°	1474	1476	1472	1475	1480	141
15°	1490	1500	1519	1547	1562	423
25°	1547	1579	1640	1698	1720	722
35°	1809	1888	1912	1880	1863	1152
45°	2354	2209	1912	1745	1700	1808
55°	2124	1863	1428	1230	1165	1896
65°	1267	1122	791	685	677	1254
75°	476	436	361	344	378	540
85°	158	172	155	142	127	172
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1471.3	1473.1	1468.6	1469.5	1472.2
5°	1473.9	1475.7	1472.2	1474.8	1480.2
7.5°	1475.7	1479.3	1479.3	1485.6	1492.7
10°	1480.2	1483.8	1488.2	1500.7	1509.7
12.5°	1483.8	1490.0	1500.7	1521.3	1531.1
15°	1490.0	1499.9	1518.6	1547.2	1561.5
17.5°	1498.1	1512.4	1539.2	1576.7	1593.6
20°	1509.7	1528.4	1566.0	1610.6	1631.2
22.5°	1524.9	1549.9	1598.1	1650.8	1673.2
25°	1547.2	1579.4	1640.1	1698.2	1719.6
27.5°	1581.1	1621.3	1691.0	1749.1	1765.2
30°	1631.2	1681.2	1756.2	1796.4	1805.4
32.5°	1705.3	1769.6	1829.5	1842.9	1844.7
35°	1808.9	1887.5	1911.7	1880.4	1863.4
37.5°	1935.8	2023.3	1987.6	1894.7	1864.3
40°	2070.7	2142.1	2026.9	1883.1	1842.0
42.5°	2213.6	2210.0	2000.1	1832.2	1787.5
45°	2353.8	2209.1	1911.7	1744.6	1700.0
47.5°	2471.8	2142.1	1801.8	1636.5	1583.8
50°	2481.6	2054.6	1687.4	1505.2	1451.6
52.5°	2338.7	1967.9	1566.9	1369.4	1307.8
55°	2124.3	1863.4	1427.5	1230.1	1164.9
57.5°	1921.5	1726.8	1275.6	1086.3	1021.9
60°	1720.5	1550.8	1116.6	946.9	894.2
62.5°	1498.1	1346.2	954.0	808.4	780.7
65°	1266.7	1122.0	790.6	685.2	677.1
67.5°	1042.5	909.4	634.2	569.0	578.9
70°	820.1	718.2	502.9	487.7	502.9
72.5°	623.5	566.4	409.1	412.7	437.7
75°	476.1	435.9	360.9	343.9	377.9
77.5°	381.4	355.5	319.8	294.8	319.8
80°	313.5	307.3	279.6	250.1	258.2
82.5°	236.7	241.2	219.8	204.6	194.7
85°	158.1	172.4	155.4	142.0	126.8
87.5°	79.5	96.5	82.2	73.3	65.2
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	21.1	22.9	21.5	23.2	23.5	17.7	19.4	18.0	19.7	20.0
	3H	22.4	24.0	22.8	24.3	24.7	19.0	20.5	19.3	20.9	21.2
	4H	22.8	24.2	23.2	24.6	25.0	19.5	21.0	19.9	21.4	21.7
	6H	23.1	24.4	23.5	24.8	25.2	20.1	21.4	20.5	21.8	22.2
	8H	23.2	24.5	23.6	24.9	25.3	20.3	21.6	20.7	22.0	22.4
	12H	23.3	24.6	23.7	24.9	25.4	20.5	21.7	20.9	22.1	22.5
4H	2H	21.3	22.8	21.7	23.1	23.5	18.3	19.8	18.7	20.2	20.5
	3H	22.8	24.0	23.2	24.4	24.8	19.8	21.0	20.2	21.4	21.8
	4H	23.2	24.3	23.7	24.8	25.2	20.5	21.6	20.9	22.0	22.4
	6H	23.7	24.7	24.1	25.1	25.6	21.2	22.1	21.6	22.6	23.0
	8H	23.9	24.8	24.3	25.2	25.7	21.5	22.4	21.9	22.8	23.3
	12H	24.1	24.9	24.5	25.4	25.8	21.7	22.5	22.2	23.0	23.5
8H	4H	23.3	24.3	23.8	24.7	25.2	20.8	21.7	21.3	22.2	22.6
	6H	23.9	24.7	24.4	25.2	25.6	21.7	22.4	22.1	22.9	23.4
	8H	24.2	24.9	24.7	25.4	25.9	22.1	22.7	22.6	23.3	23.7
	12H	24.5	25.1	25.0	25.6	26.2	22.4	23.0	22.9	23.5	24.1
12H	4H	23.4	24.2	23.8	24.7	25.1	20.9	21.7	21.4	22.2	22.6
	6H	24.0	24.7	24.5	25.1	25.7	21.8	22.5	22.3	22.9	23.5
	8H	24.3	24.9	24.8	25.4	26.0	22.3	22.9	22.8	23.4	23.9













(END OF REPORT)