

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: P1527061

Luminaire Tested: 22CGTX-60HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527061
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-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

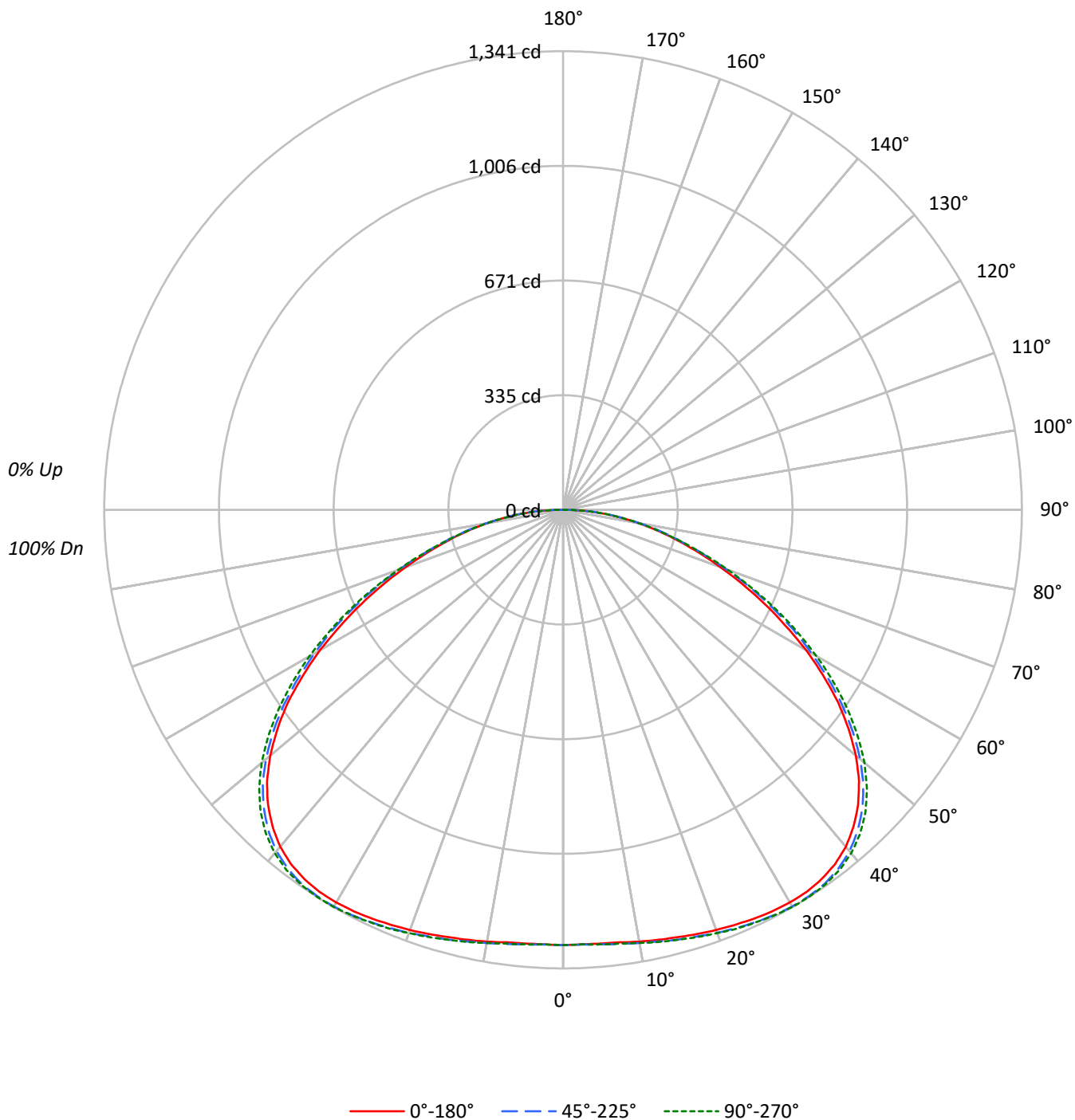
Lumens per Lamp: N/A
Luminaire Lumens: 4940.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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	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°	3425	3425	3425
5°	3438	3445	3445
10°	3503	3514	3514
15°	3603	3624	3624
20°	3745	3769	3772
25°	3916	3950	3953
30°	4119	4163	4166
35°	4330	4383	4392
40°	4517	4577	4604
45°	4642	4706	4757
50°	4675	4746	4813
55°	4604	4676	4760
60°	4412	4508	4605
65°	4136	4287	4358
70°	3846	3987	4032
75°	3608	3707	3707
80°	3487	3532	3502
85°	3387	3504	3387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 4813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	2.5
10°-20°	368.8	7.5
20°-30°	614.6	12.4
30°-40°	832.7	16.9
40°-50°	949.7	19.2
50°-60°	887.8	18.0
60°-70°	663.0	13.4
70°-80°	378.5	7.7
80°-90°	122.9	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°	1105.5	22.4
0°-40°	1938.2	39.2
0°-60°	3775.6	76.4
0°-90°	4940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4940.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1273	1273	1273	1273	1273	
5°	1273	1274	1276	1276	1276	122
15°	1293	1297	1301	1302	1301	367
25°	1319	1324	1330	1332	1331	610
35°	1318	1325	1334	1338	1337	825
45°	1220	1225	1237	1245	1250	937
55°	981	984	997	1008	1014	873
65°	650	659	673	677	684	644
75°	347	353	356	357	356	370
85°	110	114	114	112	110	120
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1272.6	1272.6	1272.6	1272.6	1272.6
2.5°	1271.7	1272.6	1272.6	1274.5	1271.7
5°	1272.6	1274.5	1275.5	1276.4	1275.5
7.5°	1275.5	1278.3	1280.2	1281.1	1279.3
10°	1282.1	1284.0	1285.9	1287.8	1285.9
12.5°	1287.8	1290.6	1292.5	1295.3	1294.4
15°	1293.4	1297.2	1301.0	1302.0	1301.0
17.5°	1301.0	1303.8	1307.6	1309.5	1309.5
20°	1307.6	1311.4	1316.1	1318.0	1317.1
22.5°	1313.3	1318.0	1323.7	1326.5	1325.6
