

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: P1527059

Luminaire Tested: 22CGTX-60HE-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527059
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

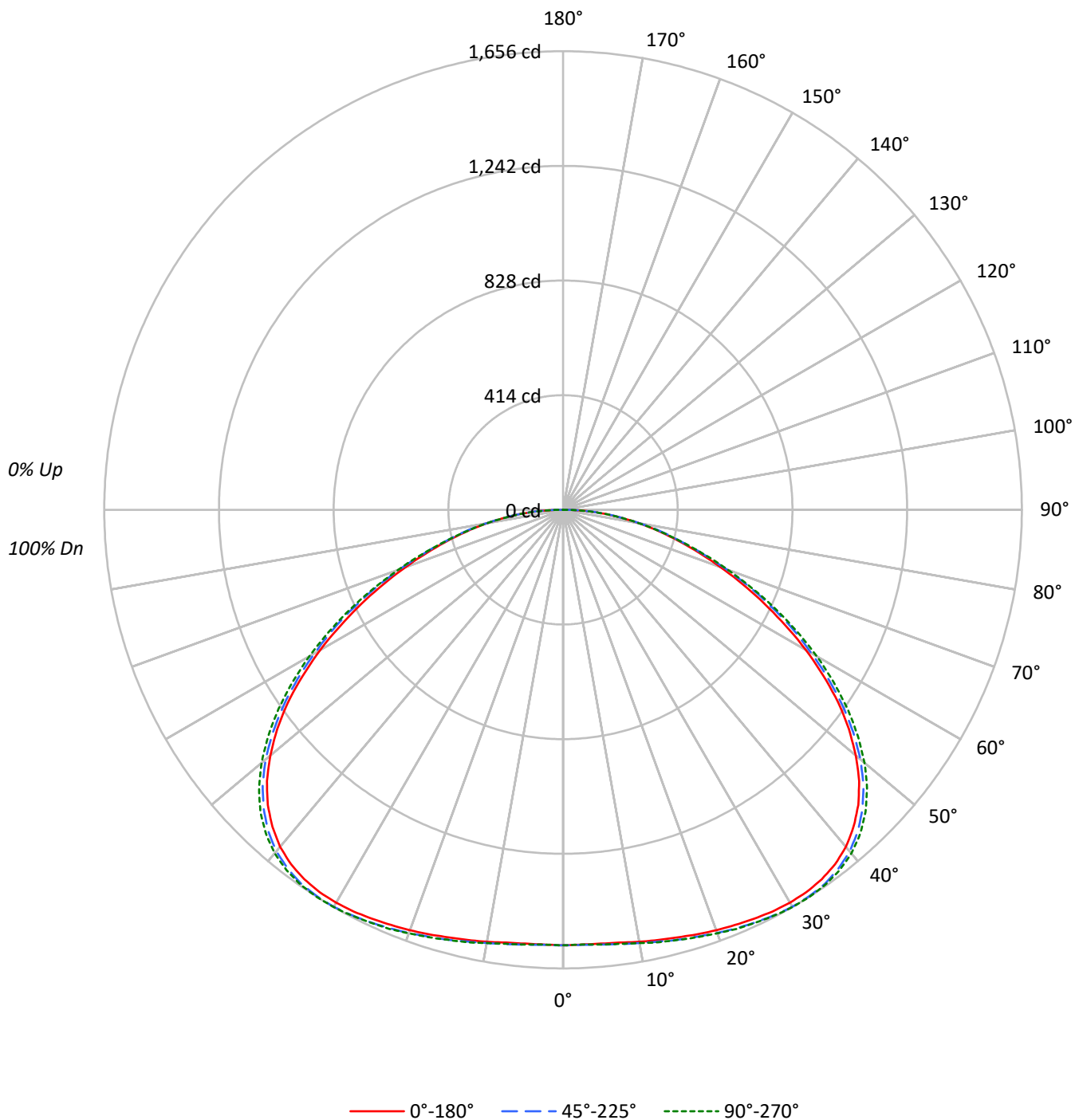
Lumens per Lamp: N/A
Luminaire Lumens: 6103.0 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4231	4231	4231
5°	4247	4257	4257
10°	4328	4341	4341
15°	4452	4478	4478
20°	4626	4656	4660
25°	4838	4880	4883
30°	5089	5143	5147
35°	5349	5414	5426
40°	5580	5654	5687
45°	5734	5815	5877
50°	5775	5863	5946
55°	5689	5776	5880
60°	5450	5570	5689
65°	5110	5296	5385
70°	4751	4926	4981
75°	4457	4579	4579
80°	4308	4362	4327
85°	4184	4329	4184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 5946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	2.5
10°-20°	455.6	7.5
20°-30°	759.3	12.4
30°-40°	1028.7	16.9
40°-50°	1173.3	19.2
50°-60°	1096.8	18.0
60°-70°	819.1	13.4
70°-80°	467.6	7.7
80°-90°	151.8	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°	1365.7	22.4
0°-40°	2394.5	39.2
0°-60°	4664.5	76.4
0°-90°	6103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1572	1575	1576	1577	1576	150
15°	1598	1603	1607	1608	1607	454
25°	1630	1635	1644	1646	1645	754
35°	1628	1636	1648	1653	1652	1019
45°	1507	1514	1528	1538	1544	1158
55°	1212	1216	1231	1245	1253	1078
65°	802	814	832	836	846	796
75°	429	436	440	442	440	458
85°	136	141	140	138	136	149
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1572.3	1572.3	1572.3	1572.3	1572.3
2.5°	1571.1	1572.3	1572.3	1574.6	1571.1
5°	1572.3	1574.6	1575.8	1576.9	1575.8
7.5°	1575.8	1579.3	1581.6	1582.8	1580.4
10°	1583.9	1586.3	1588.6	1590.9	1588.6
12.5°	1590.9	1594.4	1596.8	1600.3	1599.1
15°	1597.9	1602.6	1607.3	1608.5	1607.3
17.5°	1607.3	1610.8	1615.5	1617.8	1617.8
20°	1615.5	1620.1	1626.0	1628.3	1627.2
22.5°	1622.5	1628.3	1635.3	1638.8	1637.7
25°	1629.5	1635.3	1643.5	1645.8	1644.7
27.5°	1635.3	1642.3	1650.5	1654.0	1651.7
30°	1637.7	1644.7	1655.2	1657.5	1656.4
