

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: P1526825

Luminaire Tested: 22CGTX-45HE-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526825
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

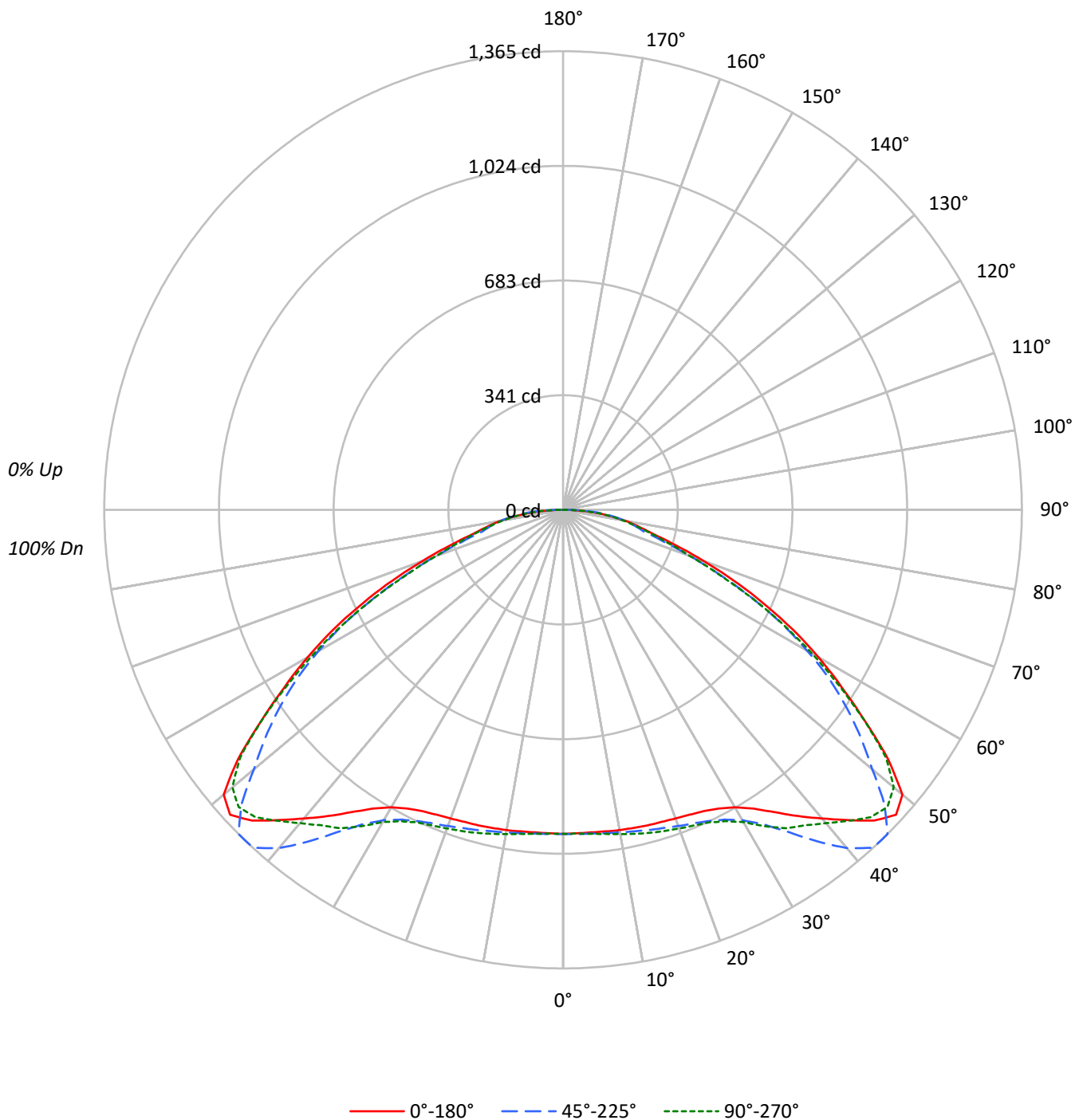
Lumens per Lamp: N/A
Luminaire Lumens: 4563.0 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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°	2595	2595	2595
5°	2603	2612	2615
10°	2645	2664	2678
15°	2708	2749	2773
20°	2799	2868	2890
25°	2938	3035	3048
30°	3176	3313	3334
35°	3607	3845	3800
40°	4212	4617	4275
45°	4979	5195	4923
50°	5517	5026	5376
55°	5143	4840	5139
60°	4722	4518	4602
65°	4176	3940	3935
70°	3499	3153	3160
75°	2877	2581	2786
80°	2924	2912	2791
85°	2875	3458	2927

