

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: P1526826

Luminaire Tested: 22CGTX-45HE-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526826
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

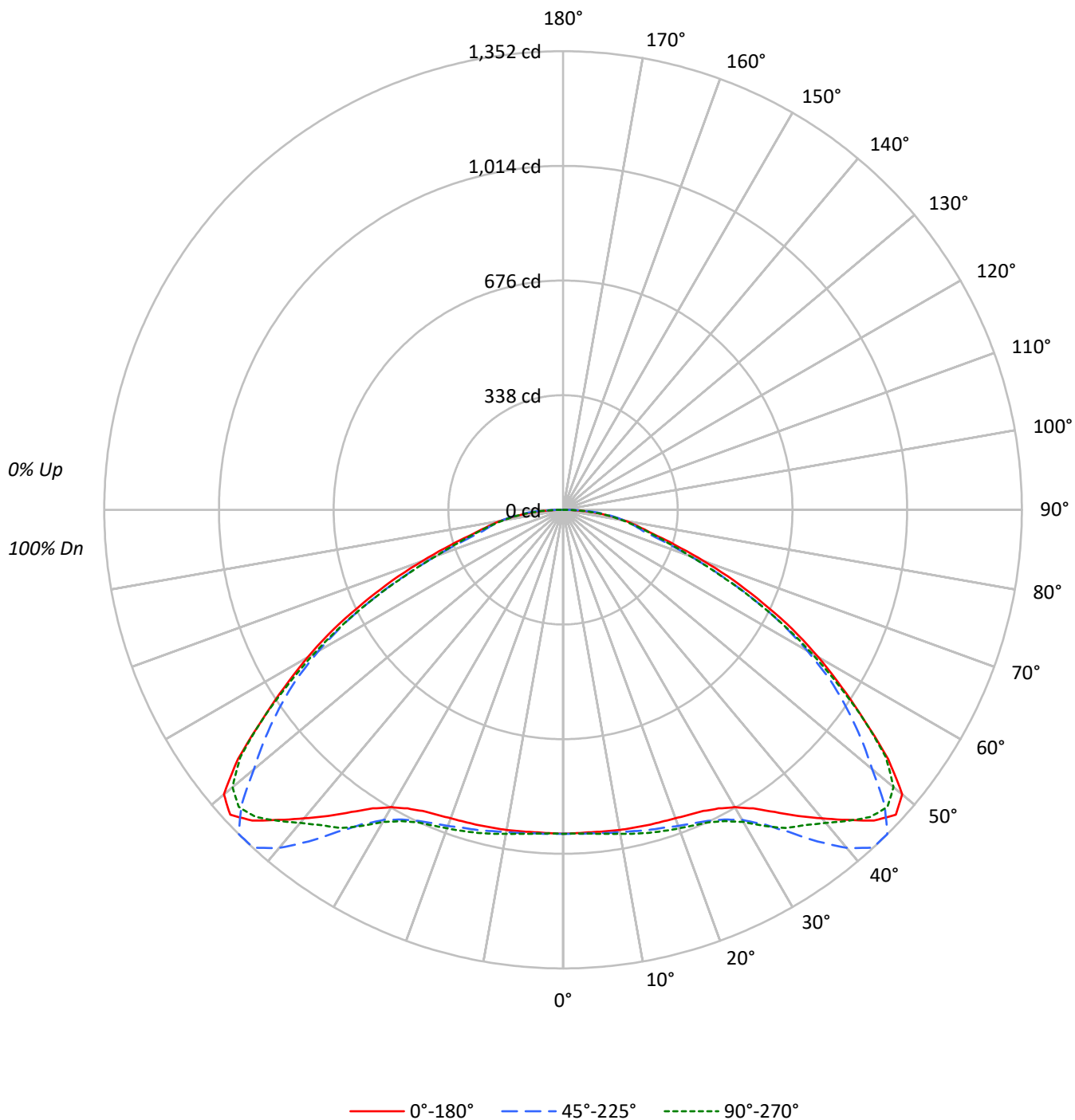
Lumens per Lamp: N/A
Luminaire Lumens: 4517.4 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2569	2569	2569
5°	2577	2586	2588
10°	2618	2637	2651
15°	2681	2722	2746
20°	2771	2839	2861
25°	2908	3004	3017
30°	3144	3280	3301
35°	3571	3806	3762
40°	4169	4571	4232
45°	4929	5143	4874
50°	5462	4976	5322
55°	5092	4792	5088
60°	4675	4473	4555
65°	4134	3901	3896
70°	3464	3122	3128
75°	2848	2555	2759
80°	2896	2882	2763
85°	2847	3424	2899