32.5°	1636.5	1643.5	1654.0	1657.5	1656.4
35°	1628.3	1636.5	1648.2	1652.9	1651.7
37.5°	1613.1	1621.3	1633.0	1638.8	1640.0
40°	1588.6	1596.8	1609.6	1617.8	1619.0
42.5°	1552.4	1560.6	1574.6	1583.9	1587.4
45°	1506.8	1513.8	1527.9	1538.4	1544.2
47.5°	1449.6	1455.4	1470.6	1482.3	1488.1
50°	1379.5	1385.4	1400.5	1412.2	1420.4
52.5°	1300.1	1304.8	1319.9	1334.0	1341.0
55°	1212.5	1216.0	1231.2	1245.2	1253.4
57.5°	1113.2	1123.7	1135.4	1148.2	1157.6
60°	1012.7	1020.9	1034.9	1047.8	1057.1
62.5°	905.3	920.5	936.8	943.8	952.0
65°	802.5	814.2	831.7	836.4	845.7
67.5°	700.9	713.7	728.9	732.4	738.2
70°	603.9	614.4	626.1	630.8	633.1
72.5°	512.8	521.0	529.1	532.6	532.6
75°	428.7	435.7	440.4	441.5	440.4
77.5°	352.8	353.9	364.4	357.4	356.3
80°	278.0	278.0	281.5	281.5	279.2
82.5°	205.6	210.3	209.1	207.9	204.4
85°	135.5	141.3	140.2	137.8	135.5
87.5°	66.6	73.6	70.1	73.6	67.7
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	20.2	18.8	20.5	20.8	18.6	20.3	19.0	20.6	21.0
	3H	20.1	21.7	20.5	22.0	22.4	20.3	21.9	20.7	22.2	22.6
	4H	20.8	22.2	21.2	22.6	23.0	21.0	22.4	21.4	22.8	23.2
	6H	21.3	22.7	21.7	23.0	23.4	21.5	22.8	21.9	23.2	23.6
	8H	21.5	22.8	21.9	23.2	23.6	21.7	23.0	22.1	23.4	23.8
	12H	21.7	22.9	22.1	23.3	23.7	21.8	23.1	22.2	23.4	23.9
4H	2H	19.1	20.6	19.5	20.9	21.3	19.2	20.7	19.6	21.0	21.4
	3H	21.0	22.2	21.4	22.6	23.0	21.2	22.4	21.6	22.8	23.2
	4H	21.8	22.9	22.2	23.3	23.7	21.9	23.1	22.4	23.5	23.9
	6H	22.4	23.4	22.9	23.9	24.3	22.6	23.6	23.0	24.0	24.5
	8H	22.7	23.6	23.2	24.1	24.5	22.8	23.8	23.3	24.2	24.7
	12H	22.9	23.7	23.4	24.2	24.7	23.0	23.9	23.5	24.3	24.8
8H	4H	22.1	23.0	22.6	23.5	23.9	22.3	23.2	22.7	23.6	24.1
	6H	22.9	23.7	23.4	24.2	24.7	23.1	23.8	23.5	24.3	24.8
	8H	23.3	24.0	23.8	24.5	24.9	23.4	24.1	23.9	24.6	25.1
	12H	23.6	24.2	24.1	24.7	25.2	23.7	24.3	24.2	24.8	25.3
12H	4H	22.2	23.0	22.6	23.5	23.9	22.3	23.1	22.8	23.6	24.1
	6H	23.0	23.7	23.5	24.2	24.7	23.1	23.8	23.7	24.3	24.8
	8H	23.4	24.0	23.9	24.5	25.1	23.5	24.1	24.0	24.6	25.2















(END OF REPORT)