

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: P1526919

Luminaire Tested: 24CGTX-55HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526919
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

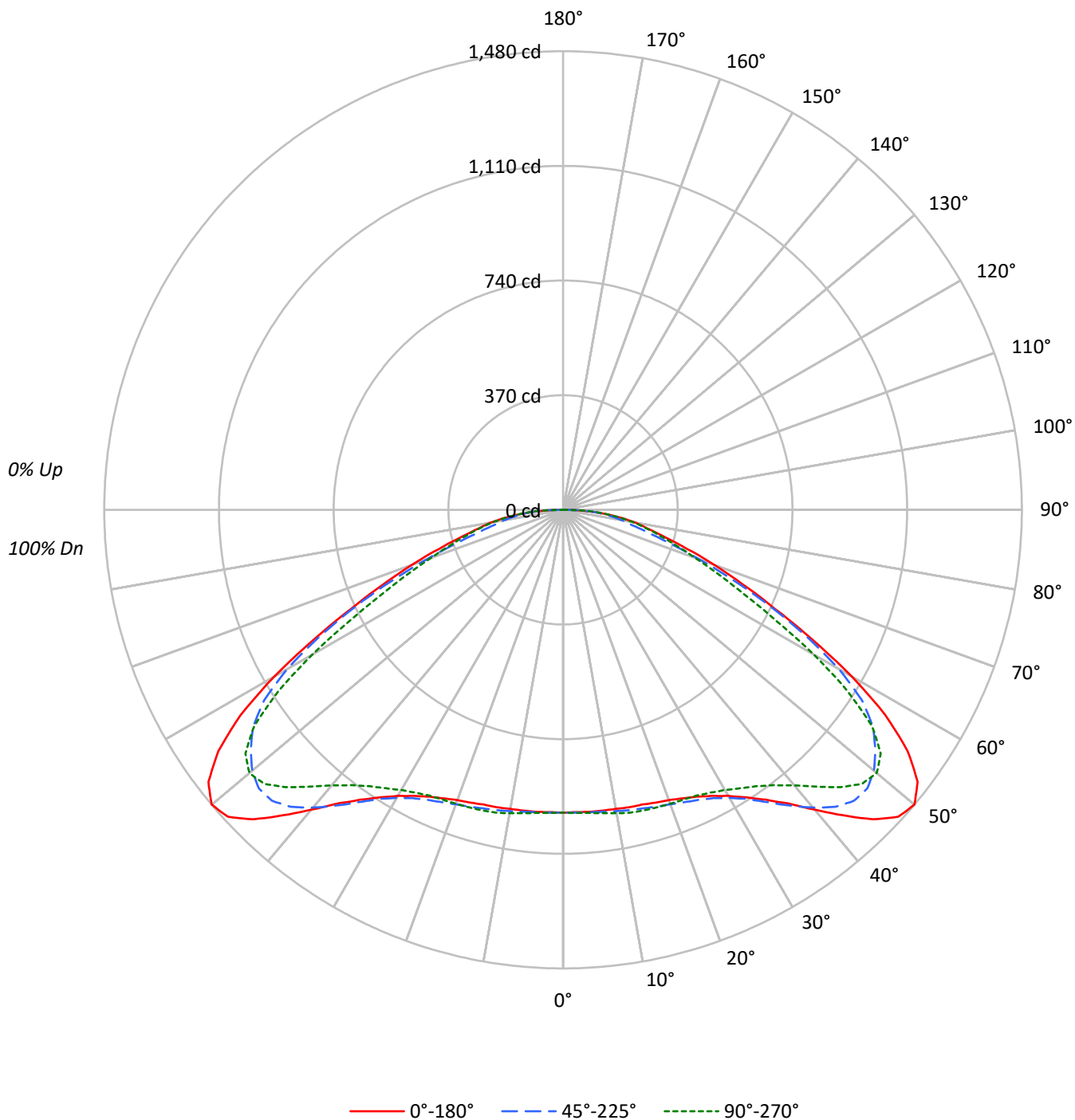
Lumens per Lamp: N/A
Luminaire Lumens: 4878.2 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1315	1315	1315
5°	1321	1323	1326
10°	1339	1349	1358
15°	1372	1389	1399
20°	1427	1448	1445
25°	1516	1534	1511
30°	1656	1668	1622
35°	1876	1892	1788
40°	2218	2203	2038
45°	2687	2527	2408
50°	3098	2740	2765
55°	3184	2863	2853
60°	2893	2766	2511
65°	2393	2350	2049
70°	2043	1841	1781
75°	1770	1467	1686
80°	1832	1485	1774
85°	1851	1786	1968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 3187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	1.9
10°-20°	282.8	5.8
20°-30°	477.8	9.8
30°-40°	719.2	14.7
40°-50°	1022.7	21.0
50°-60°	1097.6	22.5
60°-70°	715.3	14.7
70°-80°	343.9	7.1
80°-90°	125.2	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°	854.4	17.5
0°-40°	1573.6	32.3
0°-60°	3693.9	75.7
0°-90°	4878.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4878.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	977	977	977	977	977	
5°	978	979	980	983	982	93
15°	985	990	998	1003	1004	280
25°	1021	1030	1033	1024	1018	475
35°	1142	1164	1152	1113	1089	725
45°	1412	1378	1328	1293	1265	1084
55°	1357	1323	1220	1185	1216	1187
65°	752	746	738	659	644	761
75°	340	322	282	321	324	374
85°	120	112	116	119	128	131
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	977.2	977.2	977.2	977.2	977.2
2.5°	976.4	977.2	978.1	978.9	978.9
5°	978.1	978.9	979.8	983.2	981.5
7.5°	978.9	979.8	982.3	987.4	987.4
10°	979.8	982.3	987.4	992.4	994.1
12.5°	983.2	985.7	992.4	999.2	1000.9
15°	984.8	989.9	997.5	1003.4	1004.3
17.5°	990.8	995.8	1004.3	1006.8	1006.8
20°	996.7	1003.4	1011.0	1011.0	1009.3
22.5°	1007.6	1015.2	1021.2	1016.1	1012.7
25°	1021.2	1030.4	1033.0	1023.7	1017.8
27.5°	1040.6	1052.4	1049.0	1036.4	1028.8
30°	1065.9	1081.1	1073.5	1054.9	1044.0
