

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: P1527062

Luminaire Tested: 22CGTX-60HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527062
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

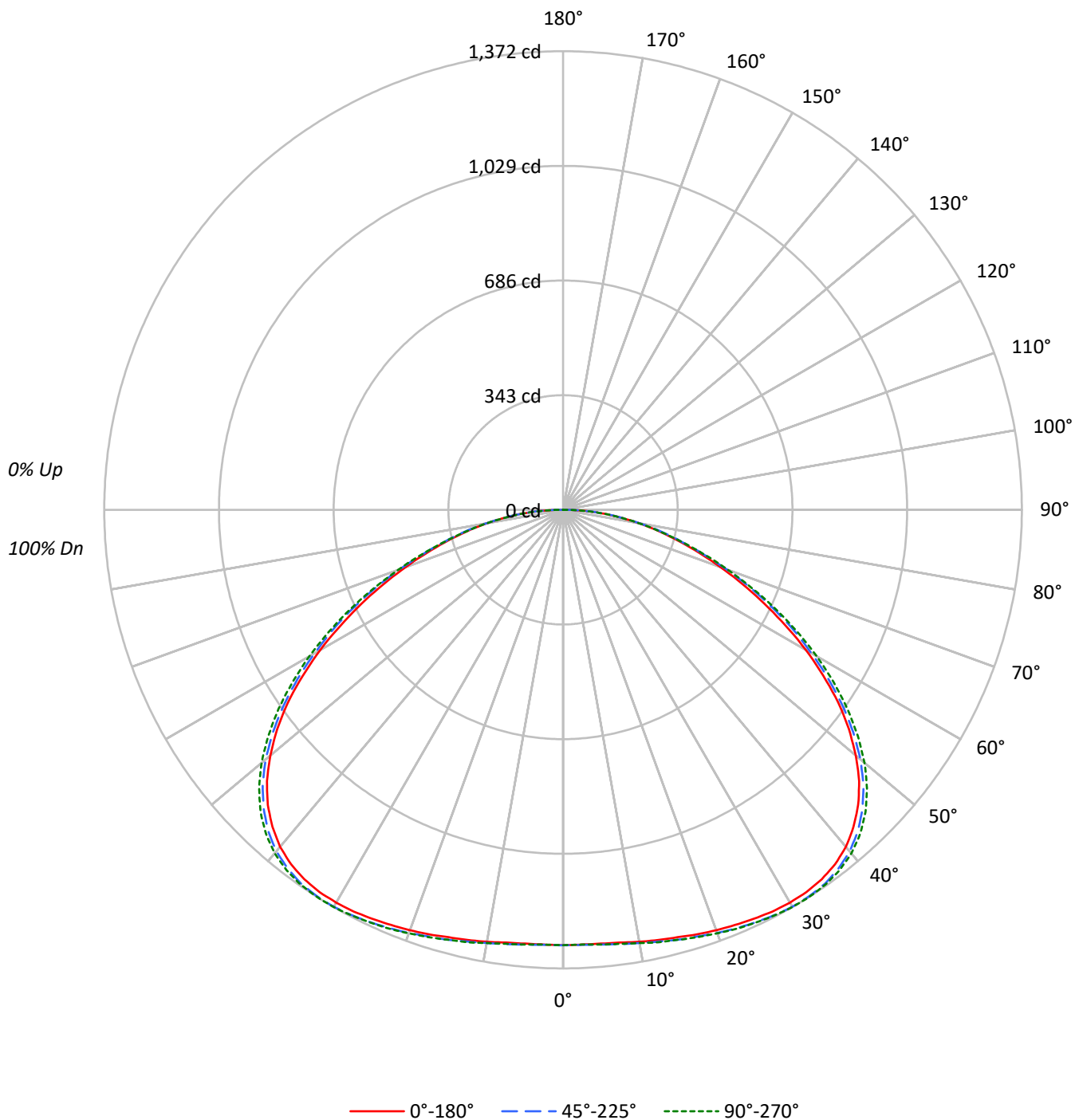
Lumens per Lamp: N/A
Luminaire Lumens: 5056.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		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°	3505	3505	3505
5°	3518	3526	3526
10°	3586	3596	3596
15°	3688	3710	3710
20°	3832	3857	3860
25°	4008	4043	4045
30°	4216	4261	4264
35°	4432	4485	4495
40°	4623	4684	4711
45°	4751	4817	4869
50°	4785	4858	4926
55°	4713	4785	4871
60°	4515	4614	4714
65°	4233	4387	4461
70°	3936	4081	4127
75°	3692	3793	3793
80°	3569	3614	3584
85°	3467	3585	3467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 4926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	2.5
10°-20°	377.5	7.5
20°-30°	629.1	12.4
30°-40°	852.3	16.9
40°-50°	972.0	19.2
50°-60°	908.6	18.0
60°-70°	678.5	13.4
70°-80°	387.4	7.7
80°-90°	125.8	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°	1131.4	22.4
0°-40°	1983.7	39.2
0°-60°	3864.3	76.4
0°-90°	5056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1302	1304	1305	1306	1305	125
15°	1324	1328	1332	1332	1332	376
25°	1350	1355	1362	1364	1362	625
35°	1349	1356	1365	1369	1368	844
45°	1248	1254	1266	1274	1279	959
55°	1004	1007	1020	1032	1038	893
65°	665	674	689	693	701	659
75°	355	361	365	366	365	379
85°	112	117	116	114	112	123
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1301.6	1302.5	1302.5	1304.5	1301.6
5°	1302.5	1304.5	1305.4	1306.4	1305.4
7.5°	1305.4	1308.3	1310.3	1311.2	1309.3
10°	1312.2	1314.1	1316.1	1318.0	1316.1
12.5°	1318.0	1320.9	1322.8	1325.7	1324.8
15°	1323.8	1327.7	1331.6	1332.5	1331.6
17.5°	1331.6	1334.5	1338.3	1340.3	1340.3
20°	1338.3	1342.2	1347.0	1349.0	1348.0
22.5°	1344.1	1349.0	1354.8	1357.7	1356.7
25°	1349.9	1354.8	1361.6	1363.5	1362.5
27.5°	1354.8	1360.6	1367.4	1370.3	1368.3
30°	1356.7	1362.5	1371.2	1373.2	1372.2