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5517 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	2.0
10°-20°	279.7	6.1
20°-30°	472.8	10.4
30°-40°	727.1	15.9
40°-50°	1010.4	22.1
50°-60°	951.2	20.8
60°-70°	628.2	13.8
70°-80°	291.9	6.4
80°-90°	109.2	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°	845.1	18.5
0°-40°	1572.1	34.5
0°-60°	3533.7	77.4
0°-90°	4563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	964	966	967	969	968	92
15°	972	976	987	994	996	276
25°	989	1002	1022	1028	1026	460
35°	1098	1137	1170	1166	1157	695
45°	1308	1355	1365	1332	1294	1001
55°	1096	1081	1032	1067	1095	982
65°	656	650	619	628	618	651
75°	277	266	248	256	268	310
85°	93	107	112	109	95	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.4	964.4	964.4	964.4	964.4
2.5°	963.6	965.3	966.1	967.0	964.4
5°	963.6	966.1	967.0	968.7	967.9
7.5°	965.3	967.9	970.5	972.2	973.0
10°	967.9	970.5	974.8	979.9	979.9
12.5°	969.6	973.9	979.9	986.8	987.7
15°	972.2	976.5	986.8	993.7	995.5
17.5°	973.9	980.8	992.9	1001.5	1002.3
20°	977.4	985.1	1001.5	1009.2	1009.2
22.5°	982.5	992.9	1010.1	1017.0	1017.0
25°	989.4	1002.3	1022.2	1028.2	1026.5
27.5°	1002.3	1017.9	1039.4	1046.3	1044.6
30°	1022.2	1042.9	1066.1	1074.7	1073.0
32.5°	1054.1	1079.9	1109.2	1117.0	1116.1
35°	1098.0	1136.8	1170.4	1166.1	1156.6
37.5°	1148.9	1206.6	1244.5	1204.0	1183.3
40°	1198.9	1277.3	1314.3	1248.8	1217.0
42.5°	1252.3	1332.4	1364.3	1300.6	1255.7
45°	1308.3	1354.9	1365.2	1332.4	1293.7
47.5°	1343.6	1319.5	1297.1	1316.9	1309.2
50°	1317.8	1236.8	1200.6	1238.5	1284.2
52.5°	1219.5	1160.1	1117.8	1153.2	1210.9
55°	1096.3	1080.8	1031.7	1067.0	1095.4
57.5°	983.4	995.5	942.0	968.7	973.0
60°	877.4	886.0	839.5	861.9	855.0
62.5°	769.6	770.5	734.3	747.2	736.9
65°	655.9	649.8	618.8	628.3	618.0
67.5°	549.0	535.2	505.9	510.2	500.7
70°	444.7	428.3	400.8	406.8	401.6
72.5°	351.6	338.7	314.6	322.3	327.5
75°	276.7	266.3	248.2	256.0	268.0
77.5°	229.3	216.3	218.1	212.9	221.5
80°	188.7	181.0	187.9	182.7	180.1
82.5°	140.5	148.2	150.8	153.4	140.5
85°	93.1	106.9	112.0	108.6	94.8
87.5°	45.7	57.7	59.5	58.6	49.1
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	18.5	20.3	18.9	20.6	20.9	18.4	20.1	18.7	20.4	20.7
	3H	19.8	21.4	20.2	21.7	22.1	19.5	21.1	19.9	21.4	21.8
	4H	20.2	21.7	20.6	22.0	22.4	19.9	21.4	20.3	21.8	22.1
	6H	20.5	21.9	21.0	22.3	22.7	20.3	21.7	20.7	22.0	22.4
	8H	20.7	22.0	21.1	22.4	22.8	20.4	21.8	20.9	22.1	22.5
	12H	20.8	22.1	21.2	22.5	22.9	20.6	21.8	21.0	22.2	22.7
4H	2H	19.0	20.5	19.4	20.8	21.2	18.8	20.3	19.2	20.7	21.1
	3H	20.4	21.7	20.8	22.1	22.5	20.2	21.4	20.6	21.8	22.2
	4H	20.9	22.1	21.4	22.5	22.9	20.7	21.8	21.1	22.2	22.7
	6H	21.4	22.4	21.9	22.8	23.3	21.2	22.2	21.6	22.6	23.0
	8H	21.6	22.5	22.1	23.0	23.5	21.4	22.3	21.9	22.8	23.2
	12H	21.8	22.6	22.3	23.1	23.6	21.6	22.4	22.1	22.9	23.4
8H	4H	21.1	22.0	21.6	22.5	22.9	20.9	21.8	21.3	22.3	22.7
	6H	21.7	22.5	22.2	23.0	23.5	21.5	22.3	22.0	22.8	23.3
	8H	22.0	22.7	22.5	23.2	23.7	21.9	22.6	22.4	23.1	23.5
	12H	22.3	22.9	22.8	23.4	24.0	22.2	22.8	22.7	23.3	23.8
12H	4H	21.1	22.0	21.6	22.5	22.9	20.9	21.8	21.4	22.2	22.7
	6H	21.8	22.5	22.3	23.0	23.5	21.6	22.3	22.1	22.8	23.3
	8H	22.2	22.8	22.7	23.3	23.8	22.0	22.6	22.5	23.1	23.7















(END OF REPORT)