

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: P1527279

Luminaire Tested: 22CGSB-40-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-40-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

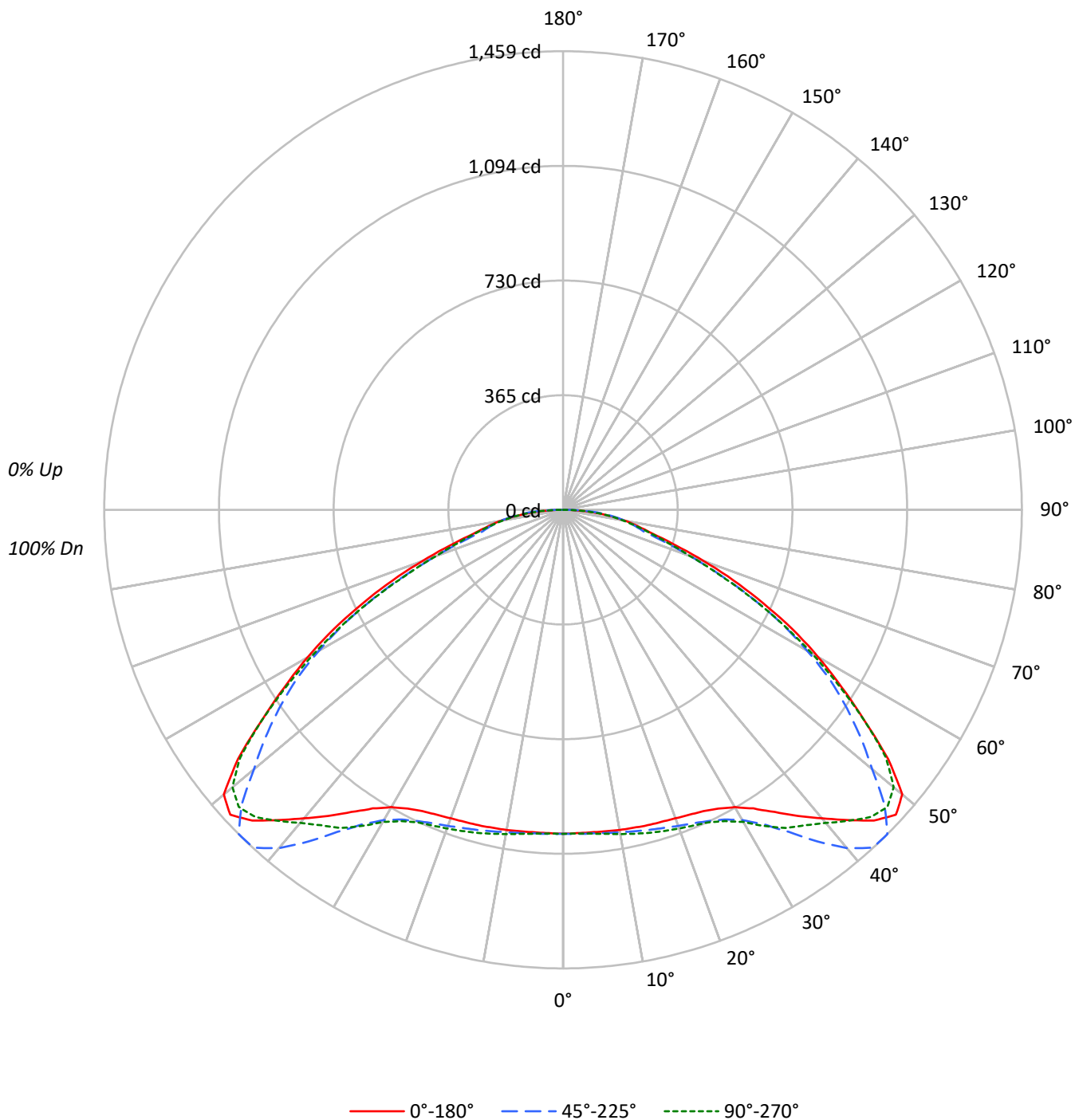
Lumens per Lamp: N/A
Luminaire Lumens: 4875.7 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.8
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	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°	2773	2773	2773
5°	2781	2791	2794
10°	2826	2846	2861
15°	2894	2937	2963
20°	2991	3064	3088
25°	3139	3243	3257
30°	3394	3540	3562
35°	3854	4108	4060
40°	4500	4933	4568
45°	5320	5551	5261
50°	5895	5370	5745
55°	5496	5172	5491
60°	5046	4828	4916
65°	4462	4210	4204
70°	3739	3369	3376
75°	3073	2757	2978
80°	3126	3112	2983
85°	3072	3696	3128

MAXIMUM LUMINANCE 45°-90°:

