

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: P1527057

Luminaire Tested: 22CGTX-60HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527057
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

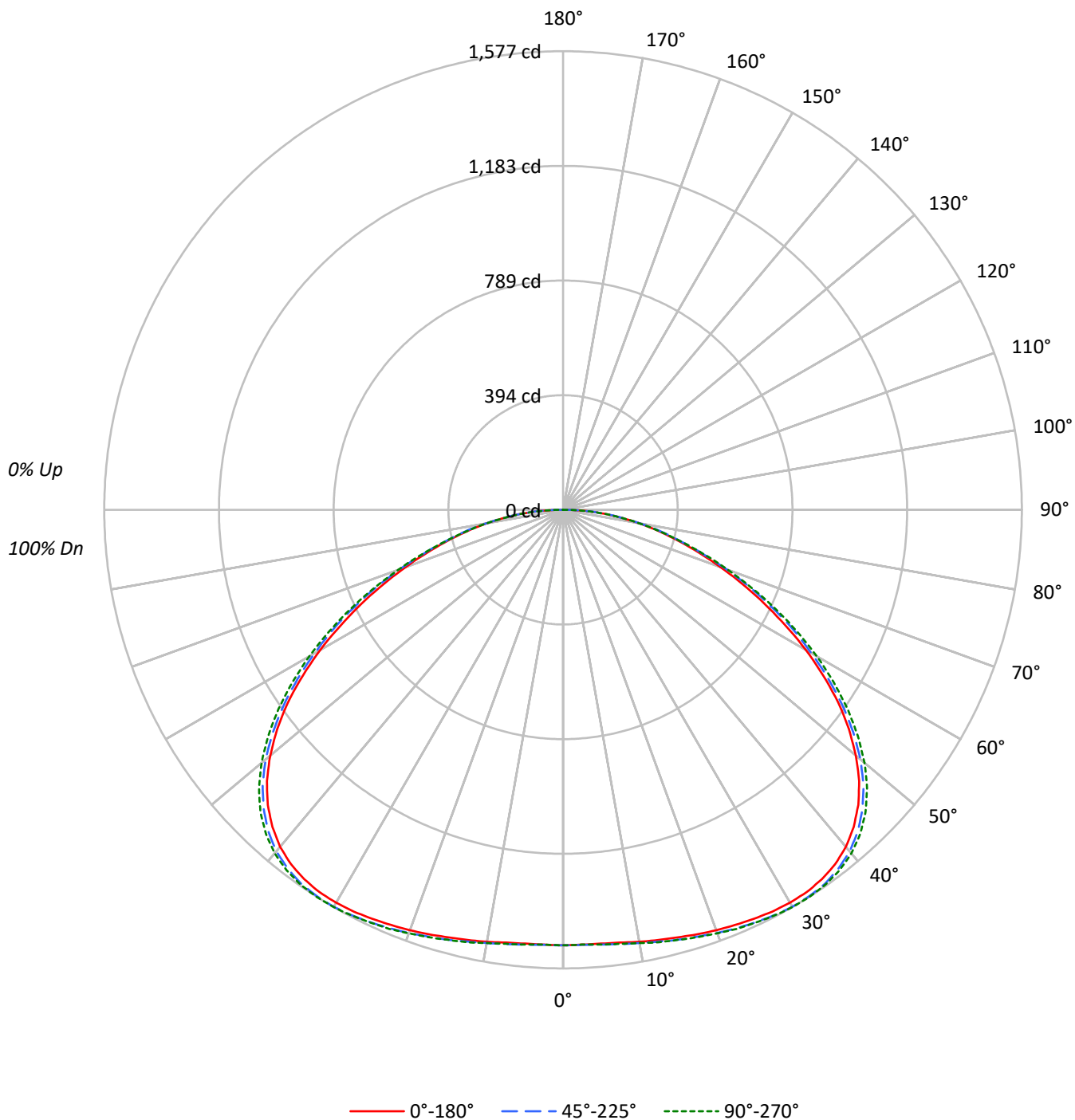
Lumens per Lamp: N/A
Luminaire Lumens: 5812.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			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	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°	4029	4029	4029
5°	4045	4054	4054
10°	4122	4134	4134
15°	4239	4264	4264
20°	4405	4434	4438
25°	4608	4647	4650
30°	4846	4898	4901
35°	5094	5156	5167
40°	5314	5385	5416
45°	5461	5537	5597
50°	5500	5584	5663
55°	5417	5501	5600
60°	5190	5304	5418
65°	4866	5043	5128
70°	4525	4691	4744
75°	4244	4361	4361
80°	4102	4155	4121
85°	3983	4122	3983

