

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: P1527058

Luminaire Tested: 22CGTX-60HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-60HE-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

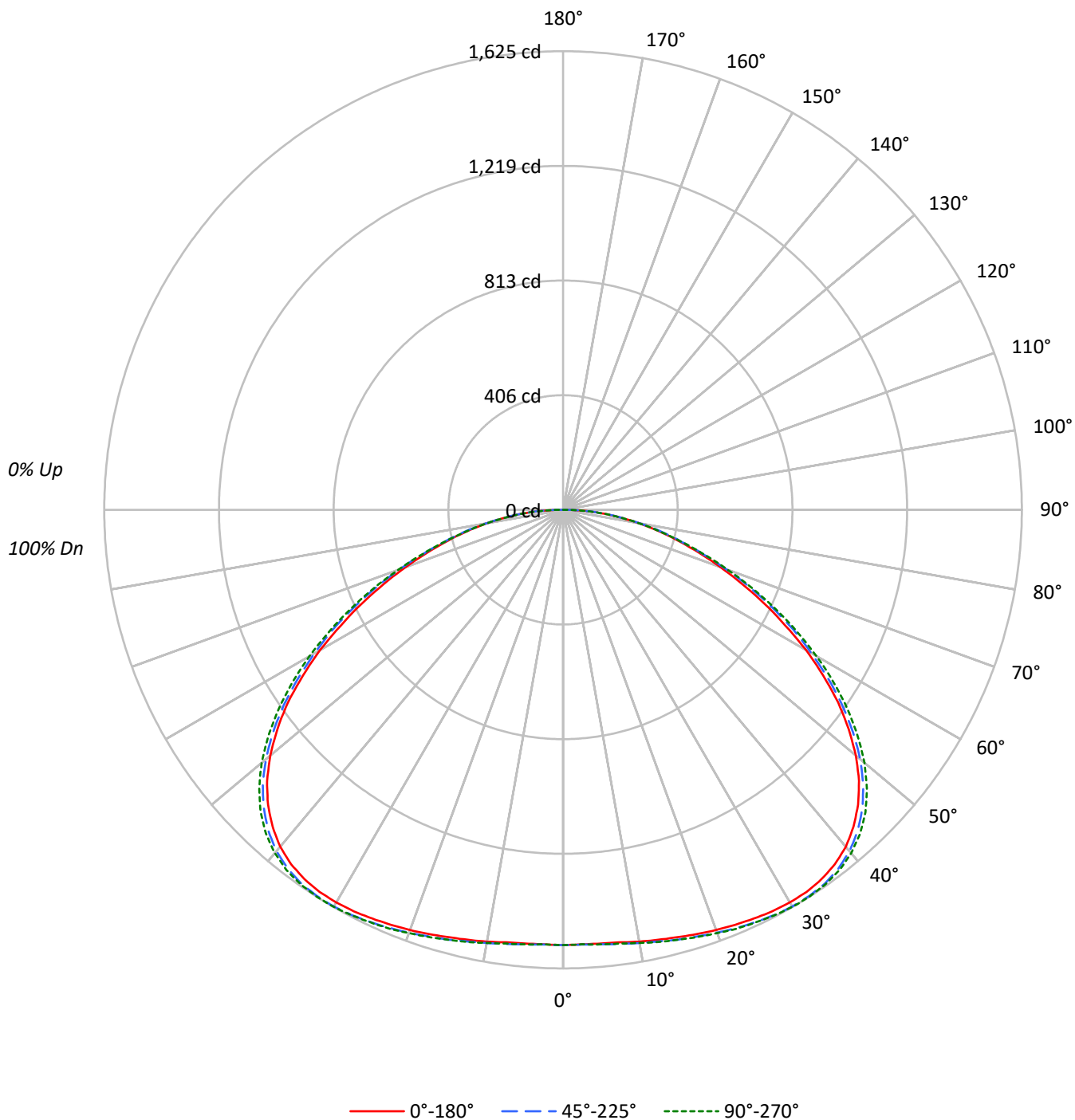
Lumens per Lamp: N/A
Luminaire Lumens: 5986.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82		
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67		
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56		
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47		
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40		
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34		
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30		
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	39	33	28	26		
9	54	40	32	26	53	40	31	26	38	31	26	37	30	26	36	30	25	24		
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	34	27	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4150	4150	4150
5°	4166	4175	4175
10°	4245	4258	4258
15°	4366	4392	4392
20°	4538	4567	4570
25°	4745	4786	4790
30°	4991	5045	5048
35°	5247	5311	5322
40°	5474	5546	5578
45°	5625	5703	5764
50°	5665	5751	5833
55°	5579	5666	5767
60°	5346	5463	5581
65°	5012	5194	5282
70°	4660	4832	4886
75°	4372	4491	4491
80°	4226	4279	4243
85°	4103	4245	4103

