

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: P1527039

Luminaire Tested: 22CGTX-45-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527039
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-45-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

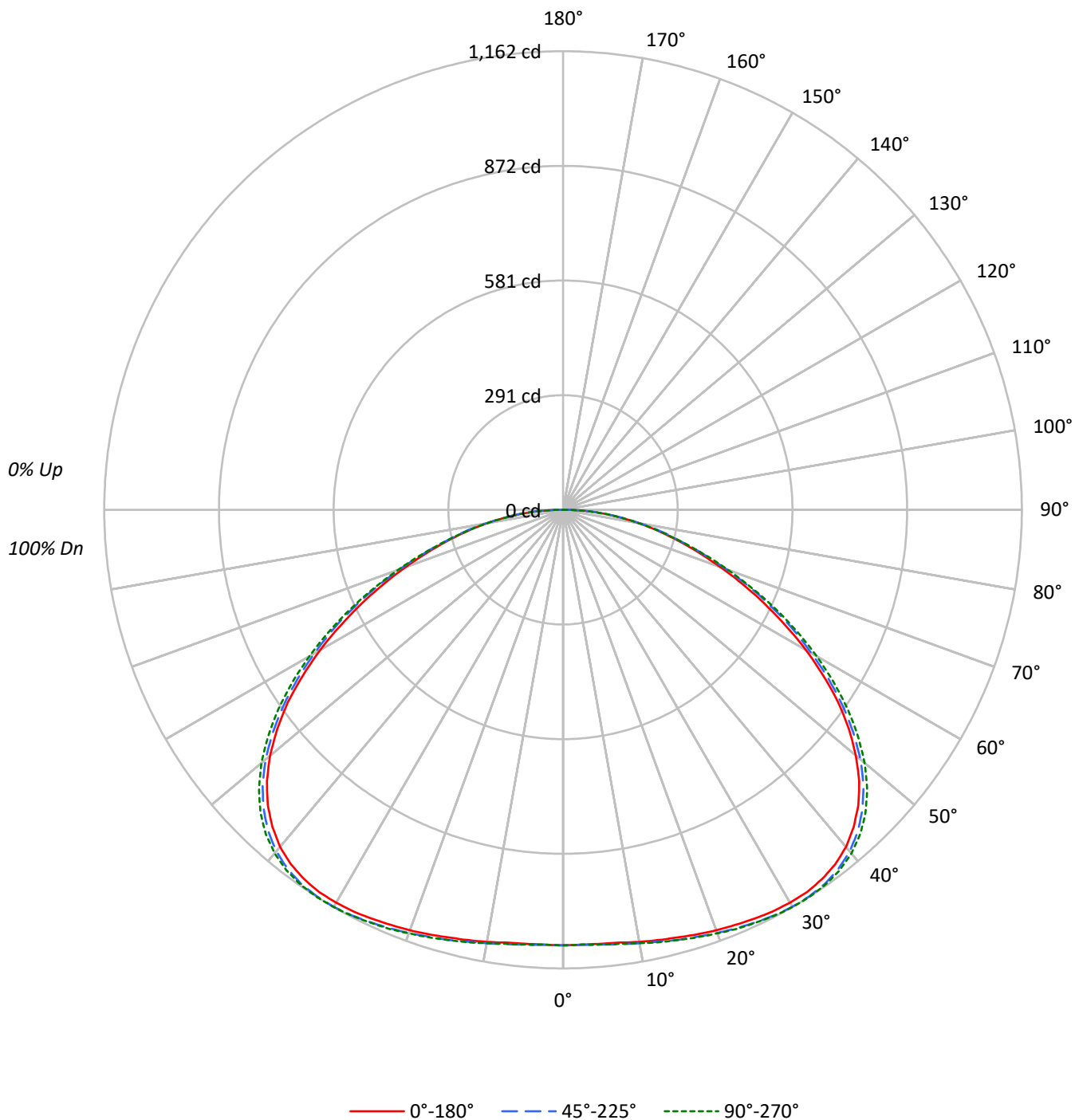
Lumens per Lamp: N/A
Luminaire Lumens: 4283.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.1
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°	2969	2969	2969
5°	2981	2987	2987
10°	3037	3046	3046
15°	3124	3143	3143
20°	3247	3268	3270
25°	3395	3425	3427
30°	3571	3609	3612
35°	3754	3800	3808
40°	3916	3968	3991
45°	4024	4080	4124
50°	4053	4115	4173
55°	3992	4054	4127
60°	3825	3909	3993
65°	3586	3717	3779
70°	3334	3457	3496
75°	3127	3213	3213
80°	3023	3062	3036
85°	2936	3038	2936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 4173 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	2.5
10°-20°	319.7	7.5
20°-30°	532.9	12.4
30°-40°	722.0	16.9
40°-50°	823.4	19.2
50°-60°	769.7	18.0
60°-70°	574.8	13.4
70°-80°	328.2	7.7
80°-90°	106.5	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°	958.4	22.4
0°-40°	1680.4	39.2
0°-60°	3273.5	76.4
0°-90°	4283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1103	1103	1103	1103	1103	
5°	1103	1105	1106	1107	1106	106
15°	1121	1125	1128	1129	1128	318
25°	1144	1148	1153	1155	1154	529
35°	1143	1148	1157	1160	1159	715
45°	1058	1062	1072	1080	1084	813
55°	851	853	864	874	880	757
65°	563	571	584	587	594	558
75°	301	306	309	310	309	321
85°	95	99	98	97	95	104
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1103.4	1103.4	1103.4	1103.4	1103.4
2.5°	1102.6	1103.4	1103.4	1105.0	1102.6
5°	1103.4	1105.0	1105.8	1106.7	1105.8
7.5°	1105.8	1108.3	1109.9	1110.8	1109.1
10°	1111.6	1113.2	1114.9	1116.5	1114.9
12.5°	1116.5	1119.0	1120.6	1123.1	1122.2
15°	1121.4	1124.7	1128.0	1128.8	1128.0
17.5°	1128.0	1130.4	1133.7	1135.3	1135.3
20°	1133.7	1137.0	1141.1	1142.7	1141.9
22.5°	1138.6	1142.7	1147.6	1150.1	1149.3
25°	1143.5	1147.6	1153.4	1155.0	1154.2
