

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: P1527344

Luminaire Tested: 24CGSB-45-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527344
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

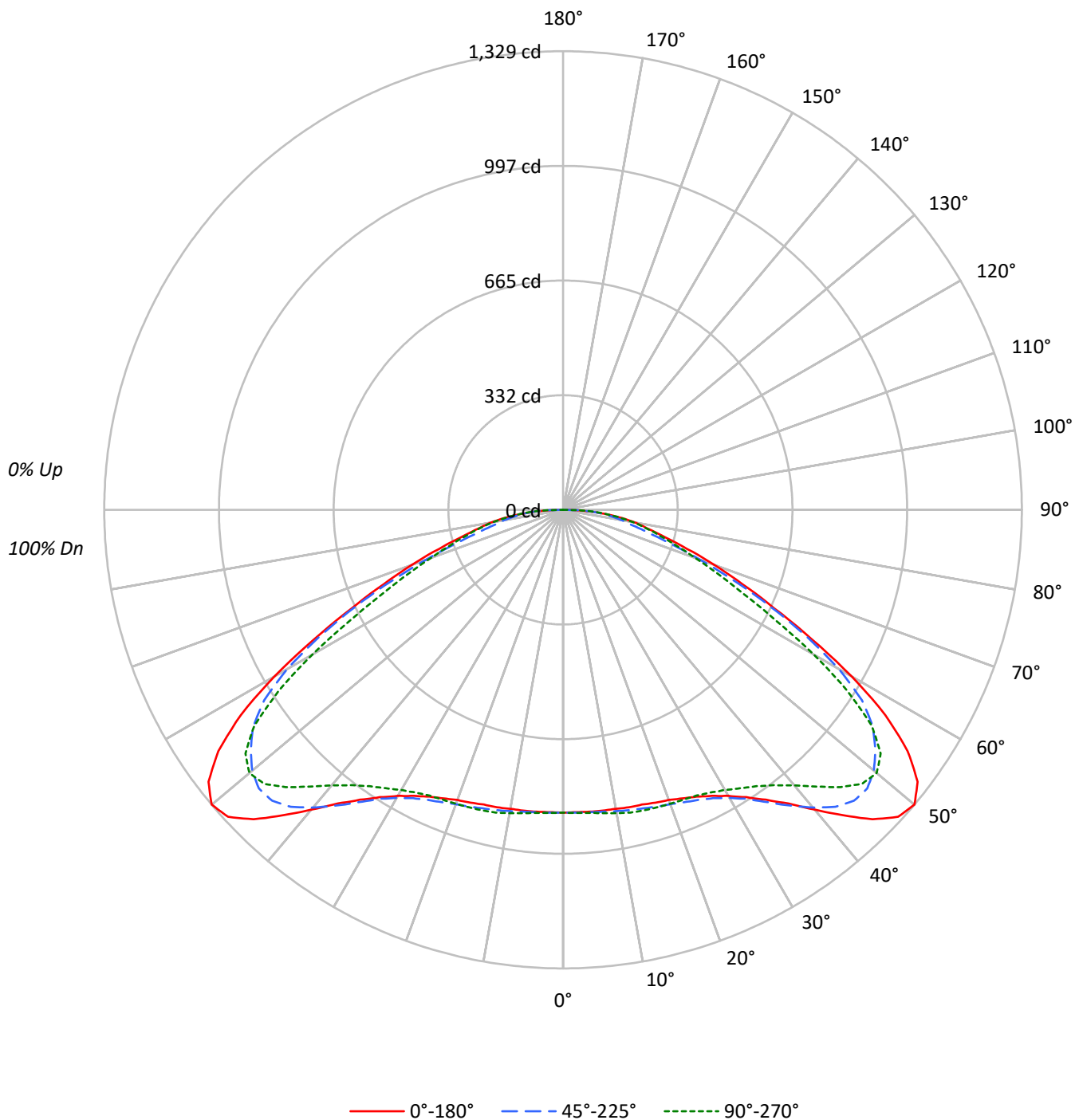
Lumens per Lamp: N/A
Luminaire Lumens: 4380.2 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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							
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°	1181	1181	1181
5°	1186	1188	1190
10°	1202	1211	1220
15°	1232	1248	1256
20°	1281	1300	1298
25°	1361	1377	1357
30°	1487	1498	1456
35°	1684	1699	1606
40°	1991	1978	1830
45°	2413	2269	2162
50°	2781	2461	2483
55°	2859	2571	2562
60°	2598	2484	2255
65°	2149	2110	1840
70°	1835	1653	1599
75°	1589	1317	1514
80°	1646	1334	1592
85°	1663	1604	1768