32.5°	1099.7	1118.3	1105.6	1082.0	1065.1
35°	1141.9	1163.9	1152.1	1113.2	1088.7
37.5°	1194.3	1217.1	1202.8	1152.9	1120.0
40°	1262.7	1274.5	1254.3	1200.2	1160.5
42.5°	1337.1	1331.1	1299.9	1250.1	1211.2
45°	1412.2	1377.6	1327.8	1293.1	1265.3
47.5°	1466.3	1402.1	1331.1	1313.4	1308.3
50°	1479.8	1397.0	1309.2	1302.4	1321.0
52.5°	1441.8	1370.0	1269.5	1257.7	1291.4
55°	1357.3	1322.7	1220.5	1185.0	1216.3
57.5°	1233.2	1230.6	1142.8	1079.4	1087.9
60°	1075.2	1085.4	1027.9	938.4	933.3
62.5°	904.6	910.5	885.2	792.3	774.5
65°	751.7	745.8	738.2	658.8	643.6
67.5°	625.9	608.1	596.3	548.2	540.6
70°	519.4	491.6	467.9	460.3	452.7
72.5°	420.6	400.4	362.3	383.5	382.6
75°	340.4	321.8	282.1	321.0	324.3
77.5°	278.7	266.1	228.1	263.5	274.5
80°	236.5	210.3	191.7	214.5	228.9
82.5°	180.8	160.5	156.3	165.5	179.1
85°	119.9	112.3	115.7	119.1	127.5
87.5°	60.8	65.0	70.1	76.0	80.2
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	17.3	19.1	17.7	19.4	19.8	16.4	18.2	16.8	18.5	18.8
	3H	18.5	20.1	18.8	20.4	20.7	17.6	19.2	17.9	19.5	19.9
	4H	18.8	20.4	19.2	20.7	21.1	18.0	19.6	18.4	19.9	20.3
	6H	19.2	20.6	19.6	21.0	21.4	18.5	19.9	18.9	20.3	20.6
	8H	19.4	20.7	19.8	21.1	21.5	18.7	20.0	19.1	20.4	20.8
	12H	19.5	20.8	19.9	21.2	21.6	18.8	20.1	19.3	20.5	21.0
4H	2H	17.8	19.3	18.2	19.6	20.0	17.0	18.5	17.4	18.9	19.2
	3H	19.0	20.3	19.4	20.7	21.1	18.3	19.6	18.7	20.0	20.4
	4H	19.5	20.7	20.0	21.1	21.5	18.9	20.1	19.3	20.5	20.9
	6H	20.0	21.1	20.5	21.5	21.9	19.5	20.5	19.9	20.9	21.4
	8H	20.3	21.2	20.7	21.6	22.1	19.7	20.7	20.2	21.1	21.6
	12H	20.4	21.3	20.9	21.8	22.3	20.0	20.8	20.5	21.3	21.8
8H	4H	19.7	20.7	20.2	21.1	21.6	19.1	20.1	19.6	20.5	21.0
	6H	20.3	21.1	20.8	21.6	22.1	19.8	20.6	20.3	21.1	21.6
	8H	20.6	21.3	21.1	21.8	22.3	20.2	20.9	20.7	21.4	21.9
	12H	20.9	21.5	21.4	22.0	22.6	20.5	21.2	21.0	21.7	22.2
12H	4H	19.7	20.6	20.2	21.1	21.5	19.1	20.0	19.6	20.5	20.9
	6H	20.4	21.1	20.9	21.5	22.1	19.9	20.6	20.4	21.1	21.6
	8H	20.7	21.3	21.2	21.8	22.4	20.3	20.9	20.8	21.4	22.0















(END OF REPORT)