25°	1319.0	1323.7	1330.3	1332.2	1331.3
27.5°	1323.7	1329.4	1336.0	1338.8	1336.9
30°	1325.6	1331.3	1339.8	1341.7	1340.7
32.5°	1324.6	1330.3	1338.8	1341.7	1340.7
35°	1318.0	1324.6	1334.1	1337.9	1336.9
37.5°	1305.7	1312.4	1321.8	1326.5	1327.5
40°	1285.9	1292.5	1302.9	1309.5	1310.5
42.5°	1256.6	1263.2	1274.5	1282.1	1284.9
45°	1219.7	1225.4	1236.7	1245.2	1249.9
47.5°	1173.4	1178.1	1190.4	1199.8	1204.6
50°	1116.6	1121.4	1133.7	1143.1	1149.7
52.5°	1052.3	1056.1	1068.4	1079.8	1085.4
55°	981.4	984.3	996.6	1007.9	1014.5
57.5°	901.1	909.6	919.0	929.4	937.0
60°	819.7	826.4	837.7	848.1	855.7
62.5°	732.8	745.1	758.3	764.0	770.6
65°	649.6	659.0	673.2	677.0	684.5
67.5°	567.3	577.7	590.0	592.8	597.6
70°	488.8	497.3	506.8	510.6	512.5
72.5°	415.1	421.7	428.3	431.1	431.1
75°	347.0	352.7	356.5	357.4	356.5
77.5°	285.5	286.5	295.0	289.3	288.4
80°	225.0	225.0	227.9	227.9	226.0
82.5°	166.4	170.2	169.2	168.3	165.5
85°	109.7	114.4	113.5	111.6	109.7
87.5°	53.9	59.6	56.7	59.6	54.8
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	17.7	19.4	18.1	19.7	20.0	17.9	19.6	18.2	19.9	20.2
	3H	19.4	20.9	19.8	21.3	21.6	19.6	21.2	20.0	21.5	21.8
	4H	20.0	21.5	20.4	21.9	22.2	20.3	21.7	20.6	22.1	22.4
	6H	20.6	21.9	21.0	22.3	22.7	20.8	22.1	21.2	22.5	22.9
	8H	20.8	22.1	21.2	22.5	22.9	20.9	22.2	21.4	22.6	23.0
	12H	20.9	22.2	21.4	22.6	23.0	21.1	22.3	21.5	22.7	23.1
4H	2H	18.4	19.8	18.8	20.2	20.5	18.5	20.0	18.9	20.3	20.7
	3H	20.3	21.5	20.7	21.9	22.3	20.4	21.7	20.8	22.1	22.5
	4H	21.0	22.2	21.5	22.6	23.0	21.2	22.3	21.6	22.7	23.2
	6H	21.7	22.7	22.2	23.1	23.6	21.9	22.8	22.3	23.3	23.7
	8H	22.0	22.9	22.4	23.3	23.8	22.1	23.0	22.6	23.5	23.9
	12H	22.2	23.0	22.7	23.5	24.0	22.3	23.1	22.8	23.6	24.1
8H	4H	21.4	22.3	21.8	22.7	23.2	21.5	22.4	22.0	22.9	23.4
	6H	22.2	23.0	22.7	23.4	23.9	22.3	23.1	22.8	23.6	24.0
	8H	22.5	23.2	23.0	23.7	24.2	22.6	23.3	23.2	23.8	24.3
	12H	22.8	23.5	23.4	23.9	24.5	22.9	23.6	23.4	24.0	24.6
12H	4H	21.4	22.3	21.9	22.7	23.2	21.6	22.4	22.1	22.9	23.3
	6H	22.3	23.0	22.8	23.4	24.0	22.4	23.1	22.9	23.6	24.1
	8H	22.7	23.3	23.2	23.8	24.3	22.8	23.4	23.3	23.9	24.4















(END OF REPORT)