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5462 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	2.0
10°-20°	276.9	6.1
20°-30°	468.1	10.4
30°-40°	719.8	15.9
40°-50°	1000.3	22.1
50°-60°	941.6	20.8
60°-70°	621.9	13.8
70°-80°	289.0	6.4
80°-90°	108.2	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°	836.6	18.5
0°-40°	1556.4	34.5
0°-60°	3498.4	77.4
0°-90°	4517.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4517.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	954	956	957	959	958	91
15°	962	967	977	984	986	273
25°	980	992	1012	1018	1016	456
35°	1087	1125	1159	1154	1145	688
45°	1295	1341	1352	1319	1281	991
55°	1085	1070	1021	1056	1084	972
65°	649	643	613	622	612	645
75°	274	264	246	253	265	307
85°	92	106	111	108	94	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
2.5°	953.9	955.6	956.5	957.3	954.8
5°	953.9	956.5	957.3	959.0	958.2
7.5°	955.6	958.2	960.8	962.5	963.3
10°	958.2	960.8	965.0	970.1	970.1
12.5°	959.9	964.2	970.1	977.0	977.8
15°	962.5	966.7	977.0	983.8	985.5
17.5°	964.2	971.0	982.9	991.5	992.3
20°	967.6	975.3	991.5	999.2	999.2
22.5°	972.7	982.9	1000.0	1006.8	1006.8
25°	979.5	992.3	1011.9	1017.9	1016.2
27.5°	992.3	1007.7	1029.0	1035.8	1034.1
30°	1011.9	1032.4	1055.5	1064.0	1062.3
32.5°	1043.5	1069.1	1098.1	1105.8	1105.0
35°	1087.0	1125.4	1158.7	1154.4	1145.1
37.5°	1137.4	1194.5	1232.1	1192.0	1171.5
40°	1186.9	1264.5	1301.2	1236.4	1204.8
42.5°	1239.8	1319.1	1350.7	1287.5	1243.2
45°	1295.2	1341.3	1351.5	1319.1	1280.7
47.5°	1330.2	1306.3	1284.1	1303.8	1296.1
50°	1304.6	1224.4	1188.6	1226.1	1271.3
52.5°	1207.3	1148.5	1106.7	1141.6	1198.8
55°	1085.3	1070.0	1021.3	1056.3	1084.5
57.5°	973.6	985.5	932.6	959.0	963.3
60°	868.6	877.1	831.1	853.2	846.4
62.5°	761.9	762.8	727.0	739.8	729.5
65°	649.3	643.3	612.6	622.0	611.8
67.5°	543.5	529.9	500.9	505.1	495.7
70°	440.3	424.1	396.8	402.7	397.6
72.5°	348.1	335.3	311.4	319.1	324.2
75°	273.9	263.7	245.7	253.4	265.4
77.5°	227.0	214.2	215.9	210.8	219.3
80°	186.9	179.2	186.0	180.9	178.3
82.5°	139.1	146.8	149.3	151.9	139.1
85°	92.2	105.8	110.9	107.5	93.9
87.5°	45.2	57.2	58.9	58.0	48.6
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	18.5	20.3	18.9	20.6	20.9	18.3	20.1	18.7	20.4	20.7
	3H	19.8	21.4	20.2	21.7	22.0	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	21.7	22.1
	6H	20.5	21.9	20.9	22.3	22.7	20.2	21.6	20.6	22.0	22.4
	8H	20.7	22.0	21.1	22.4	22.8	20.4	21.7	20.8	22.1	22.5
	12H	20.8	22.1	21.2	22.4	22.9	20.5	21.8	21.0	22.2	22.6
4H	2H	19.0	20.4	19.3	20.8	21.2	18.8	20.3	19.2	20.7	21.0
	3H	20.4	21.6	20.8	22.0	22.4	20.2	21.4	20.6	21.8	22.2
	4H	20.9	22.0	21.3	22.4	22.9	20.6	21.8	21.1	22.2	22.6
	6H	21.4	22.4	21.8	22.8	23.3	21.1	22.1	21.6	22.6	23.0
	8H	21.6	22.5	22.0	23.0	23.4	21.4	22.3	21.8	22.7	23.2
	12H	21.8	22.6	22.2	23.1	23.6	21.6	22.4	22.0	22.9	23.3
8H	4H	21.1	22.0	21.5	22.4	22.9	20.8	21.8	21.3	22.2	22.7
	6H	21.7	22.5	22.2	22.9	23.4	21.5	22.3	22.0	22.7	23.2
	8H	22.0	22.7	22.5	23.2	23.7	21.8	22.5	22.3	23.0	23.5
	12H	22.3	22.9	22.8	23.4	24.0	22.1	22.8	22.6	23.3	23.8
12H	4H	21.1	21.9	21.6	22.4	22.9	20.9	21.7	21.4	22.2	22.7
	6H	21.8	22.5	22.3	22.9	23.5	21.6	22.3	22.1	22.7	23.3
	8H	22.1	22.8	22.6	23.2	23.8	22.0	22.6	22.5	23.1	23.6















(END OF REPORT)