

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: P1526914

Luminaire Tested: 24CGTX-55HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-55HE-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

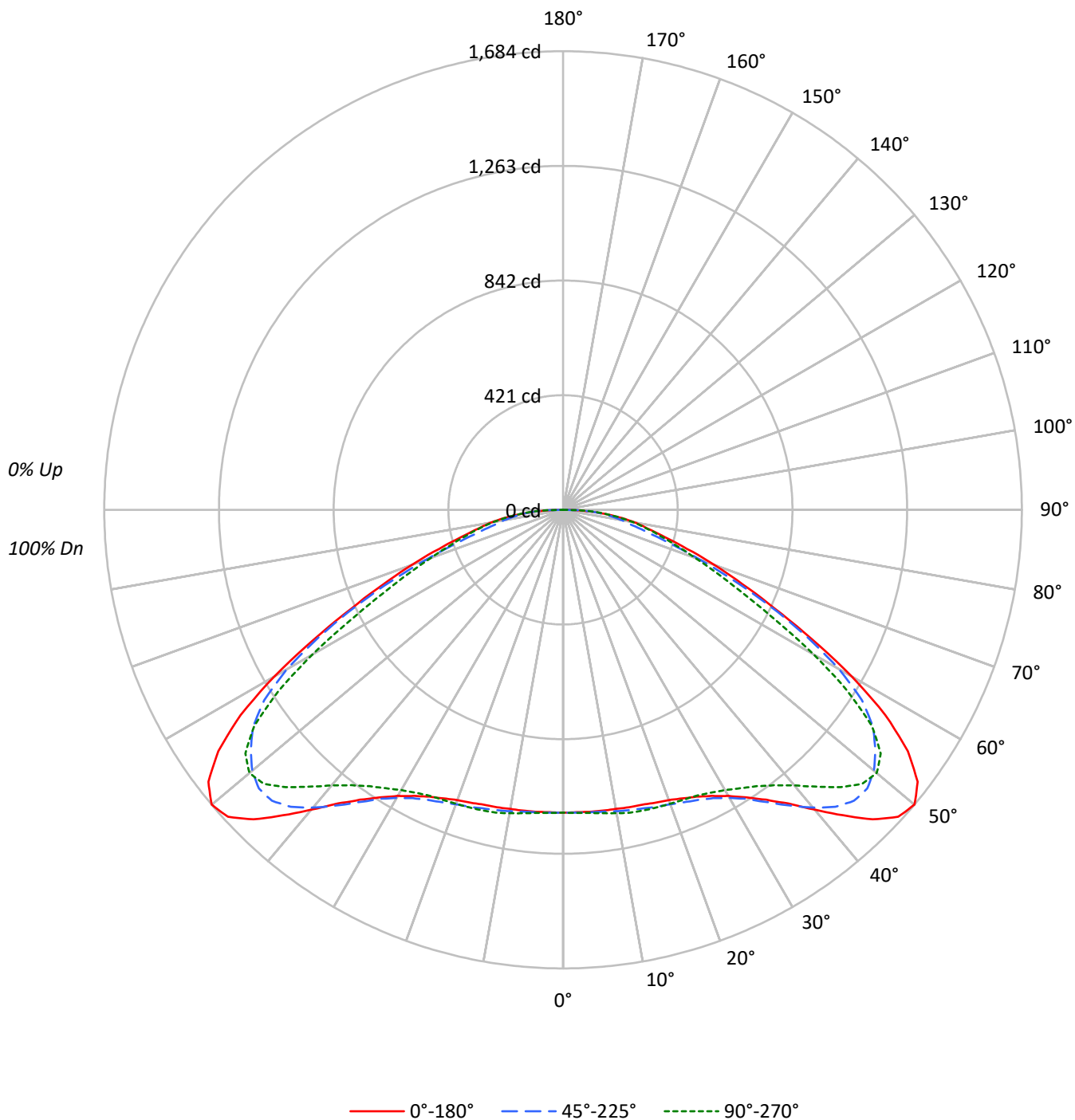
Lumens per Lamp: N/A
Luminaire Lumens: 5551.1 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.3
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	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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82			
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66			
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54			
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44			
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37			
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31			
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27			
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23			
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20			
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1496	1496	1496
5°	1503	1506	1508
10°	1523	1535	1546
15°	1561	1581	1592
20°	1624	1647	1645
25°	1725	1745	1719
30°	1884	1898	1846
35°	2134	2153	2035
40°	2524	2507	2320
45°	3058	2875	2740
50°	3525	3118	3147
55°	3623	3258	3247
60°	3292	3148	2858
65°	2723	2674	2332
70°	2325	2095	2027
75°	2013	1669	1919
80°	2085	1691	2018
85°	2107	2033	2240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 3626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	1.9
10°-20°	321.9	5.8
20°-30°	543.7	9.8
30°-40°	818.4	14.7
40°-50°	1163.8	21.0
50°-60°	1249.0	22.5
60°-70°	813.9	14.7
70°-80°	391.4	7.1
80°-90°	142.4	2.6
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°	972.2	17.5
0°-40°	1790.7	32.3
0°-60°	4203.4	75.7
0°-90°	5551.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5551.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1113	1114	1115	1119	1117	106
15°	1121	1126	1135	1142	1143	319
25°	1162	1173	1176	1165	1158	541
35°	1299	1324	1311	1267	1239	825
45°	1607	1568	1511	1472	1440	1234
55°	1544	1505	1389	1348	1384	1351
65°	855	849	840	750	732	866
75°	387	366	321	365	369	425
85°	136	128	132	136	145	149
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1112.0	1112.0	1112.0	1112.0	1112.0
2.5°	1111.1	1112.0	1113.0	1114.0	1114.0
5°	1113.0	1114.0	1114.9	1118.8	1116.8
7.5°	1114.0	1114.9	1117.8	1123.6	1123.6
