

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: P1527278

Luminaire Tested: 22CGSB-40-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527278
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

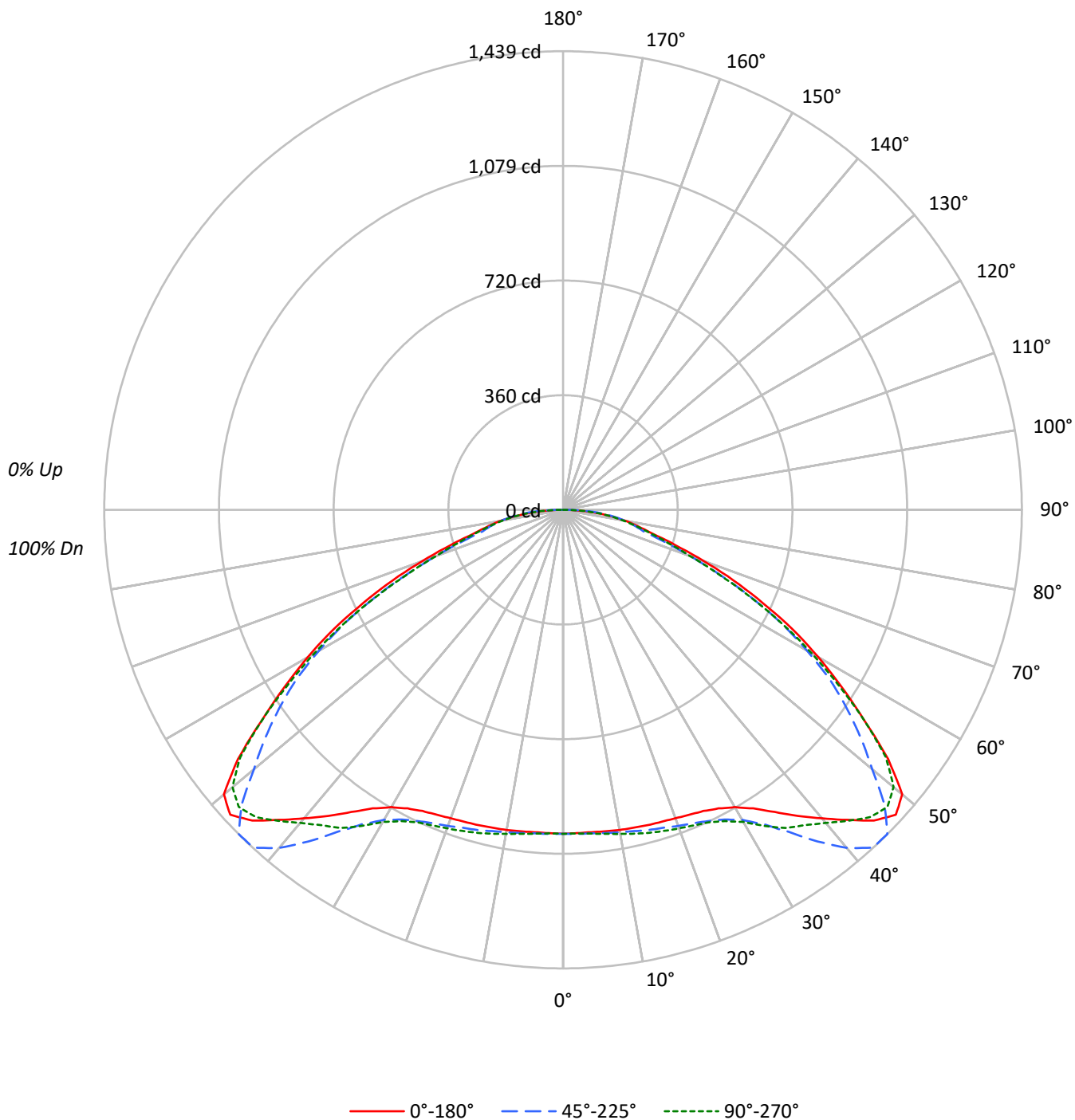
Lumens per Lamp: N/A
Luminaire Lumens: 4808.3 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2735	2735	2735
5°	2743	2753	2755
10°	2787	2807	2822
15°	2854	2897	2922
20°	2949	3022	3046
25°	3096	3198	3211
30°	3347	3491	3513
35°	3801	4051	4004
40°	4438	4865	4505
45°	5246	5475	5188
50°	5813	5296	5665
55°	5420	5100	5415
60°	4976	4761	4849
65°	4401	4152	4146
70°	3687	3323	3330
75°	3031	2720	2936
80°	3082	3068	2941
85°	3029	3646	3084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	2.0
10°-20°	294.7	6.1
20°-30°	498.2	10.4
30°-40°	766.1	15.9
40°-50°	1064.7	22.1
50°-60°	1002.3	20.8
60°-70°	661.9	13.8
70°-80°	307.6	6.4
80°-90°	115.1	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°	890.5	18.5
0°-40°	1656.6	34.5
0°-60°	3723.6	77.4
0°-90°	4808.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4808.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1015	1018	1019	1021	1020	97
15°	1024	1029	1040	1047	1049	290
25°	1043	1056	1077	1084	1082	485
35°	1157	1198	1233	1229	1219	732
45°	1379	1428	1439	1404	1363	1055
55°	1155	1139	1087	1124	1154	1035
65°	691	685	652	662	651	686
75°	292	281	262	270	282	326
85°	98	113	118	114	100	107
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1016.3	1016.3	1016.3	1016.3	1016.3
2.5°	1015.3	1017.2	1018.1	1019.0	1016.3
5°	1015.3	1018.1	1019.0	1020.8	1019.9
7.5°	1017.2	1019.9	1022.6	1024.4	1025.3
10°	1019.9	1022.6	1027.2	1032.6	1032.6
12.5°	1021.7	1026.2	1032.6	1039.9	1040.8
15°	1024.4	1029.0	1039.9	1047.1	1048.9
17.5°	1026.2	1033.5	1046.2	1055.3	1056.2
20°	1029.9	1038.1	1055.3	1063.5	1063.5
22.5°	1035.3	1046.2	1064.4	1071.7	1071.7
25°	1042.6	1056.2	1077.1	1083.5	1081.6
27.5°	1056.2	1072.6	1095.3	1102.5	1100.7
30°	1077.1	1098.9	1123.4	1132.5	1130.7