27.5°	1147.6	1152.6	1158.3	1160.8	1159.1
30°	1149.3	1154.2	1161.6	1163.2	1162.4
32.5°	1148.5	1153.4	1160.8	1163.2	1162.4
35°	1142.7	1148.5	1156.7	1159.9	1159.1
37.5°	1132.1	1137.8	1146.0	1150.1	1150.9
40°	1114.9	1120.6	1129.6	1135.3	1136.2
42.5°	1089.4	1095.2	1105.0	1111.6	1114.0
45°	1057.5	1062.4	1072.2	1079.6	1083.7
47.5°	1017.3	1021.4	1032.1	1040.3	1044.4
50°	968.1	972.2	982.9	991.1	996.8
52.5°	912.4	915.7	926.3	936.2	941.1
55°	850.9	853.4	864.0	873.9	879.6
57.5°	781.2	788.6	796.8	805.8	812.4
60°	710.7	716.5	726.3	735.3	741.9
62.5°	635.3	646.0	657.4	662.4	668.1
65°	563.2	571.4	583.7	586.9	593.5
67.5°	491.8	500.9	511.5	514.0	518.1
70°	423.8	431.2	439.4	442.7	444.3
72.5°	359.9	365.6	371.3	373.8	373.8
75°	300.8	305.8	309.0	309.9	309.0
77.5°	247.6	248.4	255.8	250.8	250.0
80°	195.1	195.1	197.6	197.6	195.9
82.5°	144.3	147.6	146.7	145.9	143.5
85°	95.1	99.2	98.4	96.7	95.1
87.5°	46.7	51.6	49.2	51.6	47.5
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	17.2	18.9	17.6	19.2	19.5	17.4	19.1	17.8	19.4	19.7
	3H	18.9	20.5	19.3	20.8	21.1	19.1	20.7	19.5	21.0	21.3
	4H	19.6	21.0	19.9	21.4	21.7	19.8	21.2	20.2	21.6	21.9
	6H	20.1	21.4	20.5	21.8	22.2	20.3	21.6	20.7	22.0	22.4
	8H	20.3	21.6	20.7	22.0	22.4	20.4	21.7	20.9	22.1	22.5
	12H	20.4	21.7	20.9	22.1	22.5	20.6	21.8	21.0	22.2	22.6
4H	2H	17.9	19.3	18.3	19.7	20.0	18.0	19.5	18.4	19.8	20.2
	3H	19.8	21.0	20.2	21.4	21.8	19.9	21.2	20.4	21.6	22.0
	4H	20.6	21.7	21.0	22.1	22.5	20.7	21.8	21.1	22.2	22.7
	6H	21.2	22.2	21.7	22.6	23.1	21.4	22.3	21.8	22.8	23.2
	8H	21.5	22.4	21.9	22.8	23.3	21.6	22.5	22.1	23.0	23.4
	12H	21.7	22.5	22.2	23.0	23.5	21.8	22.6	22.3	23.1	23.6
8H	4H	20.9	21.8	21.3	22.2	22.7	21.0	22.0	21.5	22.4	22.9
	6H	21.7	22.5	22.2	22.9	23.4	21.8	22.6	22.3	23.1	23.5
	8H	22.0	22.7	22.5	23.2	23.7	22.2	22.8	22.7	23.3	23.8
	12H	22.4	23.0	22.9	23.5	24.0	22.4	23.1	23.0	23.5	24.1
12H	4H	20.9	21.8	21.4	22.2	22.7	21.1	21.9	21.6	22.4	22.8
	6H	21.8	22.5	22.3	22.9	23.5	21.9	22.6	22.4	23.1	23.6
	8H	22.2	22.8	22.7	23.3	23.8	22.3	22.9	22.8	23.4	23.9













(END OF REPORT)