

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: P1584110

Luminaire Tested: 14CGSB-45-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584110
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

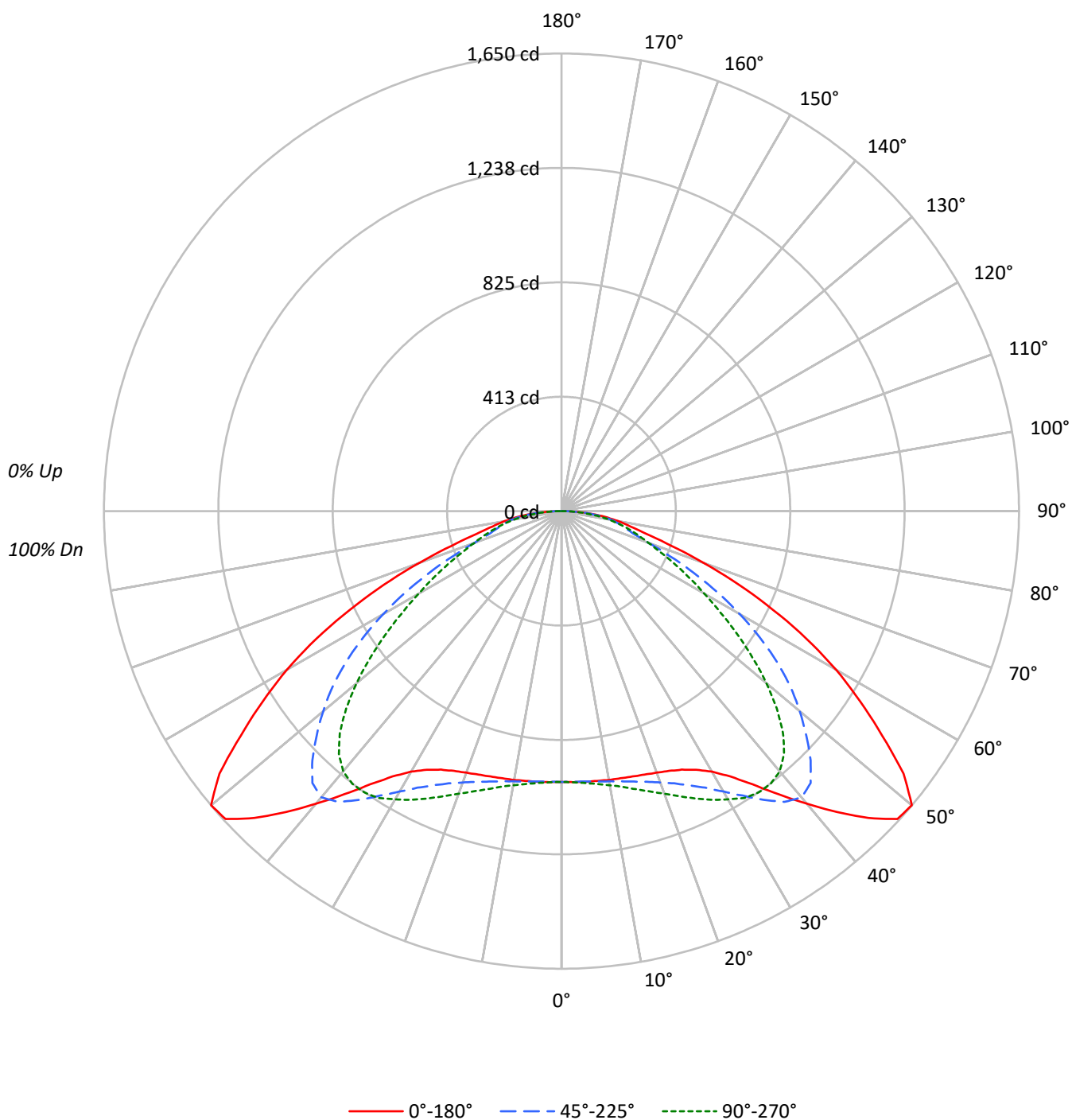
Lumens per Lamp: N/A
Luminaire Lumens: 4572.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2627	2627	2627
5°	2646	2643	2658
10°	2688	2703	2742
15°	2759	2812	2891
20°	2874	2981	3105
25°	3053	3237	3394
30°	3369	3627	3729
35°	3950	4174	4069
40°	4835	4733	4301
45°	5954	4836	4300
50°	6905	4696	4039
55°	6625	4452	3633
60°	6155	3994	3199
65°	5361	3346	2866
70°	4289	2630	2630
75°	3291	2494	2612
80°	3230	2881	2659
85°	3245	3189	2603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 6905 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	2.1
10°-20°	288.2	6.3
20°-30°	507.2	11.1
30°-40°	785.7	17.2
40°-50°	1000.9	21.9
50°-60°	910.7	19.9
60°-70°	590.6	12.9
70°-80°	287.3	6.3
80°-90°	107.6	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°	889.3	19.5
0°-40°	1675.0	36.6
0°-60°	3586.6	78.4
0°-90°	4572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	980	981	978	980	984	94
15°	990	997	1009	1028	1038	281
25°	1028	1050	1090	1129	1143	480
35°	1202	1255	1271	1250	1239	766
45°	1565	1468	1271	1160	1130	1202
55°	1412	1239	949	818	774	1261
65°	842	746	526	455	450	834
75°	316	290	240	229	251	359
85°	105	115	103	94	84	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	976.2	976.2	976.2	976.2	976.2
2.5°	978.0	979.1	976.2	976.8	978.5
5°	979.7	980.9	978.5	980.3	983.9
7.5°	980.9	983.3	983.3	987.5	992.2
10°	983.9	986.3	989.2	997.6	1003.5
12.5°	986.3	990.4	997.6	1011.2	1017.7
15°	990.4	997.0	1009.4	1028.4	1037.9
17.5°	995.8	1005.3	1023.1	1048.0	1059.3
20°	1003.5	1016.0	1040.9	1070.6	1084.2
22.5°	1013.6	1030.2	1062.3	1097.3	1112.2
25°	1028.4	1049.8	1090.2	1128.8	1143.0
