

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: P1584107

Luminaire Tested: 14CGSB-45-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-45-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

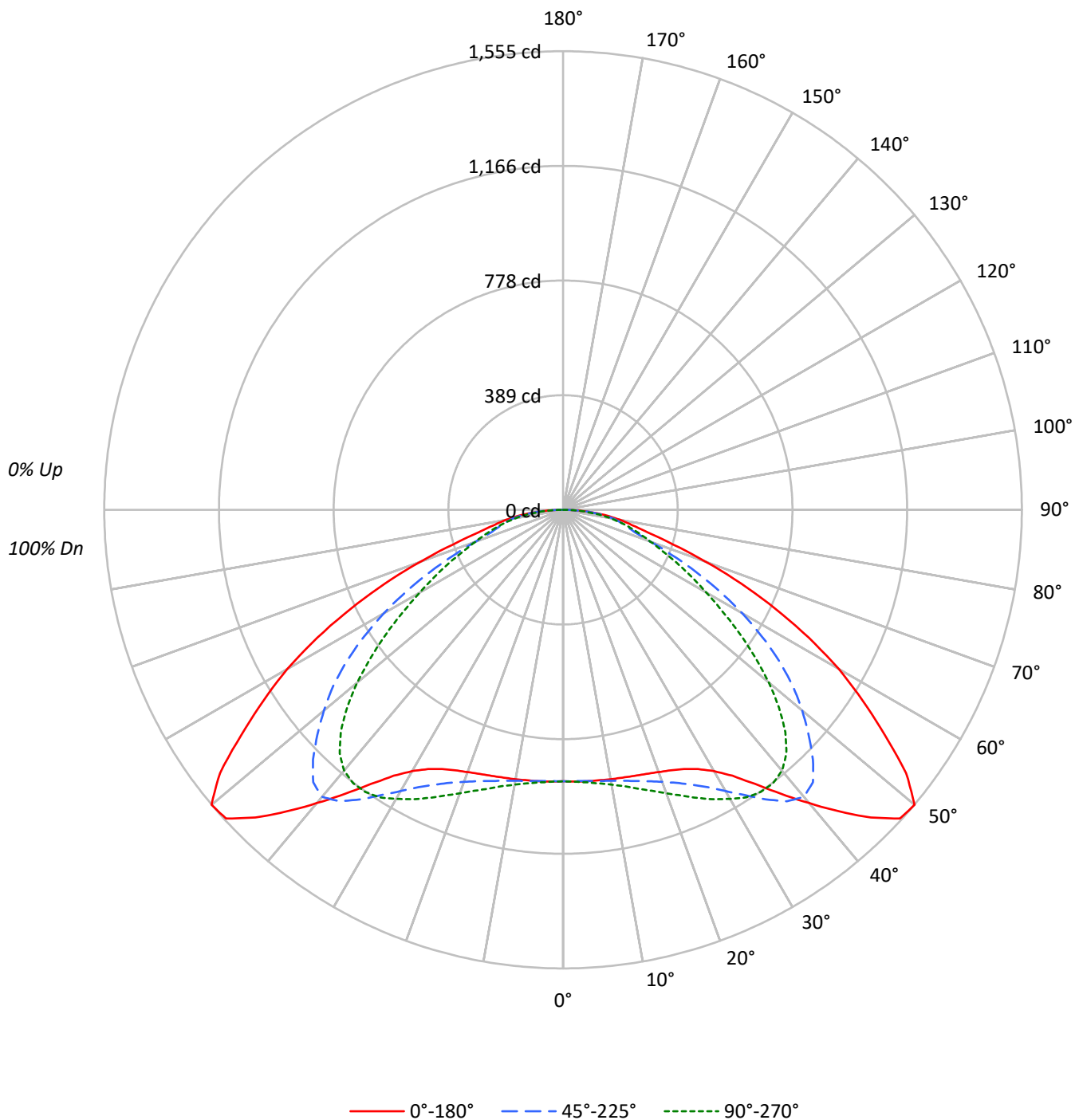
Lumens per Lamp: N/A
Luminaire Lumens: 4310.7 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.5
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	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85		83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70		68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58		56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49		47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42		39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36		34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31		29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27		25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24		22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22		20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2477	2477	2477
5°	2495	2492	2506
10°	2535	2549	2585
15°	2601	2651	2726
20°	2709	2810	2928
25°	2879	3052	3200
30°	3177	3420	3516
35°	3724	3936	3836
40°	4559	4462	4055
45°	5614	4560	4055
50°	6511	4428	3809
55°	6246	4197	3425
60°	5803	3766	3016
65°	5055	3155	2702
70°	4043	2480	2480
75°	3103	2352	2462
80°	3045	2715	2507
85°	3060	3007	2455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	2.1
10°-20°	271.7	6.3
20°-30°	478.2	11.1
30°-40°	740.8	17.2
40°-50°	943.7	21.9
50°-60°	858.6	19.9
60°-70°	556.8	12.9
70°-80°	270.8	6.3
80°-90°	101.5	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°	838.5	19.5
0°-40°	1579.3	36.6
0°-60°	3381.6	78.4
0°-90°	4310.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4310.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	920	920	920	920	920	
5°	924	925	923	924	928	88
15°	934	940	952	970	979	265
25°	970	990	1028	1064	1078	452
35°	1134	1183	1198	1178	1168	722
45°	1475	1384	1198	1093	1065	1133
55°	1331	1168	895	771	730	1189
65°	794	703	496	429	424	786
75°	298	273	226	216	237	338
85°	99	108	97	89	80	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	920.4	920.4	920.4	920.4	920.4
2.5°	922.1	923.2	920.4	921.0	922.6
5°	923.8	924.9	922.6	924.3	927.7
7.5°	924.9	927.1	927.1	931.0	935.5