32.5°	1355.7	1361.6	1370.3	1373.2	1372.2
35°	1349.0	1355.7	1365.4	1369.3	1368.3
37.5°	1336.4	1343.2	1352.8	1357.7	1358.7
40°	1316.1	1322.8	1333.5	1340.3	1341.2
42.5°	1286.1	1292.8	1304.5	1312.2	1315.1
45°	1248.3	1254.1	1265.8	1274.5	1279.3
47.5°	1200.9	1205.8	1218.3	1228.0	1232.8
50°	1142.9	1147.7	1160.3	1169.9	1176.7
52.5°	1077.1	1080.9	1093.5	1105.1	1110.9
55°	1004.5	1007.4	1020.0	1031.6	1038.3
57.5°	922.2	930.9	940.6	951.2	959.0
60°	839.0	845.8	857.4	868.0	875.8
62.5°	750.0	762.5	776.1	781.9	788.7
65°	664.8	674.5	689.0	692.9	700.6
67.5°	580.6	591.3	603.8	606.7	611.6
70°	500.3	509.0	518.7	522.6	524.5
72.5°	424.8	431.6	438.4	441.3	441.3
75°	355.1	361.0	364.8	365.8	364.8
77.5°	292.2	293.2	301.9	296.1	295.1
80°	230.3	230.3	233.2	233.2	231.3
82.5°	170.3	174.2	173.2	172.3	169.3
85°	112.3	117.1	116.1	114.2	112.3
87.5°	55.2	61.0	58.1	61.0	56.1
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	17.8	19.5	18.2	19.8	20.1	18.0	19.7	18.3	20.0	20.3
	3H	19.5	21.0	19.9	21.4	21.7	19.7	21.2	20.1	21.6	21.9
	4H	20.1	21.6	20.5	21.9	22.3	20.3	21.8	20.7	22.1	22.5
	6H	20.7	22.0	21.1	22.4	22.8	20.8	22.2	21.2	22.6	22.9
	8H	20.9	22.2	21.3	22.5	22.9	21.0	22.3	21.4	22.7	23.1
	12H	21.0	22.3	21.4	22.6	23.1	21.2	22.4	21.6	22.8	23.2
4H	2H	18.4	19.9	18.8	20.2	20.6	18.6	20.0	19.0	20.4	20.8
	3H	20.3	21.6	20.8	22.0	22.4	20.5	21.8	20.9	22.1	22.5
	4H	21.1	22.2	21.6	22.7	23.1	21.3	22.4	21.7	22.8	23.3
	6H	21.8	22.8	22.2	23.2	23.7	21.9	22.9	22.4	23.4	23.8
	8H	22.1	23.0	22.5	23.4	23.9	22.2	23.1	22.6	23.5	24.0
	12H	22.3	23.1	22.7	23.6	24.0	22.4	23.2	22.9	23.7	24.2
8H	4H	21.5	22.4	21.9	22.8	23.3	21.6	22.5	22.1	23.0	23.4
	6H	22.3	23.0	22.8	23.5	24.0	22.4	23.2	22.9	23.7	24.1
	8H	22.6	23.3	23.1	23.8	24.3	22.7	23.4	23.2	23.9	24.4
	12H	22.9	23.5	23.4	24.0	24.6	23.0	23.6	23.5	24.1	24.7
12H	4H	21.5	22.3	22.0	22.8	23.3	21.7	22.5	22.1	23.0	23.4
	6H	22.4	23.1	22.9	23.5	24.0	22.5	23.2	23.0	23.6	24.2
	8H	22.8	23.4	23.3	23.9	24.4	22.9	23.5	23.4	24.0	24.5













(END OF REPORT)