

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: P1527277

Luminaire Tested: 22CGSB-40-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527277
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

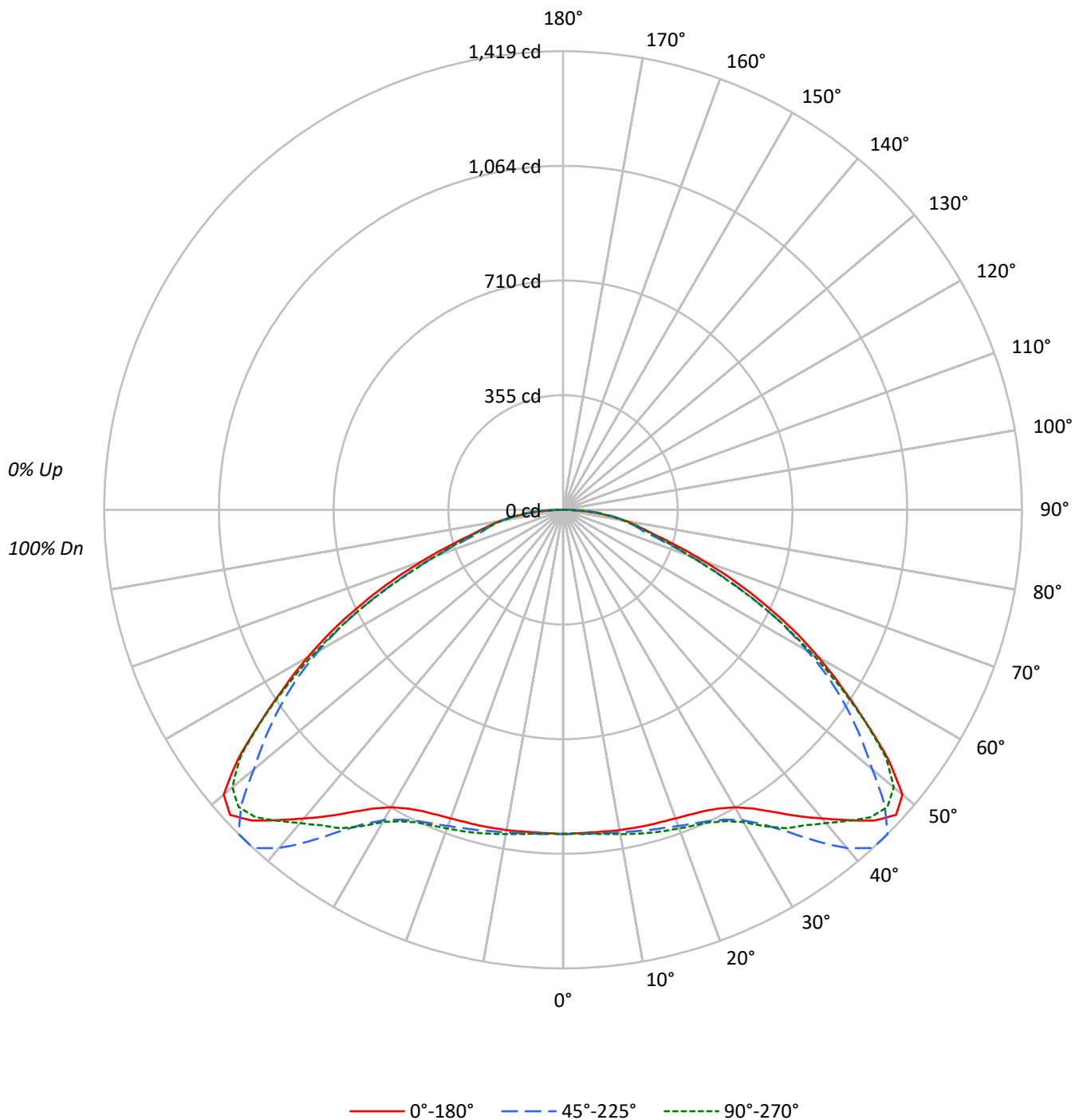
Lumens per Lamp: N/A
Luminaire Lumens: 4743.6 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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°	2698	2698	2698
5°	2706	2716	2718
10°	2749	2769	2784
15°	2815	2858	2883
20°	2909	2981	3005
25°	3054	3155	3168
30°	3302	3444	3466
35°	3750	3997	3950
40°	4378	4800	4444
45°	5176	5401	5118
50°	5735	5225	5589
55°	5347	5032	5343
60°	4909	4697	4783
65°	4341	4096	4090
70°	3637	3278	3285
75°	2990	2682	2897
80°	3040	3027	2903
85°	2989	3597	3044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5735 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	2.0
10°-20°	290.7	6.1
20°-30°	491.5	10.4
30°-40°	755.8	15.9
40°-50°	1050.4	22.1
50°-60°	988.8	20.8
60°-70°	653.0	13.8
70°-80°	303.5	6.4
80°-90°	113.6	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°	878.5	18.5
0°-40°	1634.3	34.5
0°-60°	3673.5	77.4
0°-90°	4743.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1003	1003	1003	1003	1003	
5°	1002	1004	1005	1007	1006	96
15°	1011	1015	1026	1033	1035	287
25°	1029	1042	1063	1069	1067	479
35°	1142	1182	1217	1212	1202	723
45°	1360	1408	1419	1385	1345	1041
55°	1140	1124	1072	1109	1139	1021
65°	682	676	643	653	642	677
75°	288	277	258	266	279	322
85°	97	111	116	113	99	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1001.7	1003.5	1004.4	1005.3	1002.6
5°	1001.7	1004.4	1005.3	1007.1	1006.2
7.5°	1003.5	1006.2	1008.9	1010.6	1011.5
10°	1006.2	1008.9	1013.3	1018.7	1018.7
12.5°	1008.0	1012.4	1018.7	1025.9	1026.8
15°	1010.6	1015.1	1025.9	1033.0	1034.8
17.5°	1012.4	1019.6	1032.1	1041.1	1042.0
20°	1016.0	1024.1	1041.1	1049.2	1049.2
22.5°	1021.4	1032.1	1050.1	1057.2	1057.2
25°	1028.6	1042.0	1062.6	1068.9	1067.1
27.5°	1042.0	1058.1	1080.5	1087.7	1085.9
30°	1062.6	1084.1	1108.3	1117.3	1115.5