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 5663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	2.5
10°-20°	433.9	7.5
20°-30°	723.1	12.4
30°-40°	979.7	16.9
40°-50°	1117.3	19.2
50°-60°	1044.5	18.0
60°-70°	780.0	13.4
70°-80°	445.3	7.7
80°-90°	144.6	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°	1300.6	22.4
0°-40°	2280.3	39.2
0°-60°	4442.1	76.4
0°-90°	5812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1497	1500	1501	1502	1501	143
15°	1522	1526	1531	1532	1531	432
25°	1552	1557	1565	1567	1566	718
35°	1551	1558	1570	1574	1573	970
45°	1435	1442	1455	1465	1471	1103
55°	1155	1158	1172	1186	1194	1027
65°	764	775	792	796	805	758
75°	408	415	419	420	419	436
85°	129	135	134	131	129	142
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1497.3	1497.3	1497.3	1497.3	1497.3
2.5°	1496.2	1497.3	1497.3	1499.5	1496.2
5°	1497.3	1499.5	1500.6	1501.7	1500.6
7.5°	1500.6	1503.9	1506.2	1507.3	1505.1
10°	1508.4	1510.6	1512.8	1515.1	1512.8
12.5°	1515.1	1518.4	1520.6	1524.0	1522.9
15°	1521.7	1526.2	1530.6	1531.8	1530.6
17.5°	1530.6	1534.0	1538.4	1540.7	1540.7
20°	1538.4	1542.9	1548.4	1550.7	1549.6
22.5°	1545.1	1550.7	1557.3	1560.7	1559.6
25°	1551.8	1557.3	1565.1	1567.4	1566.2
27.5°	1557.3	1564.0	1571.8	1575.1	1572.9
30°	1559.6	1566.2	1576.3	1578.5	1577.4
32.5°	1558.5	1565.1	1575.1	1578.5	1577.4
35°	1550.7	1558.5	1569.6	1574.0	1572.9
37.5°	1536.2	1544.0	1555.1	1560.7	1561.8
40°	1512.8	1520.6	1532.9	1540.7	1541.8
42.5°	1478.4	1486.2	1499.5	1508.4	1511.7
45°	1435.0	1441.7	1455.0	1465.0	1470.6
47.5°	1380.5	1386.0	1400.5	1411.6	1417.2
50°	1313.7	1319.3	1333.8	1344.9	1352.7
52.5°	1238.1	1242.5	1257.0	1270.3	1277.0
55°	1154.7	1158.0	1172.5	1185.8	1193.6
57.5°	1060.1	1070.1	1081.2	1093.5	1102.4
60°	964.4	972.2	985.6	997.8	1006.7
62.5°	862.1	876.6	892.1	898.8	906.6
65°	764.2	775.3	792.0	796.5	805.4
67.5°	667.4	679.7	694.1	697.5	703.0
70°	575.1	585.1	596.2	600.7	602.9
72.5°	488.3	496.1	503.9	507.2	507.2
75°	408.2	414.9	419.4	420.5	419.4
77.5°	335.9	337.1	347.1	340.4	339.3
80°	264.7	264.7	268.1	268.1	265.9
82.5°	195.8	200.2	199.1	198.0	194.7
85°	129.0	134.6	133.5	131.3	129.0
87.5°	63.4	70.1	66.7	70.1	64.5
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	18.3	20.0	18.6	20.3	20.6	18.4	20.2	18.8	20.5	20.8
	3H	20.0	21.5	20.3	21.8	22.2	20.2	21.7	20.6	22.0	22.4
	4H	20.6	22.1	21.0	22.4	22.8	20.8	22.3	21.2	22.6	23.0
	6H	21.1	22.5	21.5	22.9	23.2	21.3	22.7	21.7	23.0	23.4
	8H	21.3	22.6	21.8	23.0	23.4	21.5	22.8	21.9	23.2	23.6
	12H	21.5	22.7	21.9	23.1	23.5	21.7	22.9	22.1	23.3	23.7
4H	2H	18.9	20.4	19.3	20.7	21.1	19.1	20.5	19.5	20.9	21.2
	3H	20.8	22.1	21.2	22.5	22.9	21.0	22.2	21.4	22.6	23.0
	4H	21.6	22.7	22.0	23.1	23.6	21.8	22.9	22.2	23.3	23.7
	6H	22.3	23.3	22.7	23.7	24.1	22.4	23.4	22.9	23.8	24.3
	8H	22.5	23.5	23.0	23.9	24.4	22.7	23.6	23.1	24.0	24.5
	12H	22.7	23.6	23.2	24.0	24.5	22.9	23.7	23.3	24.2	24.6
8H	4H	22.0	22.9	22.4	23.3	23.8	22.1	23.0	22.6	23.5	23.9
	6H	22.8	23.5	23.2	24.0	24.5	22.9	23.6	23.4	24.1	24.6
	8H	23.1	23.8	23.6	24.3	24.8	23.2	23.9	23.7	24.4	24.9
	12H	23.4	24.0	23.9	24.5	25.1	23.5	24.1	24.0	24.6	25.2
12H	4H	22.0	22.8	22.5	23.3	23.8	22.1	23.0	22.6	23.4	23.9
	6H	22.8	23.5	23.4	24.0	24.5	23.0	23.7	23.5	24.1	24.7
	8H	23.2	23.9	23.8	24.3	24.9	23.4	24.0	23.9	24.5	25.0















(END OF REPORT)