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 5833 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	2.5
10°-20°	446.9	7.5
20°-30°	744.8	12.4
30°-40°	1009.0	16.9
40°-50°	1150.8	19.2
50°-60°	1075.7	18.0
60°-70°	803.4	13.4
70°-80°	458.7	7.7
80°-90°	148.9	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°	1339.5	22.4
0°-40°	2348.6	39.2
0°-60°	4575.1	76.4
0°-90°	5986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5986.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1542	1544	1546	1547	1546	148
15°	1567	1572	1576	1578	1576	445
25°	1598	1604	1612	1614	1613	740
35°	1597	1605	1617	1621	1620	999
45°	1478	1485	1499	1509	1515	1136
55°	1189	1193	1208	1221	1229	1058
65°	787	799	816	820	830	780
75°	420	427	432	433	432	449
85°	133	139	138	135	133	146
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.1	1542.1	1542.1	1542.1	1542.1
2.5°	1541.0	1542.1	1542.1	1544.4	1541.0
5°	1542.1	1544.4	1545.5	1546.7	1545.5
7.5°	1545.5	1549.0	1551.3	1552.4	1550.1
10°	1553.6	1555.9	1558.2	1560.4	1558.2
12.5°	1560.4	1563.9	1566.2	1569.6	1568.5
15°	1567.3	1571.9	1576.5	1577.6	1576.5
17.5°	1576.5	1579.9	1584.5	1586.8	1586.8
20°	1584.5	1589.1	1594.8	1597.1	1596.0
22.5°	1591.4	1597.1	1604.0	1607.4	1606.3
25°	1598.2	1604.0	1612.0	1614.3	1613.1
27.5°	1604.0	1610.9	1618.9	1622.3	1620.0
30°	1606.3	1613.1	1623.5	1625.7	1624.6
32.5°	1605.1	1612.0	1622.3	1625.7	1624.6
35°	1597.1	1605.1	1616.6	1621.2	1620.0
37.5°	1582.2	1590.2	1601.7	1607.4	1608.6
40°	1558.2	1566.2	1578.8	1586.8	1587.9
42.5°	1522.6	1530.7	1544.4	1553.6	1557.0
45°	1478.0	1484.8	1498.6	1508.9	1514.6
47.5°	1421.8	1427.5	1442.4	1453.9	1459.6
50°	1353.1	1358.8	1373.7	1385.1	1393.2
52.5°	1275.2	1279.7	1294.6	1308.4	1315.3
55°	1189.2	1192.7	1207.6	1221.3	1229.3
57.5°	1091.9	1102.2	1113.6	1126.2	1135.4
60°	993.3	1001.3	1015.1	1027.7	1036.9
62.5°	887.9	902.8	918.9	925.7	933.7
65°	787.1	798.6	815.7	820.3	829.5
67.5°	687.4	700.0	714.9	718.4	724.1
70°	592.3	602.6	614.1	618.7	621.0
72.5°	503.0	511.0	519.0	522.4	522.4
75°	420.5	427.3	431.9	433.1	431.9
77.5°	346.0	347.1	357.5	350.6	349.4
80°	272.7	272.7	276.1	276.1	273.8
82.5°	201.6	206.2	205.1	203.9	200.5
85°	132.9	138.6	137.5	135.2	132.9
87.5°	65.3	72.2	68.7	72.2	66.5
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	18.4	20.1	18.7	20.4	20.7	18.5	20.3	18.9	20.6	20.9
	3H	20.1	21.6	20.4	21.9	22.3	20.3	21.8	20.7	22.2	22.5
	4H	20.7	22.2	21.1	22.5	22.9	20.9	22.4	21.3	22.7	23.1
	6H	21.2	22.6	21.7	23.0	23.4	21.4	22.8	21.8	23.1	23.5
	8H	21.4	22.7	21.9	23.1	23.5	21.6	22.9	22.0	23.3	23.7
	12H	21.6	22.8	22.0	23.2	23.6	21.8	23.0	22.2	23.4	23.8
4H	2H	19.0	20.5	19.4	20.8	21.2	19.2	20.6	19.6	21.0	21.3
	3H	20.9	22.2	21.3	22.6	23.0	21.1	22.3	21.5	22.7	23.1
	4H	21.7	22.8	22.1	23.2	23.7	21.9	23.0	22.3	23.4	23.8
	6H	22.4	23.4	22.8	23.8	24.3	22.5	23.5	23.0	23.9	24.4
	8H	22.6	23.6	23.1	24.0	24.5	22.8	23.7	23.2	24.1	24.6
	12H	22.9	23.7	23.3	24.2	24.6	23.0	23.8	23.5	24.3	24.7
8H	4H	22.1	23.0	22.5	23.4	23.9	22.2	23.1	22.7	23.6	24.0
	6H	22.9	23.6	23.3	24.1	24.6	23.0	23.8	23.5	24.2	24.7
	8H	23.2	23.9	23.7	24.4	24.9	23.3	24.0	23.8	24.5	25.0
	12H	23.5	24.1	24.0	24.6	25.2	23.6	24.2	24.1	24.7	25.3
12H	4H	22.1	22.9	22.6	23.4	23.9	22.2	23.1	22.7	23.5	24.0
	6H	22.9	23.6	23.5	24.1	24.6	23.1	23.8	23.6	24.2	24.8
	8H	23.4	24.0	23.9	24.5	25.0	23.5	24.1	24.0	24.6	25.1













(END OF REPORT)