

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: P1527060

Luminaire Tested: 22CGTX-60HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527060
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

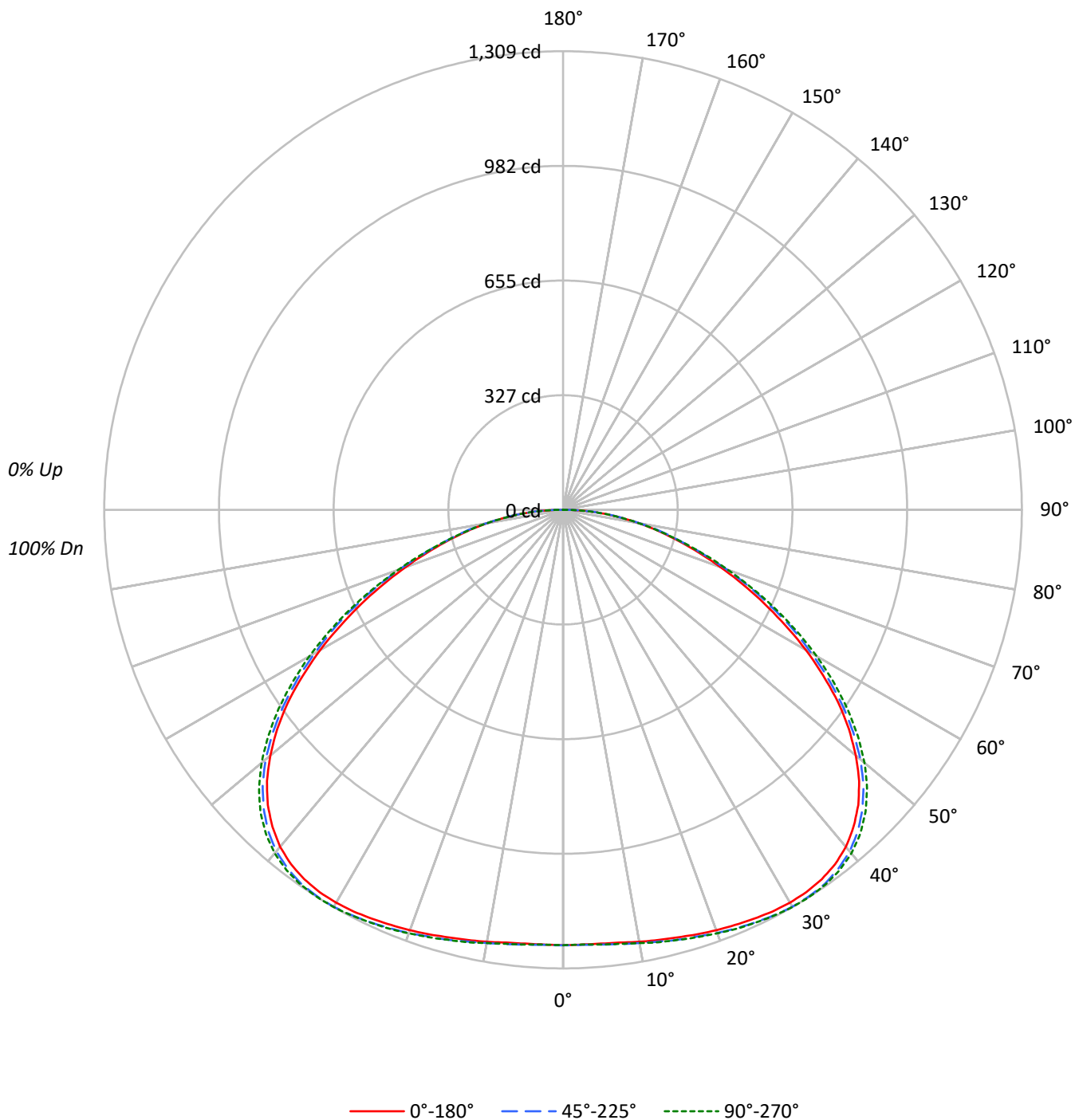
Lumens per Lamp: N/A
Luminaire Lumens: 4824.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	3344	3344	3344
5°	3357	3364	3364
10°	3421	3431	3431
15°	3519	3539	3539
20°	3657	3680	3683
25°	3824	3857	3860
30°	4022	4065	4068
35°	4228	4280	4289
40°	4411	4469	4495
45°	4533	4596	4645
50°	4565	4634	4700
55°	4496	4566	4648
60°	4308	4402	4497
65°	4039	4186	4257
70°	3755	3894	3937
75°	3523	3619	3619
80°	3405	3448	3420
85°	3307	3421	3307

