

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: P1527348

Luminaire Tested: 24CGSB-45-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527348
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: 24CGSB-45-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

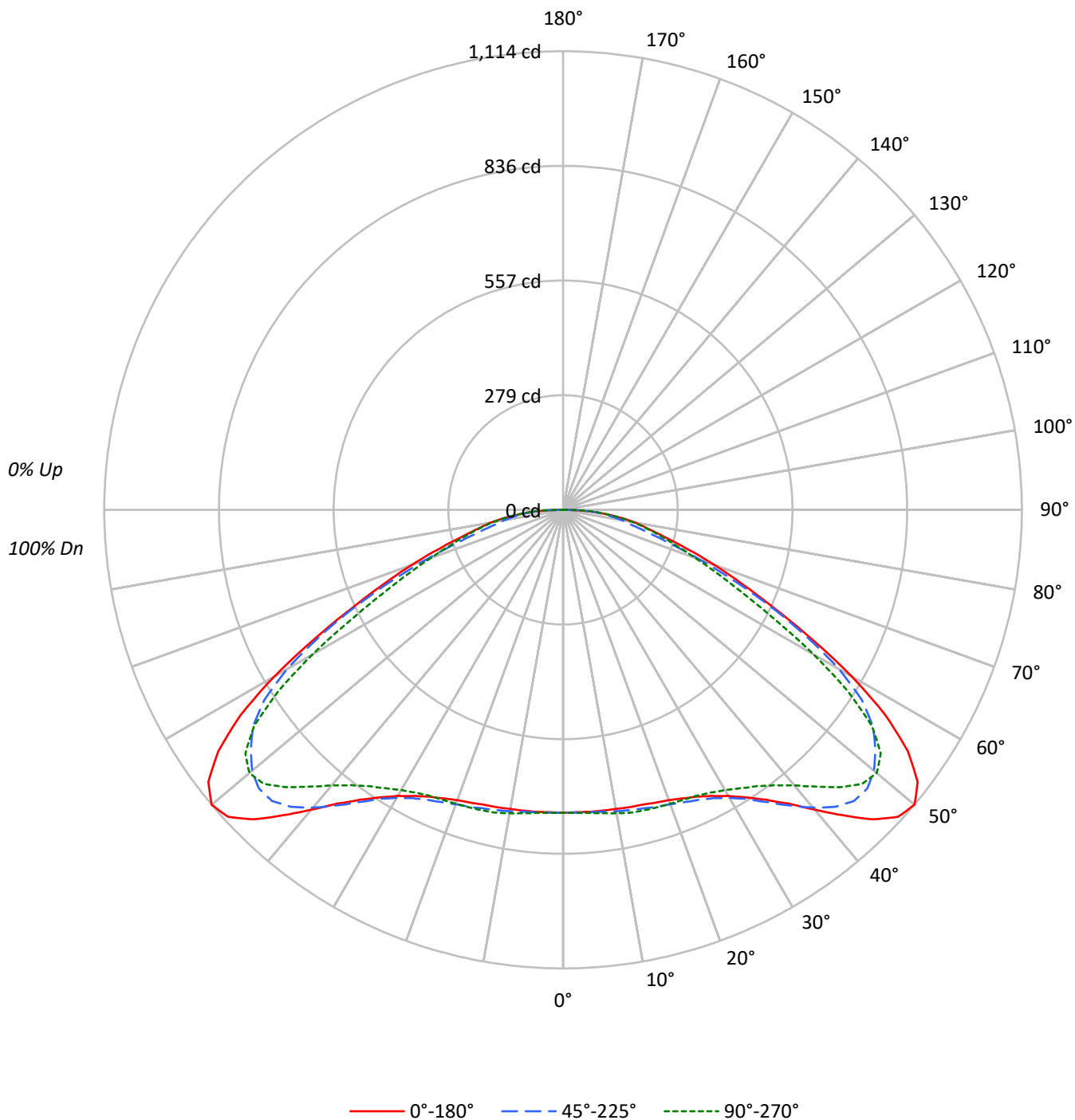
Lumens per Lamp: N/A
Luminaire Lumens: 3672.3 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.4
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	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°	990	990	990
5°	994	996	998
10°	1008	1016	1022
15°	1033	1046	1053
20°	1074	1090	1088
25°	1141	1154	1137
30°	1247	1255	1221
35°	1412	1425	1346
40°	1670	1658	1534
45°	2023	1902	1812
50°	2332	2063	2081
55°	2397	2155	2148
60°	2178	2082	1891
65°	1802	1769	1543
70°	1538	1386	1341
75°	1332	1104	1269
80°	1379	1118	1335
85°	1394	1345	1482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2399 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	1.9
10°-20°	212.9	5.8
20°-30°	359.7	9.8
30°-40°	541.4	14.7
40°-50°	769.9	21.0
50°-60°	826.2	22.5
60°-70°	538.5	14.7
70°-80°	258.9	7.1
80°-90°	94.2	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°	643.2	17.5
0°-40°	1184.6	32.3
0°-60°	2780.7	75.7
0°-90°	3672.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3672.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	736	737	738	740	739	70
15°	741	745	751	755	756	211
25°	769	776	778	771	766	358
35°	860	876	867	838	820	546
45°	1063	1037	1000	974	952	816
55°	1022	996	919	892	916	894
65°	566	561	556	496	484	573
75°	256	242	212	242	244	281
85°	90	85	87	90	96	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	735.7	735.7	735.7	735.7	735.7
2.5°	735.0	735.7	736.3	736.9	736.9
5°	736.3	736.9	737.6	740.1	738.8
7.5°	736.9	737.6	739.5	743.3	743.3
10°	737.6	739.5	743.3	747.1	748.4
12.5°	740.1	742.0	747.1	752.2	753.5
15°	741.4	745.2	750.9	755.4	756.0
17.5°	745.8	749.6	756.0	757.9	757.9
20°	750.3	755.4	761.1	761.1	759.8
22.5°	758.5	764.3	768.7	764.9	762.4
25°	768.7	775.7	777.6	770.6	766.2
