

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: P1527054

Luminaire Tested: 22CGTX-50HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527054
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-50HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

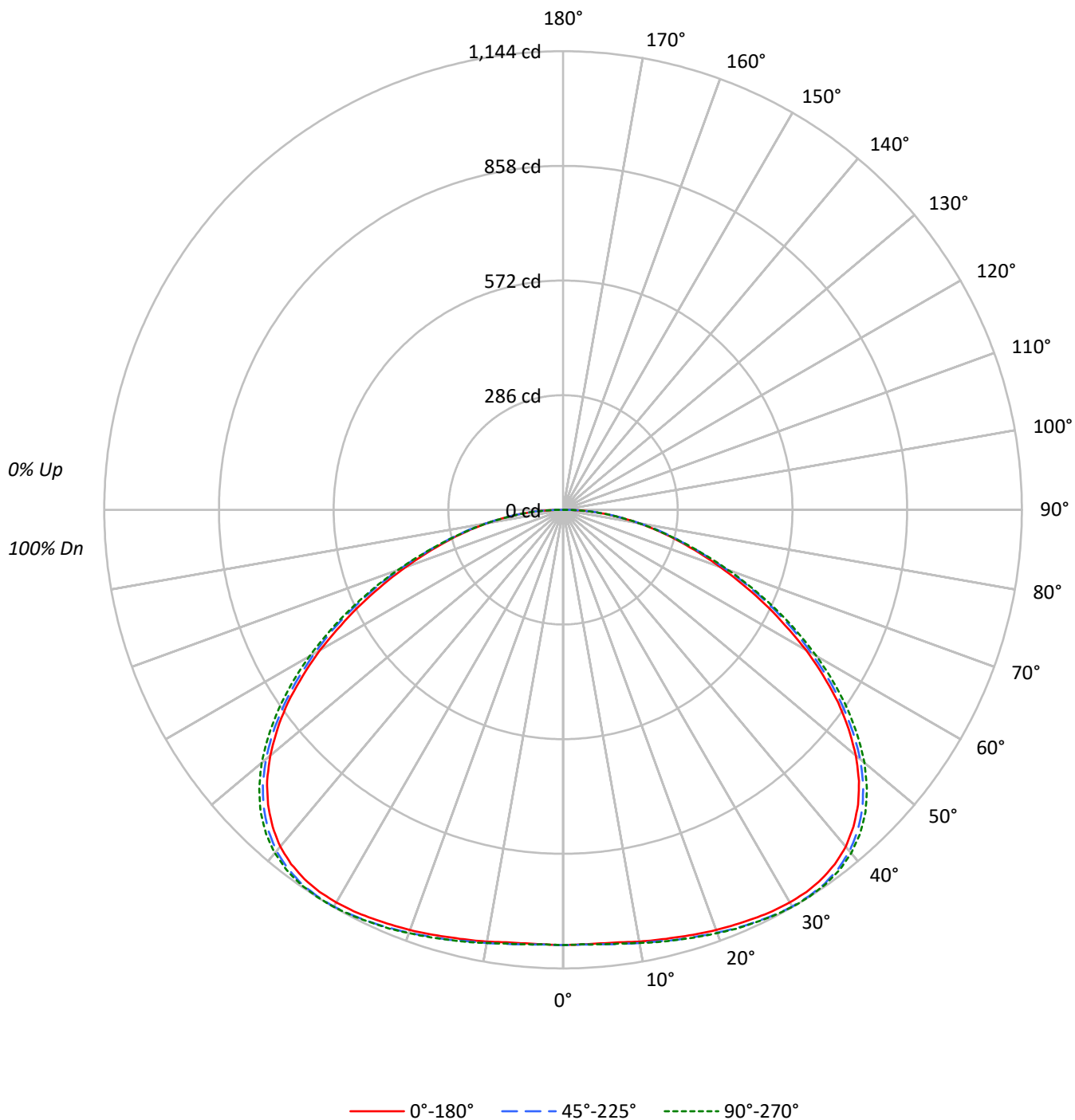
Lumens per Lamp: N/A
Luminaire Lumens: 4214.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 40
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°	2921	2921	2921
5°	2932	2939	2939
10°	2989	2997	2997
15°	3074	3092	3092
20°	3194	3215	3217
25°	3341	3369	3372
30°	3514	3551	3554
35°	3693	3738	3747
40°	3853	3904	3927
45°	3959	4015	4058
50°	3988	4048	4106
55°	3928	3988	4060
60°	3764	3846	3928
65°	3528	3657	3718
70°	3281	3401	3439
75°	3078	3162	3162
80°	2975	3013	2988
85°	2890	2989	2890

