

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: P1526828

Luminaire Tested: 22CGTX-45HE-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-45HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

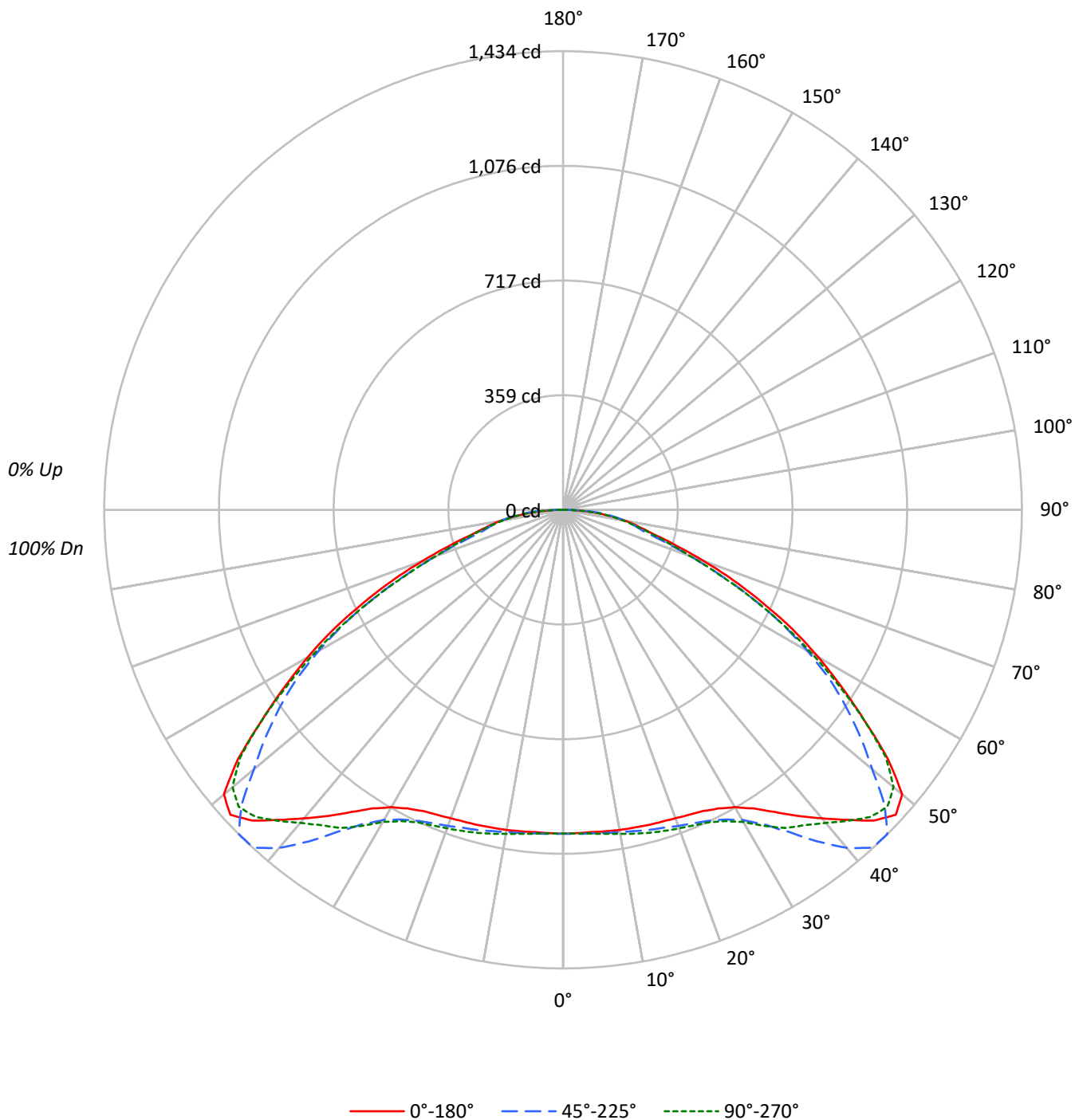
Lumens per Lamp: N/A
Luminaire Lumens: 4791.2 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			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	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69	67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57	55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48	46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41	38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35	33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30	28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26	24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23	21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2725	2725	2725
5°	2733	2743	2745
10°	2777	2797	2811
15°	2844	2887	2912
20°	2939	3011	3035
25°	3085	3187	3200
30°	3335	3478	3501
35°	3787	4037	3990
40°	4422	4848	4489
45°	5228	5455	5169
50°	5793	5277	5645
55°	5400	5082	5396
60°	4958	4744	4831
65°	4385	4138	4132
70°	3674	3311	3318
75°	3020	2709	2926
80°	3071	3058	2930
85°	3017	3631	3072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5793 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	2.0
10°-20°	293.7	6.1
20°-30°	496.5	10.4
30°-40°	763.4	15.9
40°-50°	1061.0	22.1
50°-60°	998.7	20.8
60°-70°	659.6	13.8
70°-80°	306.5	6.4
80°-90°	114.7	2.4
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°	887.3	18.5
0°-40°	1650.7	34.5
0°-60°	3710.4	77.4
0°-90°	4791.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4791.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1012	1014	1015	1017	1016	97
15°	1021	1025	1036	1043	1045	289
25°	1039	1052	1073	1080	1078	483
35°	1153	1194	1229	1224	1214	730
45°	1374	1423	1434	1399	1358	1051
55°	1151	1135	1083	1120	1150	1031
65°	689	682	650	660	649	684
75°	290	280	261	269	281	325
85°	98	112	118	114	100	107
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.6	1012.6	1012.6	1012.6	1012.6
2.5°	1011.7	1013.6	1014.5	1015.4	1012.6
5°	1011.7	1014.5	1015.4	1017.2	1016.3
7.5°	1013.6	1016.3	1019.0	1020.8	1021.7
10°	1016.3	1019.0	1023.5	1028.9	1028.9