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	1.9
10°-20°	254.0	5.8
20°-30°	429.0	9.8
30°-40°	645.8	14.7
40°-50°	918.3	21.0
50°-60°	985.5	22.5
60°-70°	642.3	14.7
70°-80°	308.8	7.1
80°-90°	112.4	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°	767.2	17.5
0°-40°	1413.0	32.3
0°-60°	3316.8	75.7
0°-90°	4380.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4380.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	878	879	880	883	881	84
15°	884	889	896	901	902	251
25°	917	925	928	919	914	427
35°	1025	1045	1034	1000	978	651
45°	1268	1237	1192	1161	1136	973
55°	1219	1188	1096	1064	1092	1066
65°	675	670	663	592	578	683
75°	306	289	253	288	291	336
85°	108	101	104	107	114	117
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	877.5	877.5	877.5	877.5	877.5
2.5°	876.7	877.5	878.2	879.0	879.0
5°	878.2	879.0	879.7	882.8	881.3
7.5°	879.0	879.7	882.0	886.6	886.6
10°	879.7	882.0	886.6	891.1	892.6
12.5°	882.8	885.1	891.1	897.2	898.7
15°	884.3	888.8	895.7	901.0	901.7
17.5°	889.6	894.2	901.7	904.0	904.0
20°	894.9	901.0	907.8	907.8	906.3
22.5°	904.8	911.6	916.9	912.4	909.3
25°	916.9	925.3	927.5	919.2	913.9
27.5°	934.4	945.0	941.9	930.6	923.7
30°	957.1	970.8	963.9	947.2	937.4
32.5°	987.4	1004.1	992.7	971.5	956.3
35°	1025.4	1045.1	1034.5	999.6	977.6
37.5°	1072.4	1092.9	1080.0	1035.2	1005.6
40°	1133.8	1144.4	1126.2	1077.7	1042.0
42.5°	1200.6	1195.2	1167.2	1122.4	1087.5
45°	1268.0	1237.0	1192.2	1161.1	1136.1
47.5°	1316.6	1258.9	1195.2	1179.3	1174.8
50°	1328.7	1254.4	1175.5	1169.5	1186.1
52.5°	1294.6	1230.1	1139.9	1129.3	1159.6
55°	1218.8	1187.7	1095.9	1064.0	1092.1
57.5°	1107.3	1105.0	1026.1	969.2	976.8
60°	965.4	974.5	923.0	842.6	838.0
62.5°	812.2	817.6	794.8	711.4	695.5
65°	675.0	669.7	662.8	591.6	577.9
67.5°	562.0	546.0	535.4	492.2	485.4
70°	466.4	441.4	420.2	413.3	406.5
72.5°	377.7	359.5	325.4	344.3	343.6
75°	305.6	289.0	253.3	288.2	291.2
77.5°	250.3	238.9	204.8	236.6	246.5
80°	212.4	188.8	172.2	192.6	205.5
82.5°	162.3	144.1	140.3	148.6	160.8
85°	107.7	100.9	103.9	106.9	114.5
87.5°	54.6	58.4	62.9	68.3	72.0
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	17.0	18.8	17.3	19.1	19.4	16.1	17.8	16.4	18.2	18.5
	3H	18.1	19.7	18.5	20.0	20.4	17.2	18.8	17.6	19.1	19.5
	4H	18.5	20.0	18.9	20.3	20.7	17.7	19.2	18.1	19.5	19.9
	6H	18.8	20.2	19.2	20.6	21.0	18.1	19.5	18.5	19.9	20.3
	8H	19.0	20.3	19.4	20.7	21.1	18.3	19.7	18.7	20.0	20.4
	12H	19.1	20.4	19.5	20.8	21.2	18.5	19.8	18.9	20.2	20.6
4H	2H	17.4	18.9	17.8	19.3	19.6	16.6	18.2	17.0	18.5	18.9
	3H	18.7	19.9	19.1	20.3	20.7	17.9	19.2	18.4	19.6	20.0
	4H	19.2	20.3	19.6	20.7	21.2	18.5	19.7	19.0	20.1	20.5
	6H	19.7	20.7	20.1	21.1	21.6	19.1	20.1	19.6	20.6	21.0
	8H	19.9	20.8	20.3	21.3	21.7	19.4	20.3	19.8	20.8	21.2
	12H	20.1	20.9	20.6	21.4	21.9	19.6	20.5	20.1	20.9	21.4
8H	4H	19.3	20.3	19.8	20.7	21.2	18.7	19.7	19.2	20.1	20.6
	6H	19.9	20.7	20.4	21.2	21.7	19.4	20.2	19.9	20.7	21.2
	8H	20.2	20.9	20.7	21.4	21.9	19.8	20.5	20.3	21.0	21.5
	12H	20.5	21.2	21.0	21.6	22.2	20.1	20.8	20.7	21.3	21.8
12H	4H	19.4	20.2	19.8	20.7	21.2	18.8	19.6	19.2	20.1	20.6
	6H	20.0	20.7	20.5	21.2	21.7	19.5	20.2	20.0	20.7	21.2
	8H	20.3	21.0	20.8	21.5	22.0	19.9	20.6	20.4	21.0	21.6













(END OF REPORT)