10°	1114.9	1117.8	1123.6	1129.3	1131.3
12.5°	1118.8	1121.6	1129.3	1137.0	1138.9
15°	1120.7	1126.4	1135.1	1141.8	1142.8
17.5°	1127.4	1133.2	1142.8	1145.7	1145.7
20°	1134.1	1141.8	1150.5	1150.5	1148.6
22.5°	1146.6	1155.3	1162.0	1156.2	1152.4
25°	1162.0	1172.6	1175.5	1164.9	1158.2
27.5°	1184.1	1197.6	1193.7	1179.3	1170.7
30°	1212.9	1230.2	1221.6	1200.5	1188.0
32.5°	1251.4	1272.5	1258.1	1231.2	1212.0
35°	1299.4	1324.4	1311.0	1266.8	1238.9
37.5°	1359.0	1385.0	1368.7	1311.9	1274.5
40°	1436.9	1450.3	1427.3	1365.8	1320.6
42.5°	1521.5	1514.7	1479.2	1422.5	1378.3
45°	1607.0	1567.6	1510.9	1471.5	1439.8
47.5°	1668.5	1595.5	1514.7	1494.6	1488.8
50°	1683.9	1589.7	1489.8	1482.1	1503.2
52.5°	1640.7	1559.0	1444.6	1431.1	1469.6
55°	1544.5	1505.1	1388.8	1348.5	1384.0
57.5°	1403.3	1400.4	1300.4	1228.3	1237.9
60°	1223.5	1235.1	1169.7	1067.8	1062.1
62.5°	1029.4	1036.1	1007.3	901.5	881.4
65°	855.4	848.7	840.0	749.7	732.4
67.5°	712.2	692.0	678.6	623.8	615.1
70°	591.1	559.4	532.5	523.8	515.2
72.5°	478.6	455.6	412.3	436.4	435.4
75°	387.3	366.2	321.0	365.2	369.1
77.5°	317.2	302.8	259.5	299.9	312.4
80°	269.1	239.3	218.2	244.1	260.5
82.5°	205.7	182.6	177.8	188.4	203.8
85°	136.5	127.8	131.7	135.5	145.1
87.5°	69.2	74.0	79.8	86.5	91.3
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	17.8	19.6	18.2	19.9	20.2	16.9	18.7	17.2	19.0	19.3
	3H	18.9	20.5	19.3	20.8	21.2	18.0	19.6	18.4	20.0	20.3
	4H	19.3	20.8	19.7	21.2	21.5	18.5	20.0	18.9	20.4	20.7
	6H	19.6	21.1	20.1	21.4	21.8	18.9	20.3	19.3	20.7	21.1
	8H	19.8	21.2	20.2	21.6	21.9	19.1	20.5	19.5	20.9	21.3
	12H	19.9	21.2	20.4	21.6	22.0	19.3	20.6	19.7	21.0	21.4
4H	2H	18.2	19.7	18.6	20.1	20.4	17.4	19.0	17.8	19.3	19.7
	3H	19.5	20.8	19.9	21.2	21.6	18.8	20.0	19.2	20.4	20.8
	4H	20.0	21.1	20.4	21.6	22.0	19.3	20.5	19.8	20.9	21.4
	6H	20.5	21.5	20.9	21.9	22.4	19.9	20.9	20.4	21.4	21.8
	8H	20.7	21.7	21.2	22.1	22.6	20.2	21.1	20.6	21.6	22.0
	12H	20.9	21.8	21.4	22.2	22.7	20.4	21.3	20.9	21.8	22.2
8H	4H	20.2	21.1	20.6	21.5	22.0	19.6	20.5	20.0	21.0	21.4
	6H	20.8	21.6	21.2	22.0	22.5	20.3	21.1	20.8	21.5	22.0
	8H	21.0	21.8	21.6	22.3	22.8	20.6	21.3	21.1	21.8	22.3
	12H	21.3	22.0	21.8	22.5	23.0	21.0	21.6	21.5	22.1	22.7
12H	4H	20.2	21.0	20.7	21.5	22.0	19.6	20.5	20.1	20.9	21.4
	6H	20.8	21.5	21.3	22.0	22.5	20.3	21.1	20.8	21.5	22.1
	8H	21.2	21.8	21.7	22.3	22.8	20.7	21.4	21.2	21.9	22.4















(END OF REPORT)