12.5°	1018.1	1022.6	1028.9	1036.2	1037.1
15°	1020.8	1025.3	1036.2	1043.4	1045.2
17.5°	1022.6	1029.8	1042.5	1051.6	1052.5
20°	1026.2	1034.4	1051.6	1059.7	1059.7
22.5°	1031.7	1042.5	1060.6	1067.8	1067.8
25°	1038.9	1052.5	1073.3	1079.6	1077.8
27.5°	1052.5	1068.8	1091.4	1098.6	1096.8
30°	1073.3	1095.0	1119.4	1128.5	1126.7
32.5°	1106.8	1133.9	1164.7	1172.8	1171.9
35°	1152.9	1193.6	1228.9	1224.4	1214.5
37.5°	1206.3	1266.9	1306.8	1264.2	1242.5
40°	1258.8	1341.1	1380.1	1311.3	1277.8
42.5°	1314.9	1399.1	1432.5	1365.6	1318.5
45°	1373.7	1422.6	1433.5	1399.1	1358.3
47.5°	1410.8	1385.5	1362.0	1382.8	1374.6
50°	1383.7	1298.6	1260.6	1300.4	1348.4
52.5°	1280.5	1218.1	1173.7	1210.8	1271.5
55°	1151.1	1134.8	1083.2	1120.3	1150.2
57.5°	1032.6	1045.2	989.1	1017.2	1021.7
60°	921.2	930.3	881.4	905.0	897.7
62.5°	808.1	809.0	771.0	784.6	773.7
65°	688.7	682.3	649.8	659.7	648.9
67.5°	576.5	562.0	531.2	535.7	525.8
70°	467.0	449.8	420.8	427.1	421.7
72.5°	369.2	355.6	330.3	338.5	343.9
75°	290.5	279.6	260.6	268.8	281.4
77.5°	240.7	227.1	229.0	223.5	232.6
80°	198.2	190.0	197.3	191.9	189.1
82.5°	147.5	155.7	158.4	161.1	147.5
85°	97.7	112.2	117.6	114.0	99.5
87.5°	48.0	60.6	62.4	61.5	51.6
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	18.7	20.5	19.1	20.8	21.1	18.5	20.3	18.9	20.6	20.9
	3H	20.0	21.6	20.4	21.9	22.3	19.7	21.3	20.1	21.6	22.0
	4H	20.4	21.9	20.8	22.2	22.6	20.1	21.6	20.5	21.9	22.3
	6H	20.7	22.1	21.1	22.5	22.9	20.4	21.8	20.9	22.2	22.6
	8H	20.9	22.2	21.3	22.6	23.0	20.6	21.9	21.0	22.3	22.7
	12H	21.0	22.3	21.4	22.6	23.1	20.7	22.0	21.2	22.4	22.8
4H	2H	19.2	20.7	19.6	21.0	21.4	19.0	20.5	19.4	20.9	21.2
	3H	20.6	21.9	21.0	22.2	22.6	20.4	21.6	20.8	22.0	22.4
	4H	21.1	22.2	21.5	22.6	23.1	20.8	22.0	21.3	22.4	22.8
	6H	21.6	22.6	22.0	23.0	23.5	21.3	22.3	21.8	22.8	23.2
	8H	21.8	22.7	22.2	23.2	23.6	21.6	22.5	22.0	22.9	23.4
	12H	22.0	22.8	22.5	23.3	23.8	21.8	22.6	22.3	23.1	23.6
8H	4H	21.3	22.2	21.7	22.6	23.1	21.1	22.0	21.5	22.4	22.9
	6H	21.9	22.7	22.4	23.2	23.6	21.7	22.5	22.2	22.9	23.4
	8H	22.2	22.9	22.7	23.4	23.9	22.0	22.7	22.5	23.2	23.7
	12H	22.5	23.1	23.0	23.6	24.2	22.3	23.0	22.8	23.5	24.0
12H	4H	21.3	22.2	21.8	22.6	23.1	21.1	21.9	21.6	22.4	22.9
	6H	22.0	22.7	22.5	23.1	23.7	21.8	22.5	22.3	22.9	23.5
	8H	22.3	23.0	22.8	23.4	24.0	22.2	22.8	22.7	23.3	23.8













(END OF REPORT)