

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: P1526915

Luminaire Tested: 24CGTX-55HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526915
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

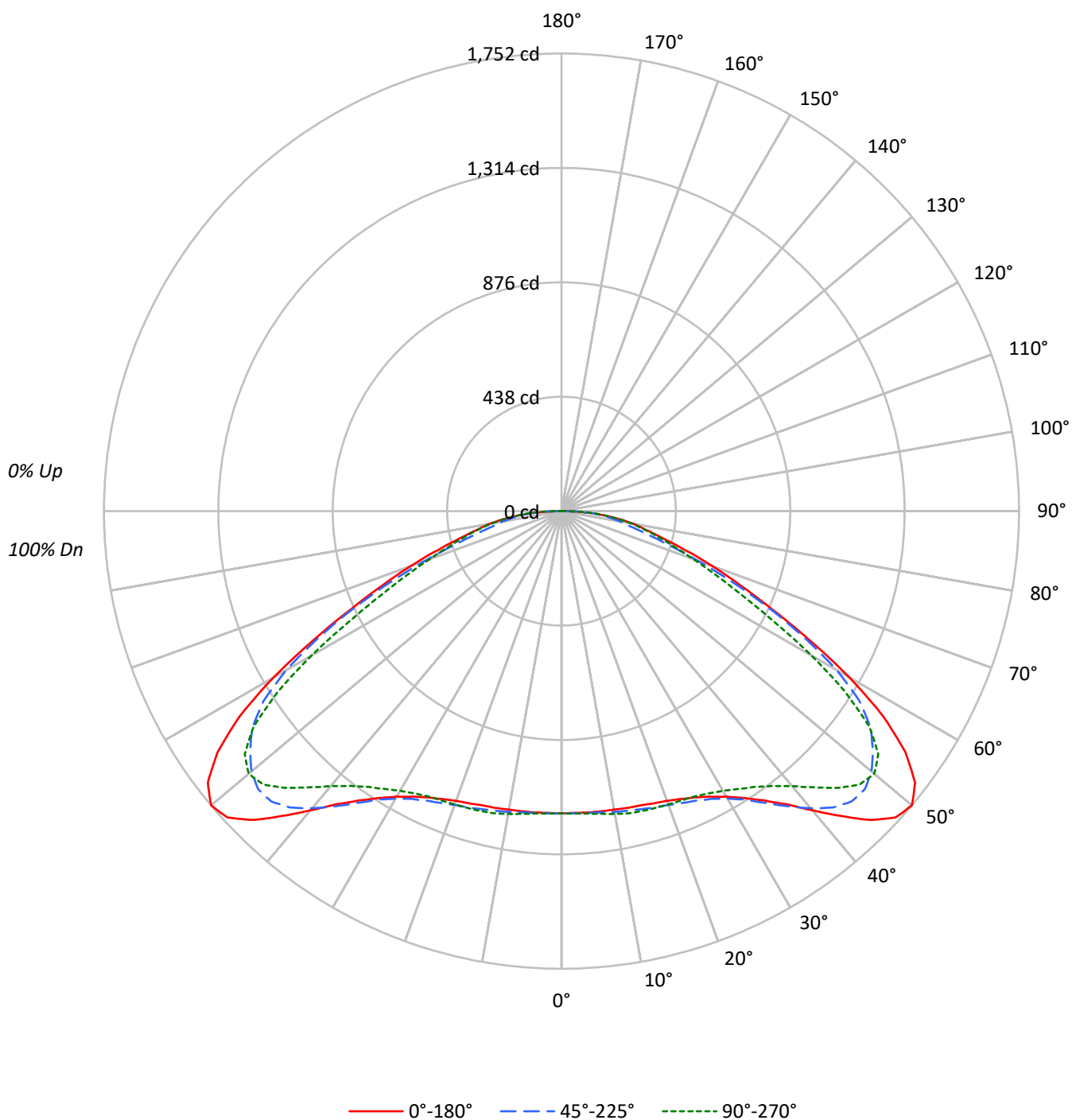
Lumens per Lamp: N/A
Luminaire Lumens: 5775.4 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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							
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°	1557	1557	1557
5°	1564	1567	1569
10°	1585	1597	1608
15°	1624	1645	1656
20°	1690	1714	1711
25°	1795	1816	1789
30°	1961	1975	1920
35°	2221	2240	2117
40°	2626	2608	2413
45°	3181	2991	2850
50°	3667	3244	3274
55°	3769	3389	3378
60°	3426	3275	2974
65°	2833	2783	2426
70°	2419	2179	2109
75°	2095	1736	1996
80°	2170	1759	2100
85°	2192	2115	2331

MAXIMUM LUMINANCE 45°-90°:

Luminance: 3773 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.9
10°-20°	334.9	5.8
20°-30°	565.6	9.8
30°-40°	851.5	14.7
40°-50°	1210.7	21.0
50°-60°	1299.4	22.5
60°-70°	846.9	14.7
70°-80°	407.2	7.1
80°-90°	148.2	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°	1011.6	17.5
0°-40°	1863.1	32.3
0°-60°	4373.2	75.7
0°-90°	5775.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5775.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1158	1159	1160	1164	1162	111
15°	1166	1172	1181	1188	1189	331
25°	1209	1220	1223	1212	1205	563
35°	1352	1378	1364	1318	1289	858
45°	1672	1631	1572	1531	1498	1283
55°	1607	1566	1445	1403	1440	1406
65°	890	883	874	780	762	901
75°	403	381	334	380	384	443
85°	142	133	137	141	151	155
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1157.0	1157.0	1157.0	1157.0	1157.0
2.5°	1156.0	1157.0	1158.0	1159.0	1159.0
5°	1158.0	1159.0	1160.0	1164.0	1162.0
7.5°	1159.0	1160.0	1163.0	1169.0	1169.0
10°	1160.0	1163.0	1169.0	1175.0	1177.0
12.5°	1164.0	1167.0	1175.0	1183.0	1185.0
15°	1166.0	1172.0	1181.0	1188.0	1189.0
17.5°	1173.0	1179.0	1189.0	1192.0	1192.0
20°	1180.0	1188.0	1197.0	1197.0	1195.0
22.5°	1193.0	1202.0	1209.0	1203.0	1199.0
25°	1209.0	1220.0	1223.0	1212.0	1205.0
27.5°	1232.0	1246.0	1242.0	1227.0	1218.0
30°	1262.0	1280.0	1271.0	1249.0	1236.0
32.5°	1302.0	1324.0	1309.0	1281.0	1261.0
35°	1352.0	1378.0	1364.0	1318.0	1289.0
37.5°	1414.0	1440.9	1424.0	1365.0	1326.0
40°	1494.9	1508.9	1484.9	1421.0	1374.0
42.5°	1582.9	1575.9	1538.9	1479.9	1434.0
45°	1671.9	1630.9	1571.9	1530.9	1497.9
47.5°	1735.9	1659.9	1575.9	1554.9	1548.9
50°	1751.9	1653.9	1549.9	1541.9	1563.9
52.5°	1706.9	1621.9	1502.9	1488.9	1528.9
55°	1606.9	1565.9	1444.9	1403.0	1439.9
57.5°	1459.9	1456.9	1353.0	1278.0	1288.0
60°	1273.0	1285.0	1217.0	1111.0	1105.0
62.5°	1071.0	1078.0	1048.0	938.0	917.0
65°	890.0	883.0	874.0	780.0	762.0
67.5°	741.0	720.0	706.0	649.0	640.0
70°	615.0	582.0	554.0	545.0	536.0
72.5°	498.0	474.0	429.0	454.0	453.0
75°	403.0	381.0	334.0	380.0	384.0
77.5°	330.0	315.0	270.0	312.0	325.0
80°	280.0	249.0	227.0	254.0	271.0
82.5°	214.0	190.0	185.0	196.0	212.0
85°	142.0	133.0	137.0	141.0	151.0
87.5°	72.0	77.0	83.0	90.0	95.0
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	17.9	19.7	18.3	20.0	20.3	17.0	18.8	17.4	19.1	19.4
	3H	19.0	20.7	19.4	21.0	21.3	18.2	19.8	18.5	20.1	20.5
	4H	19.4	21.0	19.8	21.3	21.7	18.6	20.1	19.0	20.5	20.9
	6H	19.8	21.2	20.2	21.6	22.0	19.1	20.5	19.5	20.8	21.2
	8H	19.9	21.3	20.4	21.7	22.1	19.3	20.6	19.7	21.0	21.4
	12H	20.1	21.4	20.5	21.8	22.2	19.4	20.7	19.9	21.1	21.5
4H	2H	18.3	19.9	18.7	20.2	20.6	17.6	19.1	18.0	19.5	19.8
	3H	19.6	20.9	20.0	21.3	21.7	18.9	20.2	19.3	20.6	21.0
	4H	20.1	21.3	20.6	21.7	22.1	19.5	20.6	19.9	21.1	21.5
	6H	20.6	21.6	21.1	22.1	22.5	20.1	21.1	20.5	21.5	22.0
	8H	20.8	21.8	21.3	22.2	22.7	20.3	21.3	20.8	21.7	22.2
	12H	21.0	21.9	21.5	22.4	22.8	20.6	21.4	21.0	21.9	22.4
8H	4H	20.3	21.2	20.7	21.7	22.1	19.7	20.7	20.2	21.1	21.6
	6H	20.9	21.7	21.4	22.2	22.6	20.4	21.2	20.9	21.7	22.2
	8H	21.2	21.9	21.7	22.4	22.9	20.8	21.5	21.3	22.0	22.5
	12H	21.5	22.1	22.0	22.6	23.2	21.1	21.8	21.6	22.2	22.8
12H	4H	20.3	21.2	20.8	21.7	22.1	19.7	20.6	20.2	21.1	21.5
	6H	20.9	21.7	21.5	22.1	22.7	20.5	21.2	21.0	21.7	22.2
	8H	21.3	21.9	21.8	22.4	23.0	20.9	21.5	21.4	22.0	22.6















(END OF REPORT)