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 4106 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	2.5
10°-20°	314.6	7.5
20°-30°	524.3	12.4
30°-40°	710.3	16.9
40°-50°	810.1	19.2
50°-60°	757.3	18.0
60°-70°	565.5	13.4
70°-80°	322.9	7.7
80°-90°	104.8	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°	943.0	22.4
0°-40°	1653.3	39.2
0°-60°	3220.7	76.4
0°-90°	4214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1086	1087	1088	1089	1088	104
15°	1103	1107	1110	1111	1110	313
25°	1125	1129	1135	1136	1136	521
35°	1124	1130	1138	1141	1140	703
45°	1040	1045	1055	1062	1066	800
55°	837	840	850	860	865	745
65°	554	562	574	578	584	549
75°	296	301	304	305	304	316
85°	94	98	97	95	94	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1085.6	1085.6	1085.6	1085.6	1085.6
2.5°	1084.8	1085.6	1085.6	1087.2	1084.8
5°	1085.6	1087.2	1088.0	1088.8	1088.0
7.5°	1088.0	1090.4	1092.1	1092.9	1091.3
10°	1093.7	1095.3	1096.9	1098.5	1096.9
12.5°	1098.5	1100.9	1102.5	1105.0	1104.2
15°	1103.4	1106.6	1109.8	1110.6	1109.8
17.5°	1109.8	1112.2	1115.5	1117.1	1117.1
20°	1115.5	1118.7	1122.7	1124.3	1123.5
22.5°	1120.3	1124.3	1129.2	1131.6	1130.8
25°	1125.1	1129.2	1134.8	1136.4	1135.6
27.5°	1129.2	1134.0	1139.6	1142.1	1140.5
30°	1130.8	1135.6	1142.9	1144.5	1143.7
32.5°	1130.0	1134.8	1142.1	1144.5	1143.7
35°	1124.3	1130.0	1138.0	1141.3	1140.5
37.5°	1113.8	1119.5	1127.5	1131.6	1132.4
40°	1096.9	1102.5	1111.4	1117.1	1117.9
42.5°	1071.9	1077.5	1087.2	1093.7	1096.1
45°	1040.4	1045.3	1055.0	1062.2	1066.3
47.5°	1000.9	1005.0	1015.4	1023.5	1027.5
50°	952.5	956.6	967.0	975.1	980.8
52.5°	897.7	900.9	911.4	921.1	925.9
55°	837.2	839.6	850.1	859.8	865.4
57.5°	768.6	775.9	784.0	792.8	799.3
60°	699.3	704.9	714.6	723.5	729.9
62.5°	625.1	635.6	646.8	651.7	657.3
65°	554.1	562.2	574.3	577.5	583.9
67.5°	483.9	492.8	503.3	505.7	509.7
70°	417.0	424.2	432.3	435.5	437.1
72.5°	354.1	359.7	365.4	367.8	367.8
75°	296.0	300.8	304.1	304.9	304.1
77.5°	243.6	244.4	251.6	246.8	246.0
80°	192.0	192.0	194.4	194.4	192.8
82.5°	142.0	145.2	144.4	143.6	141.1
85°	93.6	97.6	96.8	95.2	93.6
87.5°	46.0	50.8	48.4	50.8	46.8
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	17.2	18.9	17.5	19.2	19.5	17.3	19.0	17.7	19.4	19.7
	3H	18.8	20.4	19.2	20.7	21.1	19.1	20.6	19.4	20.9	21.3
	4H	19.5	21.0	19.9	21.3	21.7	19.7	21.2	20.1	21.5	21.9
	6H	20.0	21.4	20.4	21.7	22.1	20.2	21.6	20.6	21.9	22.3
	8H	20.2	21.5	20.6	21.9	22.3	20.4	21.7	20.8	22.1	22.5
	12H	20.4	21.6	20.8	22.0	22.4	20.5	21.8	21.0	22.2	22.6
4H	2H	17.8	19.3	18.2	19.6	20.0	17.9	19.4	18.3	19.7	20.1
	3H	19.7	20.9	20.1	21.3	21.7	19.9	21.1	20.3	21.5	21.9
	4H	20.5	21.6	20.9	22.0	22.5	20.7	21.8	21.1	22.2	22.6
	6H	21.2	22.1	21.6	22.6	23.0	21.3	22.3	21.8	22.7	23.2
	8H	21.4	22.3	21.9	22.8	23.2	21.6	22.5	22.0	22.9	23.4
	12H	21.6	22.5	22.1	22.9	23.4	21.8	22.6	22.2	23.1	23.5
8H	4H	20.8	21.8	21.3	22.2	22.7	21.0	21.9	21.4	22.3	22.8
	6H	21.6	22.4	22.1	22.9	23.4	21.8	22.5	22.3	23.0	23.5
	8H	22.0	22.7	22.5	23.2	23.7	22.1	22.8	22.6	23.3	23.8
	12H	22.3	22.9	22.8	23.4	24.0	22.4	23.0	22.9	23.5	24.0
12H	4H	20.9	21.7	21.4	22.2	22.6	21.0	21.9	21.5	22.3	22.8
	6H	21.7	22.4	22.2	22.9	23.4	21.9	22.5	22.4	23.0	23.5
	8H	22.1	22.7	22.6	23.2	23.8	22.2	22.8	22.7	23.3	23.9













(END OF REPORT)