

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: P1526835

Luminaire Tested: 22CGTX-50HE-A125-L850

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526835
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-50HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

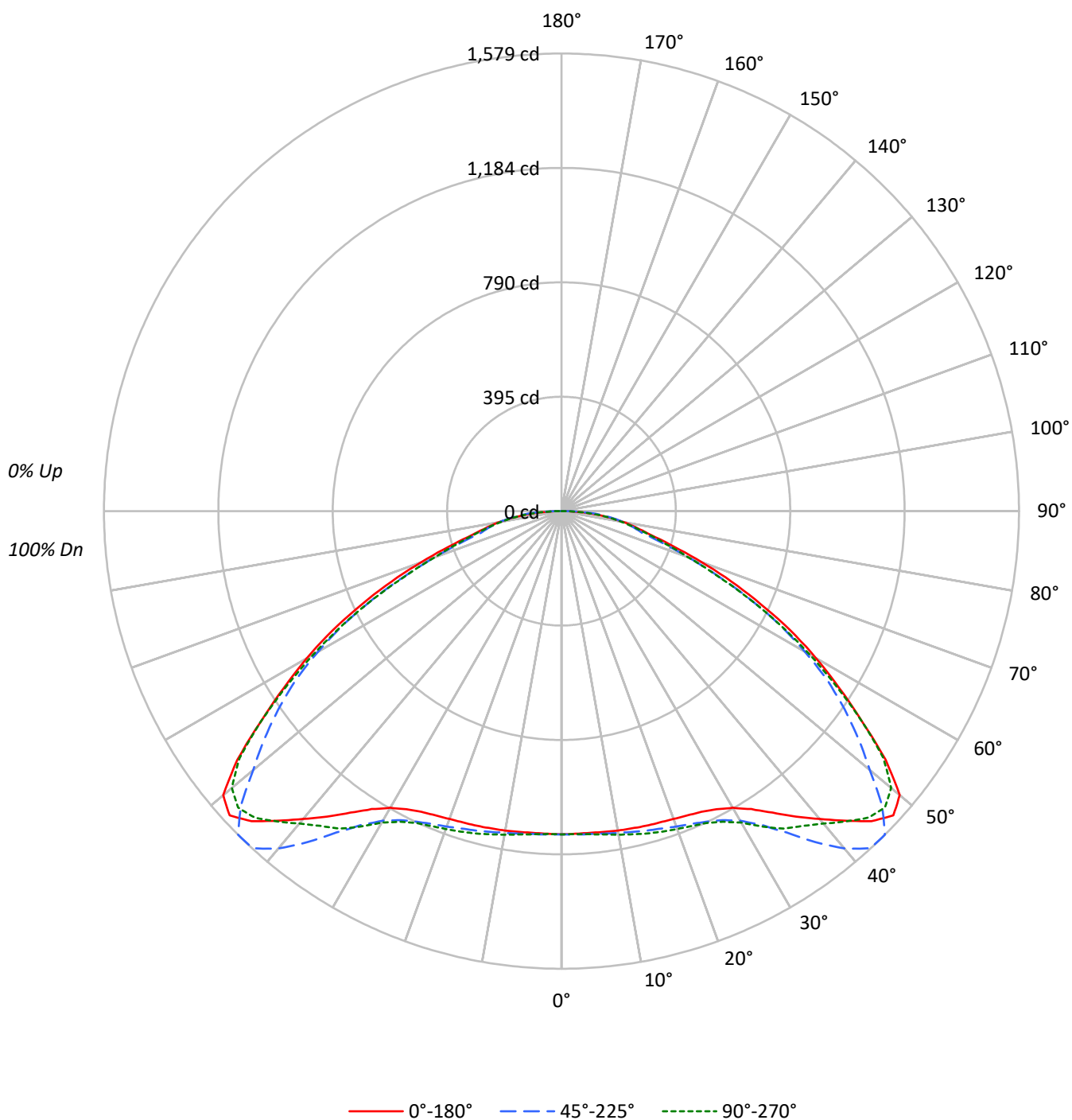
Lumens per Lamp: N/A
Luminaire Lumens: 5276.5 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	3001	3001	3001
5°	3010	3021	3023
10°	3058	3080	3096
15°	3132	3179	3207
20°	3237	3316	3342
25°	3397	3510	3524
30°	3673	3831	3856
35°	4171	4446	4394
40°	4870	5339	4943
45°	5758	6008	5693
50°	6379	5812	6217
55°	5948	5597	5943
60°	5461	5224	5321
65°	4829	4557	4550
70°	4046	3646	3654
75°	3326	2984	3222
80°	3383	3367	3228
85°	3322	4001	3384