32.5°	1095.8	1122.6	1153.1	1161.2	1160.3
35°	1141.5	1181.8	1216.7	1212.2	1202.4
37.5°	1194.3	1254.3	1293.8	1251.7	1230.2
40°	1246.3	1327.8	1366.3	1298.3	1265.1
42.5°	1301.8	1385.2	1418.3	1352.0	1305.4
45°	1360.1	1408.5	1419.2	1385.2	1344.8
47.5°	1396.8	1371.7	1348.4	1369.0	1361.0
50°	1369.9	1285.7	1248.1	1287.5	1335.0
52.5°	1267.8	1206.0	1162.1	1198.8	1258.8
55°	1139.7	1123.5	1072.5	1109.2	1138.8
57.5°	1022.3	1034.8	979.3	1007.1	1011.5
60°	912.1	921.1	872.7	896.0	888.8
62.5°	800.1	801.0	763.4	776.8	766.0
65°	681.8	675.6	643.3	653.2	642.4
67.5°	570.7	556.4	525.9	530.4	520.6
70°	462.3	445.3	416.6	422.9	417.5
72.5°	365.6	352.1	327.0	335.1	340.5
75°	287.6	276.9	258.0	266.1	278.6
77.5°	238.3	224.9	226.7	221.3	230.3
80°	196.2	188.2	195.3	189.9	187.3
82.5°	146.0	154.1	156.8	159.5	146.0
85°	96.8	111.1	116.5	112.9	98.6
87.5°	47.5	60.0	61.8	60.9	51.1
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	18.7	20.4	19.0	20.7	21.1	18.5	20.3	18.9	20.6	20.9
	3H	19.9	21.5	20.3	21.9	22.2	19.7	21.3	20.0	21.6	21.9
	4H	20.3	21.8	20.7	22.2	22.6	20.1	21.6	20.5	21.9	22.3
	6H	20.7	22.1	21.1	22.4	22.8	20.4	21.8	20.8	22.2	22.5
	8H	20.8	22.2	21.3	22.5	22.9	20.6	21.9	21.0	22.3	22.7
	12H	20.9	22.2	21.4	22.6	23.0	20.7	22.0	21.1	22.4	22.8
4H	2H	19.1	20.6	19.5	21.0	21.3	19.0	20.5	19.4	20.8	21.2
	3H	20.6	21.8	21.0	22.2	22.6	20.3	21.6	20.7	22.0	22.4
	4H	21.1	22.2	21.5	22.6	23.0	20.8	21.9	21.2	22.4	22.8
	6H	21.5	22.5	22.0	23.0	23.4	21.3	22.3	21.8	22.7	23.2
	8H	21.8	22.7	22.2	23.1	23.6	21.5	22.5	22.0	22.9	23.4
	12H	21.9	22.8	22.4	23.3	23.7	21.7	22.6	22.2	23.1	23.5
8H	4H	21.2	22.2	21.7	22.6	23.1	21.0	21.9	21.5	22.4	22.9
	6H	21.9	22.6	22.3	23.1	23.6	21.6	22.4	22.1	22.9	23.4
	8H	22.2	22.9	22.7	23.4	23.9	22.0	22.7	22.5	23.2	23.7
	12H	22.5	23.1	23.0	23.6	24.1	22.3	22.9	22.8	23.4	24.0
12H	4H	21.3	22.1	21.8	22.6	23.1	21.1	21.9	21.5	22.4	22.8
	6H	21.9	22.6	22.4	23.1	23.6	21.7	22.4	22.2	22.9	23.4
	8H	22.3	22.9	22.8	23.4	24.0	22.1	22.8	22.6	23.2	23.8











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