32.5°	1110.7	1138.0	1168.8	1177.0	1176.1
35°	1157.0	1197.9	1233.3	1228.8	1218.8
37.5°	1210.6	1271.5	1311.4	1268.7	1246.9
40°	1263.3	1345.9	1385.0	1316.0	1282.4
42.5°	1319.6	1404.0	1437.6	1370.4	1323.2
45°	1378.6	1427.7	1438.6	1404.0	1363.2
47.5°	1415.9	1390.4	1366.8	1387.7	1379.5
50°	1388.6	1303.2	1265.1	1305.1	1353.2
52.5°	1285.1	1222.4	1177.9	1215.1	1276.0
55°	1155.2	1138.9	1087.1	1124.3	1154.3
57.5°	1036.2	1048.9	992.6	1020.8	1025.3
60°	924.5	933.6	884.6	908.2	900.9
62.5°	811.0	811.9	773.8	787.4	776.5
65°	691.1	684.8	652.1	662.1	651.2
67.5°	578.5	564.0	533.1	537.6	527.7
70°	468.6	451.4	422.3	428.7	423.2
72.5°	370.5	356.9	331.5	339.7	345.1
75°	291.5	280.6	261.6	269.7	282.4
77.5°	241.6	228.0	229.8	224.3	233.4
80°	198.9	190.7	198.0	192.5	189.8
82.5°	148.0	156.2	158.9	161.7	148.0
85°	98.1	112.6	118.1	114.4	99.9
87.5°	48.1	60.8	62.7	61.8	51.8
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	20.5	19.1	20.8	21.1	18.6	20.3	18.9	20.6	20.9
	3H	20.0	21.6	20.4	21.9	22.3	19.7	21.3	20.1	21.6	22.0
	4H	20.4	21.9	20.8	22.2	22.6	20.1	21.6	20.5	21.9	22.3
	6H	20.7	22.1	21.1	22.5	22.9	20.5	21.8	20.9	22.2	22.6
	8H	20.9	22.2	21.3	22.6	23.0	20.6	21.9	21.0	22.3	22.7
	12H	21.0	22.3	21.4	22.7	23.1	20.7	22.0	21.2	22.4	22.8
4H	2H	19.2	20.7	19.6	21.0	21.4	19.0	20.5	19.4	20.9	21.2
	3H	20.6	21.9	21.0	22.3	22.7	20.4	21.6	20.8	22.0	22.4
	4H	21.1	22.2	21.5	22.6	23.1	20.9	22.0	21.3	22.4	22.8
	6H	21.6	22.6	22.0	23.0	23.5	21.3	22.3	21.8	22.8	23.2
	8H	21.8	22.7	22.3	23.2	23.6	21.6	22.5	22.0	23.0	23.4
	12H	22.0	22.8	22.5	23.3	23.8	21.8	22.6	22.3	23.1	23.6
8H	4H	21.3	22.2	21.7	22.7	23.1	21.1	22.0	21.5	22.4	22.9
	6H	21.9	22.7	22.4	23.2	23.6	21.7	22.5	22.2	23.0	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	24.2	22.4	23.0	22.9	23.5	24.0
12H	4H	21.3	22.2	21.8	22.6	23.1	21.1	21.9	21.6	22.4	22.9
	6H	22.0	22.7	22.5	23.1	23.7	21.8	22.5	22.3	22.9	23.5
	8H	22.3	23.0	22.8	23.5	24.0	22.2	22.8	22.7	23.3	23.8















(END OF REPORT)