

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: P1527048

Luminaire Tested: 22CGTX-45HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527048
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-45HE-F125-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

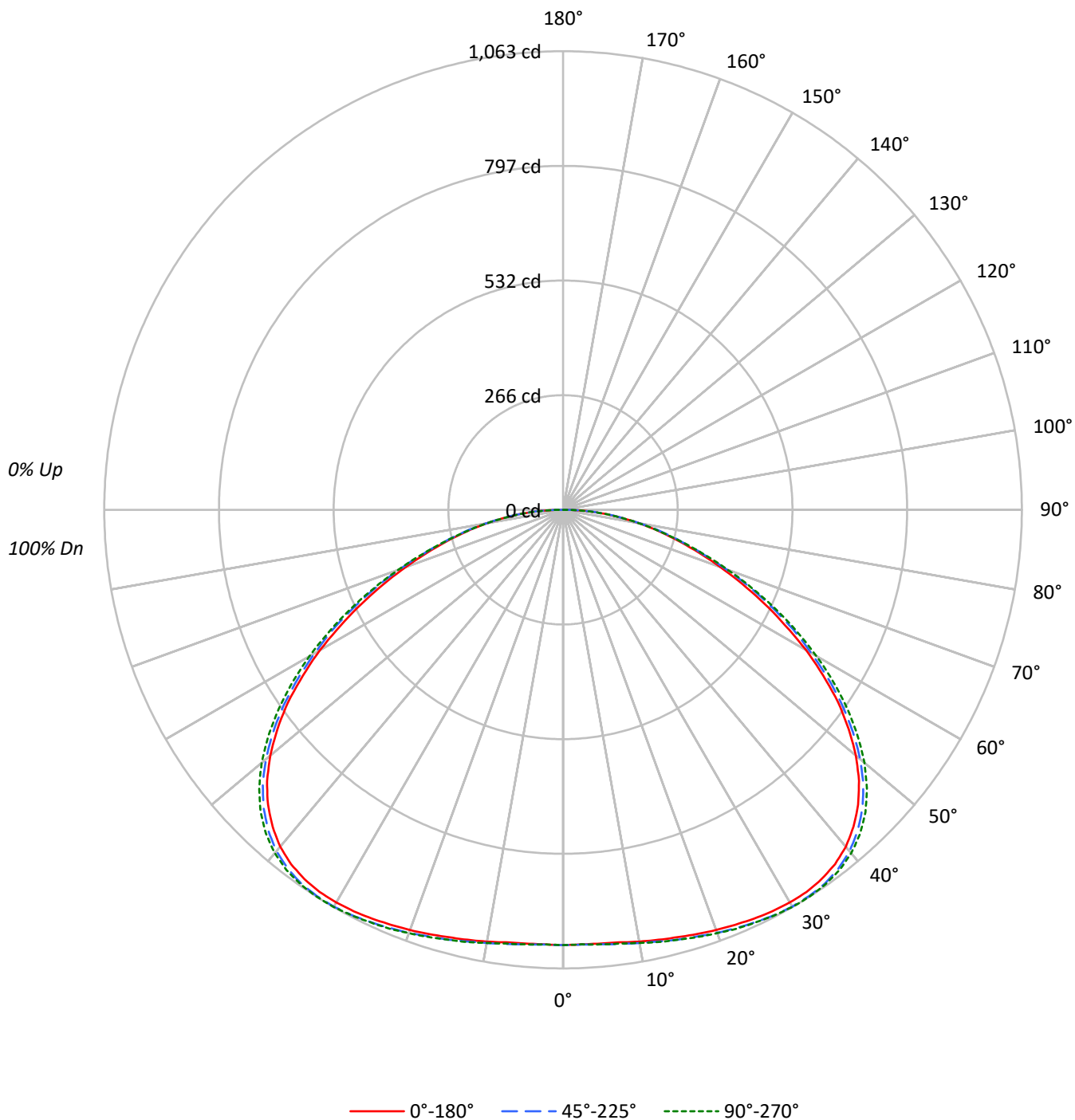
Lumens per Lamp: N/A
Luminaire Lumens: 3916.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.2
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	30	10	50	30	10
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°	2715	2715	2715
5°	2725	2731	2731
10°	2777	2785	2785
15°	2856	2873	2873
20°	2968	2988	2990
25°	3105	3131	3133
30°	3265	3300	3302
35°	3432	3474	3482
40°	3581	3628	3649
45°	3680	3731	3771
50°	3706	3762	3816
55°	3650	3706	3773
60°	3497	3574	3651
65°	3279	3398	3455
70°	3049	3161	3196
75°	2860	2938	2938
80°	2765	2799	2775
85°	2683	2776	2683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	2.5
10°-20°	292.4	7.5
20°-30°	487.2	12.4
30°-40°	660.1	16.9
40°-50°	752.8	19.2
50°-60°	703.7	18.0
60°-70°	525.5	13.4
70°-80°	300.1	7.7
80°-90°	97.4	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°	876.3	22.4
0°-40°	1536.4	39.2
0°-60°	2993.0	76.4
0°-90°	3916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	1009	1010	1011	1012	1011	97
15°	1025	1028	1031	1032	1031	291
25°	1046	1049	1055	1056	1055	484
35°	1045	1050	1058	1061	1060	654
45°	967	971	980	987	991	743
55°	778	780	790	799	804	692
65°	515	522	534	537	543	511
75°	275	280	283	283	283	294
85°	87	91	90	88	87	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1008.8	1008.8	1008.8	1008.8	1008.8
2.5°	1008.1	1008.8	1008.8	1010.3	1008.1
5°	1008.8	1010.3	1011.1	1011.8	1011.1
7.5°	1011.1	1013.3	1014.8	1015.6	1014.1
10°	1016.3	1017.8	1019.3	1020.8	1019.3
12.5°	1020.8	1023.1	1024.6	1026.8	1026.1
15°	1025.3	1028.3	1031.3	1032.1	1031.3
17.5°	1031.3	1033.6	1036.6	1038.1	1038.1
20°	1036.6	1039.6	1043.3	1044.8	1044.1
22.5°	1041.1	1044.8	1049.3	1051.6	1050.8
25°	1045.6	1049.3	1054.6	1056.1	1055.3