10°	927.7	929.9	932.7	940.5	946.1
12.5°	929.9	933.8	940.5	953.4	959.6
15°	933.8	940.0	951.7	969.7	978.6
17.5°	938.9	947.8	964.6	988.1	998.8
20°	946.1	957.9	981.4	1009.4	1022.3
22.5°	955.7	971.3	1001.6	1034.6	1048.6
25°	969.7	989.8	1027.9	1064.3	1077.7
27.5°	990.9	1016.1	1059.8	1096.2	1106.3
30°	1022.3	1053.6	1100.7	1125.9	1131.5
32.5°	1068.8	1109.1	1146.6	1155.0	1156.1
35°	1133.7	1183.0	1198.1	1178.5	1167.8
37.5°	1213.2	1268.1	1245.7	1187.4	1168.4
40°	1297.7	1342.5	1270.3	1180.2	1154.4
42.5°	1387.3	1385.1	1253.5	1148.3	1120.3
45°	1475.2	1384.5	1198.1	1093.4	1065.4
47.5°	1549.1	1342.5	1129.2	1025.6	992.6
50°	1555.3	1287.7	1057.6	943.3	909.8
52.5°	1465.7	1233.3	982.0	858.3	819.6
55°	1331.3	1167.8	894.6	770.9	730.0
57.5°	1204.2	1082.2	799.5	680.8	640.5
60°	1078.3	971.9	699.8	593.4	560.4
62.5°	938.9	843.7	597.9	506.7	489.3
65°	793.9	703.2	495.5	429.4	424.4
67.5°	653.3	569.9	397.5	356.6	362.8
70°	513.9	450.1	315.2	305.7	315.2
72.5°	390.8	354.9	256.4	258.7	274.3
75°	298.4	273.2	226.2	215.5	236.8
77.5°	239.1	222.8	200.4	184.8	200.4
80°	196.5	192.6	175.2	156.8	161.8
82.5°	148.4	151.2	137.7	128.2	122.0
85°	99.1	108.1	97.4	89.0	79.5
87.5°	49.8	60.5	51.5	45.9	40.9
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	19.5	21.2	19.9	21.6	21.9	16.1	17.8	16.4	18.1	18.4
	3H	20.8	22.4	21.2	22.7	23.0	17.3	18.9	17.7	19.2	19.6
	4H	21.1	22.6	21.5	23.0	23.3	17.9	19.4	18.3	19.7	20.1
	6H	21.4	22.8	21.9	23.2	23.6	18.5	19.8	18.9	20.2	20.6
	8H	21.6	22.9	22.0	23.3	23.7	18.7	20.0	19.1	20.4	20.8
	12H	21.7	22.9	22.1	23.3	23.7	18.9	20.1	19.3	20.5	20.9
4H	2H	19.7	21.1	20.1	21.5	21.9	16.7	18.2	17.1	18.5	18.9
	3H	21.1	22.4	21.5	22.8	23.2	18.2	19.4	18.6	19.8	20.2
	4H	21.6	22.7	22.0	23.1	23.6	18.8	20.0	19.3	20.4	20.8
	6H	22.1	23.0	22.5	23.5	23.9	19.5	20.5	20.0	20.9	21.4
	8H	22.3	23.2	22.7	23.6	24.1	19.8	20.7	20.3	21.2	21.6
	12H	22.4	23.3	22.9	23.7	24.2	20.1	20.9	20.6	21.4	21.8
8H	4H	21.7	22.6	22.2	23.1	23.5	19.2	20.1	19.6	20.5	21.0
	6H	22.3	23.1	22.8	23.5	24.0	20.0	20.8	20.5	21.3	21.8
	8H	22.6	23.3	23.1	23.8	24.3	20.4	21.1	20.9	21.6	22.1
	12H	22.9	23.5	23.4	24.0	24.5	20.8	21.4	21.3	21.9	22.5
12H	4H	21.7	22.6	22.2	23.0	23.5	19.3	20.1	19.7	20.6	21.0
	6H	22.3	23.0	22.9	23.5	24.0	20.2	20.9	20.7	21.3	21.8
	8H	22.7	23.3	23.2	23.8	24.3	20.6	21.2	21.1	21.7	22.3













(END OF REPORT)