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6379 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	2.0
10°-20°	323.4	6.1
20°-30°	546.8	10.4
30°-40°	840.7	15.9
40°-50°	1168.4	22.1
50°-60°	1099.9	20.8
60°-70°	726.4	13.8
70°-80°	337.6	6.4
80°-90°	126.3	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°	977.2	18.5
0°-40°	1817.9	34.5
0°-60°	4086.2	77.4
0°-90°	5276.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5276.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1114	1117	1118	1120	1119	107
15°	1124	1129	1141	1149	1151	319
25°	1144	1159	1182	1189	1187	532
35°	1270	1314	1353	1348	1338	804
45°	1513	1567	1579	1541	1496	1158
55°	1268	1250	1193	1234	1267	1136
65°	758	752	716	726	715	753
75°	320	308	287	296	310	358
85°	108	124	130	126	110	118
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1115.2	1115.2	1115.2	1115.2	1115.2
2.5°	1114.2	1116.2	1117.2	1118.2	1115.2
5°	1114.2	1117.2	1118.2	1120.2	1119.2
7.5°	1116.2	1119.2	1122.2	1124.2	1125.2
10°	1119.2	1122.2	1127.2	1133.2	1133.2
12.5°	1121.2	1126.2	1133.2	1141.1	1142.1
15°	1124.2	1129.2	1141.1	1149.1	1151.1
17.5°	1126.2	1134.2	1148.1	1158.1	1159.1
20°	1130.2	1139.1	1158.1	1167.0	1167.0
22.5°	1136.1	1148.1	1168.0	1176.0	1176.0
25°	1144.1	1159.1	1182.0	1189.0	1187.0
27.5°	1159.1	1177.0	1201.9	1209.9	1207.9
30°	1182.0	1205.9	1232.8	1242.8	1240.8
32.5°	1218.9	1248.8	1282.7	1291.6	1290.6
35°	1269.7	1314.5	1353.4	1348.4	1337.5
37.5°	1328.5	1395.3	1439.1	1392.3	1368.4
40°	1386.3	1477.0	1519.8	1444.1	1407.2
42.5°	1448.1	1540.8	1577.7	1503.9	1452.1
45°	1512.9	1566.7	1578.6	1540.8	1495.9
47.5°	1553.7	1525.8	1499.9	1522.8	1513.9
50°	1523.8	1430.2	1388.3	1432.1	1485.0
52.5°	1410.2	1341.5	1292.6	1333.5	1400.3
55°	1267.7	1249.8	1193.0	1233.8	1266.7
57.5°	1137.1	1151.1	1089.3	1120.2	1125.2
60°	1014.6	1024.5	970.7	996.6	988.6
62.5°	890.0	891.0	849.1	864.1	852.1
65°	758.4	751.5	715.6	726.5	714.6
67.5°	634.8	618.9	585.0	590.0	579.0
70°	514.3	495.3	463.4	470.4	464.4
72.5°	406.6	391.7	363.8	372.7	378.7
75°	319.9	308.0	287.0	296.0	309.9
77.5°	265.1	250.2	252.1	246.2	256.1
80°	218.3	209.3	217.3	211.3	208.3
82.5°	162.4	171.4	174.4	177.4	162.4
85°	107.6	123.6	129.6	125.6	109.6
87.5°	52.8	66.8	68.8	67.8	56.8
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	19.0	20.8	19.4	21.1	21.4	18.9	20.6	19.2	20.9	21.3
	3H	20.3	21.9	20.7	22.2	22.6	20.0	21.6	20.4	22.0	22.3
	4H	20.7	22.2	21.1	22.5	22.9	20.4	21.9	20.8	22.3	22.6
	6H	21.1	22.4	21.5	22.8	23.2	20.8	22.2	21.2	22.5	22.9
	8H	21.2	22.5	21.6	22.9	23.3	20.9	22.3	21.4	22.7	23.0
	12H	21.3	22.6	21.7	23.0	23.4	21.1	22.3	21.5	22.7	23.2
4H	2H	19.5	21.0	19.9	21.3	21.7	19.3	20.8	19.7	21.2	21.6
	3H	20.9	22.2	21.3	22.6	23.0	20.7	21.9	21.1	22.3	22.7
	4H	21.4	22.6	21.9	23.0	23.4	21.2	22.3	21.6	22.7	23.2
	6H	21.9	22.9	22.4	23.3	23.8	21.7	22.7	22.1	23.1	23.6
	8H	22.1	23.1	22.6	23.5	24.0	21.9	22.8	22.4	23.3	23.7
	12H	22.3	23.1	22.8	23.6	24.1	22.1	22.9	22.6	23.4	23.9
8H	4H	21.6	22.5	22.1	23.0	23.4	21.4	22.3	21.8	22.8	23.2
	6H	22.2	23.0	22.7	23.5	24.0	22.0	22.8	22.5	23.3	23.8
	8H	22.5	23.2	23.0	23.7	24.2	22.4	23.1	22.9	23.6	24.0
	12H	22.8	23.5	23.3	23.9	24.5	22.7	23.3	23.2	23.8	24.3
12H	4H	21.6	22.5	22.1	23.0	23.4	21.4	22.3	21.9	22.7	23.2
	6H	22.3	23.0	22.8	23.5	24.0	22.1	22.8	22.6	23.3	23.8
	8H	22.7	23.3	23.2	23.8	24.3	22.5	23.1	23.0	23.6	24.2















(END OF REPORT)