Luminance: 5895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	2.0
10°-20°	298.8	6.1
20°-30°	505.2	10.4
30°-40°	776.9	15.9
40°-50°	1079.7	22.1
50°-60°	1016.3	20.8
60°-70°	671.2	13.8
70°-80°	311.9	6.4
80°-90°	116.7	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°	902.9	18.5
0°-40°	1679.8	34.5
0°-60°	3775.8	77.4
0°-90°	4875.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4875.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1030	1032	1033	1035	1034	98
15°	1039	1043	1054	1062	1064	295
25°	1057	1071	1092	1099	1097	492
35°	1173	1215	1251	1246	1236	743
45°	1398	1448	1459	1424	1382	1070
55°	1171	1155	1102	1140	1170	1050
65°	701	694	661	671	660	696
75°	296	285	265	274	286	331
85°	100	114	120	116	101	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.5	1030.5	1030.5	1030.5	1030.5
2.5°	1029.6	1031.4	1032.3	1033.3	1030.5
5°	1029.6	1032.3	1033.3	1035.1	1034.2
7.5°	1031.4	1034.2	1036.9	1038.8	1039.7
10°	1034.2	1036.9	1041.6	1047.1	1047.1
12.5°	1036.0	1040.6	1047.1	1054.4	1055.4
15°	1038.8	1043.4	1054.4	1061.8	1063.7
17.5°	1040.6	1048.0	1060.9	1070.1	1071.0
20°	1044.3	1052.6	1070.1	1078.4	1078.4
22.5°	1049.8	1060.9	1079.3	1086.7	1086.7
25°	1057.2	1071.0	1092.2	1098.6	1096.8
27.5°	1071.0	1087.6	1110.6	1118.0	1116.1
30°	1092.2	1114.3	1139.2	1148.4	1146.5
32.5°	1126.3	1153.9	1185.2	1193.5	1192.6
35°	1173.2	1214.7	1250.6	1246.0	1235.9
37.5°	1227.6	1289.3	1329.8	1286.5	1264.4
40°	1281.0	1364.8	1404.4	1334.4	1300.3
42.5°	1338.1	1423.7	1457.8	1389.7	1341.8
45°	1397.9	1447.7	1458.7	1423.7	1382.3
47.5°	1435.7	1409.9	1386.0	1407.2	1398.9
50°	1408.1	1321.5	1282.8	1323.4	1372.2
52.5°	1303.1	1239.5	1194.4	1232.2	1293.9
55°	1171.4	1154.8	1102.3	1140.1	1170.5
57.5°	1050.8	1063.7	1006.6	1035.1	1039.7
60°	937.5	946.7	897.0	920.9	913.5
62.5°	822.4	823.3	784.6	798.4	787.4
65°	700.8	694.4	661.2	671.3	660.3
67.5°	586.6	571.9	540.6	545.2	535.1
70°	475.2	457.7	428.2	434.7	429.1
72.5°	375.7	361.9	336.1	344.4	349.9
75°	295.6	284.6	265.2	273.5	286.4
77.5°	245.0	231.1	233.0	227.5	236.7
80°	201.7	193.4	200.8	195.2	192.5
82.5°	150.1	158.4	161.2	163.9	150.1
85°	99.5	114.2	119.7	116.0	101.3
87.5°	48.8	61.7	63.5	62.6	52.5
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	18.8	20.5	19.1	20.8	21.2	18.6	20.4	19.0	20.7	21.0
	3H	20.0	21.6	20.4	22.0	22.3	19.8	21.4	20.1	21.7	22.0
	4H	20.4	21.9	20.8	22.3	22.6	20.2	21.6	20.5	22.0	22.4
	6H	20.8	22.2	21.2	22.5	22.9	20.5	21.9	20.9	22.3	22.6
	8H	20.9	22.3	21.3	22.6	23.0	20.7	22.0	21.1	22.4	22.8
	12H	21.0	22.3	21.5	22.7	23.1	20.8	22.1	21.2	22.5	22.9
4H	2H	19.2	20.7	19.6	21.1	21.4	19.1	20.6	19.5	20.9	21.3
	3H	20.7	21.9	21.1	22.3	22.7	20.4	21.7	20.8	22.1	22.5
	4H	21.2	22.3	21.6	22.7	23.1	20.9	22.0	21.3	22.4	22.9
	6H	21.6	22.6	22.1	23.1	23.5	21.4	22.4	21.8	22.8	23.3
	8H	21.8	22.8	22.3	23.2	23.7	21.6	22.6	22.1	23.0	23.5
	12H	22.0	22.9	22.5	23.3	23.8	21.8	22.7	22.3	23.1	23.6
8H	4H	21.3	22.3	21.8	22.7	23.2	21.1	22.0	21.6	22.5	22.9
	6H	21.9	22.7	22.4	23.2	23.7	21.7	22.5	22.2	23.0	23.5
	8H	22.3	23.0	22.8	23.5	23.9	22.1	22.8	22.6	23.3	23.8
	12H	22.6	23.2	23.1	23.7	24.2	22.4	23.0	22.9	23.5	24.1
12H	4H	21.4	22.2	21.8	22.7	23.2	21.1	22.0	21.6	22.5	22.9
	6H	22.0	22.7	22.5	23.2	23.7	21.8	22.5	22.3	23.0	23.5
	8H	22.4	23.0	22.9	23.5	24.1	22.2	22.8	22.7	23.3	23.9













(END OF REPORT)