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 4700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	2.5
10°-20°	360.1	7.5
20°-30°	600.2	12.4
30°-40°	813.2	16.9
40°-50°	927.4	19.2
50°-60°	866.9	18.0
60°-70°	647.4	13.4
70°-80°	369.6	7.7
80°-90°	120.0	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°	1079.5	22.4
0°-40°	1892.7	39.2
0°-60°	3687.0	76.4
0°-90°	4824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1243	1245	1246	1246	1246	119
15°	1263	1267	1270	1271	1270	359
25°	1288	1293	1299	1301	1300	596
35°	1287	1294	1303	1306	1306	805
45°	1191	1197	1208	1216	1221	915
55°	958	961	973	984	991	852
65°	634	644	657	661	668	629
75°	339	344	348	349	348	362
85°	107	112	111	109	107	118
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.8	1242.8	1242.8	1242.8	1242.8
2.5°	1241.8	1242.8	1242.8	1244.6	1241.8
5°	1242.8	1244.6	1245.5	1246.4	1245.5
7.5°	1245.5	1248.3	1250.1	1251.1	1249.2
10°	1252.0	1253.8	1255.7	1257.5	1255.7
12.5°	1257.5	1260.3	1262.1	1264.9	1264.0
15°	1263.1	1266.8	1270.5	1271.4	1270.5
17.5°	1270.5	1273.2	1276.9	1278.8	1278.8
20°	1276.9	1280.6	1285.2	1287.1	1286.2
22.5°	1282.5	1287.1	1292.6	1295.4	1294.5
25°	1288.0	1292.6	1299.1	1300.9	1300.0
27.5°	1292.6	1298.2	1304.6	1307.4	1305.5
30°	1294.5	1300.0	1308.3	1310.2	1309.2
32.5°	1293.5	1299.1	1307.4	1310.2	1309.2
35°	1287.1	1293.5	1302.8	1306.5	1305.5
37.5°	1275.1	1281.5	1290.8	1295.4	1296.3
40°	1255.7	1262.1	1272.3	1278.8	1279.7
42.5°	1227.1	1233.5	1244.6	1252.0	1254.8
45°	1191.1	1196.6	1207.7	1216.0	1220.6
47.5°	1145.8	1150.4	1162.4	1171.7	1176.3
50°	1090.4	1095.0	1107.0	1116.3	1122.7
52.5°	1027.6	1031.3	1043.3	1054.4	1059.9
55°	958.4	961.2	973.2	984.2	990.7
57.5°	879.9	888.2	897.4	907.6	915.0
60°	800.5	807.0	818.0	828.2	835.6
62.5°	715.6	727.6	740.5	746.0	752.5
65°	634.3	643.5	657.4	661.1	668.5
67.5°	554.0	564.1	576.1	578.9	583.5
70°	477.3	485.7	494.9	498.6	500.4
72.5°	405.3	411.8	418.3	421.0	421.0
75°	338.8	344.4	348.1	349.0	348.1
77.5°	278.8	279.8	288.1	282.5	281.6
80°	219.7	219.7	222.5	222.5	220.7
82.5°	162.5	166.2	165.3	164.3	161.6
85°	107.1	111.7	110.8	108.9	107.1
87.5°	52.6	58.2	55.4	58.2	53.6
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	17.6	19.3	18.0	19.6	20.0	17.8	19.5	18.2	19.8	20.1
	3H	19.3	20.9	19.7	21.2	21.6	19.5	21.1	19.9	21.4	21.8
	4H	20.0	21.4	20.4	21.8	22.1	20.2	21.6	20.6	22.0	22.4
	6H	20.5	21.8	20.9	22.2	22.6	20.7	22.0	21.1	22.4	22.8
	8H	20.7	22.0	21.1	22.4	22.8	20.9	22.2	21.3	22.5	22.9
	12H	20.8	22.1	21.3	22.5	22.9	21.0	22.2	21.4	22.6	23.1
4H	2H	18.3	19.7	18.7	20.1	20.5	18.4	19.9	18.8	20.2	20.6
	3H	20.2	21.4	20.6	21.8	22.2	20.4	21.6	20.8	22.0	22.4
	4H	21.0	22.1	21.4	22.5	22.9	21.1	22.2	21.6	22.7	23.1
	6H	21.6	22.6	22.1	23.1	23.5	21.8	22.8	22.2	23.2	23.6
	8H	21.9	22.8	22.3	23.2	23.7	22.0	22.9	22.5	23.4	23.8
	12H	22.1	22.9	22.6	23.4	23.9	22.2	23.1	22.7	23.5	24.0
8H	4H	21.3	22.2	21.8	22.7	23.1	21.4	22.4	21.9	22.8	23.3
	6H	22.1	22.9	22.6	23.4	23.8	22.2	23.0	22.7	23.5	24.0
	8H	22.5	23.1	23.0	23.6	24.1	22.6	23.3	23.1	23.8	24.2
	12H	22.8	23.4	23.3	23.9	24.4	22.9	23.5	23.4	24.0	24.5
12H	4H	21.4	22.2	21.8	22.7	23.1	21.5	22.3	22.0	22.8	23.3
	6H	22.2	22.9	22.7	23.3	23.9	22.3	23.0	22.8	23.5	24.0
	8H	22.6	23.2	23.1	23.7	24.3	22.7	23.3	23.2	23.8	24.4















(END OF REPORT)