27.5°	783.3	792.2	789.7	780.2	774.4
30°	802.4	813.9	808.1	794.2	785.9
32.5°	827.9	841.8	832.3	814.5	801.8
35°	859.6	876.2	867.3	838.0	819.6
37.5°	899.1	916.2	905.4	867.9	843.1
40°	950.6	959.5	944.2	903.5	873.6
42.5°	1006.5	1002.1	978.5	941.0	911.8
45°	1063.1	1037.0	999.5	973.5	952.5
47.5°	1103.8	1055.5	1002.1	988.7	984.9
50°	1114.0	1051.7	985.5	980.5	994.4
52.5°	1085.4	1031.3	955.7	946.8	972.2
55°	1021.8	995.7	918.8	892.1	915.6
57.5°	928.3	926.4	860.3	812.6	819.0
60°	809.4	817.0	773.8	706.4	702.6
62.5°	681.0	685.4	666.4	596.4	583.1
65°	565.9	561.4	555.7	495.9	484.5
67.5°	471.2	457.8	448.9	412.7	406.9
70°	391.0	370.1	352.3	346.5	340.8
72.5°	316.6	301.4	272.8	288.7	288.0
75°	256.2	242.3	212.4	241.6	244.2
77.5°	209.8	200.3	171.7	198.4	206.6
80°	178.0	158.3	144.3	161.5	172.3
82.5°	136.1	120.8	117.6	124.6	134.8
85°	90.3	84.6	87.1	89.7	96.0
87.5°	45.8	49.0	52.8	57.2	60.4
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	16.4	18.1	16.7	18.5	18.8	15.4	17.2	15.8	17.5	17.9
	3H	17.5	19.1	17.8	19.4	19.8	16.6	18.2	17.0	18.5	18.9
	4H	17.9	19.4	18.3	19.7	20.1	17.0	18.6	17.4	18.9	19.3
	6H	18.2	19.6	18.6	20.0	20.4	17.5	18.9	17.9	19.3	19.7
	8H	18.4	19.7	18.8	20.1	20.5	17.7	19.0	18.1	19.4	19.8
	12H	18.5	19.8	18.9	20.2	20.6	17.9	19.2	18.3	19.5	20.0
4H	2H	16.8	18.3	17.2	18.6	19.0	16.0	17.5	16.4	17.9	18.3
	3H	18.1	19.3	18.5	19.7	20.1	17.3	18.6	17.7	19.0	19.4
	4H	18.6	19.7	19.0	20.1	20.6	17.9	19.1	18.3	19.5	19.9
	6H	19.0	20.1	19.5	20.5	21.0	18.5	19.5	18.9	19.9	20.4
	8H	19.3	20.2	19.7	20.7	21.1	18.8	19.7	19.2	20.1	20.6
	12H	19.5	20.3	19.9	20.8	21.3	19.0	19.9	19.5	20.3	20.8
8H	4H	18.7	19.7	19.2	20.1	20.6	18.1	19.1	18.6	19.5	20.0
	6H	19.3	20.1	19.8	20.6	21.1	18.8	19.6	19.3	20.1	20.6
	8H	19.6	20.3	20.1	20.8	21.3	19.2	19.9	19.7	20.4	20.9
	12H	19.9	20.5	20.4	21.0	21.6	19.5	20.2	20.0	20.7	21.2
12H	4H	18.7	19.6	19.2	20.1	20.5	18.2	19.0	18.6	19.5	20.0
	6H	19.4	20.1	19.9	20.6	21.1	18.9	19.6	19.4	20.1	20.6
	8H	19.7	20.4	20.2	20.8	21.4	19.3	19.9	19.8	20.4	21.0













(END OF REPORT)