27.5°	1049.3	1053.8	1059.1	1061.3	1059.8
30°	1050.8	1055.3	1062.1	1063.6	1062.8
32.5°	1050.1	1054.6	1061.3	1063.6	1062.8
35°	1044.8	1050.1	1057.6	1060.6	1059.8
37.5°	1035.1	1040.3	1047.8	1051.6	1052.3
40°	1019.3	1024.6	1032.8	1038.1	1038.8
42.5°	996.1	1001.3	1010.3	1016.3	1018.6
45°	966.9	971.4	980.4	987.1	990.8
47.5°	930.1	933.9	943.6	951.1	954.9
50°	885.2	888.9	898.7	906.2	911.4
52.5°	834.2	837.2	846.9	855.9	860.4
55°	778.0	780.2	790.0	799.0	804.2
57.5°	714.3	721.0	728.5	736.8	742.8
60°	649.8	655.1	664.1	672.3	678.3
62.5°	580.9	590.6	601.1	605.6	610.8
65°	514.9	522.4	533.6	536.6	542.6
67.5°	449.7	457.9	467.7	469.9	473.7
70°	387.5	394.2	401.7	404.7	406.2
72.5°	329.0	334.3	339.5	341.8	341.8
75°	275.1	279.6	282.6	283.3	282.6
77.5°	226.4	227.1	233.8	229.3	228.6
80°	178.4	178.4	180.6	180.6	179.1
82.5°	131.9	134.9	134.2	133.4	131.2
85°	86.9	90.7	89.9	88.4	86.9
87.5°	42.7	47.2	45.0	47.2	43.5
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	16.9	18.6	17.3	18.9	19.2	17.1	18.8	17.4	19.1	19.4
	3H	18.6	20.1	19.0	20.5	20.8	18.8	20.4	19.2	20.7	21.0
	4H	19.2	20.7	19.6	21.0	21.4	19.4	20.9	19.8	21.3	21.6
	6H	19.8	21.1	20.2	21.5	21.9	20.0	21.3	20.4	21.7	22.1
	8H	20.0	21.3	20.4	21.7	22.0	20.1	21.4	20.6	21.8	22.2
	12H	20.1	21.4	20.5	21.7	22.2	20.3	21.5	20.7	21.9	22.3
4H	2H	17.5	19.0	17.9	19.4	19.7	17.7	19.1	18.1	19.5	19.9
	3H	19.5	20.7	19.9	21.1	21.5	19.6	20.9	20.0	21.3	21.7
	4H	20.2	21.4	20.7	21.8	22.2	20.4	21.5	20.8	21.9	22.4
	6H	20.9	21.9	21.4	22.3	22.8	21.1	22.0	21.5	22.5	22.9
	8H	21.2	22.1	21.6	22.5	23.0	21.3	22.2	21.8	22.7	23.1
	12H	21.4	22.2	21.9	22.7	23.1	21.5	22.3	22.0	22.8	23.3
8H	4H	20.6	21.5	21.0	21.9	22.4	20.7	21.6	21.2	22.1	22.5
	6H	21.4	22.2	21.9	22.6	23.1	21.5	22.3	22.0	22.8	23.2
	8H	21.7	22.4	22.2	22.9	23.4	21.8	22.5	22.3	23.0	23.5
	12H	22.0	22.7	22.5	23.1	23.7	22.1	22.7	22.6	23.2	23.8
12H	4H	20.6	21.5	21.1	21.9	22.4	20.8	21.6	21.2	22.1	22.5
	6H	21.5	22.2	22.0	22.6	23.2	21.6	22.3	22.1	22.7	23.3
	8H	21.9	22.5	22.4	23.0	23.5	22.0	22.6	22.5	23.1	23.6















(END OF REPORT)