27.5°	1051.0	1077.7	1124.0	1162.6	1173.3
30°	1084.2	1117.5	1167.4	1194.1	1200.0
32.5°	1133.5	1176.3	1216.1	1225.0	1226.2
35°	1202.4	1254.7	1270.7	1249.9	1238.6
37.5°	1286.7	1344.9	1321.2	1259.4	1239.2
40°	1376.4	1423.9	1347.3	1251.7	1224.4
42.5°	1471.4	1469.0	1329.5	1217.8	1188.2
45°	1564.6	1468.4	1270.7	1159.7	1130.0
47.5°	1643.0	1423.9	1197.7	1087.8	1052.8
50°	1649.5	1365.7	1121.7	1000.5	964.9
52.5°	1554.5	1308.1	1041.5	910.3	869.3
55°	1412.0	1238.6	948.9	817.6	774.3
57.5°	1277.2	1147.8	847.9	722.0	679.3
60°	1143.6	1030.8	742.2	629.4	594.4
62.5°	995.8	894.8	634.2	537.4	519.0
65°	842.0	745.8	525.5	455.4	450.1
67.5°	692.9	604.5	421.6	378.2	384.8
70°	545.1	477.4	334.3	324.2	334.3
72.5°	414.5	376.5	272.0	274.3	291.0
75°	316.5	289.8	239.9	228.6	251.2
77.5°	253.5	236.3	212.6	195.9	212.6
80°	208.4	204.3	185.9	166.3	171.6
82.5°	157.4	160.3	146.1	136.0	129.4
85°	105.1	114.6	103.3	94.4	84.3
87.5°	52.8	64.1	54.6	48.7	43.3
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	19.7	21.4	20.1	21.8	22.1	16.3	18.0	16.6	18.3	18.6
	3H	21.0	22.6	21.4	22.9	23.2	17.5	19.1	17.9	19.4	19.8
	4H	21.4	22.8	21.7	23.2	23.5	18.1	19.6	18.5	19.9	20.3
	6H	21.7	23.0	22.1	23.4	23.8	18.7	20.0	19.1	20.4	20.8
	8H	21.8	23.1	22.2	23.5	23.9	18.9	20.2	19.3	20.6	21.0
	12H	21.9	23.1	22.3	23.5	24.0	19.1	20.3	19.5	20.7	21.1
4H	2H	19.9	21.3	20.3	21.7	22.1	16.9	18.4	17.3	18.7	19.1
	3H	21.3	22.6	21.7	23.0	23.4	18.4	19.6	18.8	20.0	20.4
	4H	21.8	22.9	22.2	23.3	23.8	19.0	20.2	19.5	20.6	21.0
	6H	22.3	23.2	22.7	23.7	24.1	19.7	20.7	20.2	21.1	21.6
	8H	22.5	23.4	22.9	23.8	24.3	20.0	20.9	20.5	21.4	21.9
	12H	22.7	23.5	23.1	23.9	24.4	20.3	21.1	20.8	21.6	22.0
8H	4H	21.9	22.8	22.4	23.3	23.7	19.4	20.3	19.8	20.7	21.2
	6H	22.5	23.3	23.0	23.8	24.2	20.2	21.0	20.7	21.5	22.0
	8H	22.8	23.5	23.3	24.0	24.5	20.6	21.3	21.1	21.8	22.3
	12H	23.1	23.7	23.6	24.2	24.7	21.0	21.6	21.5	22.1	22.7
12H	4H	21.9	22.8	22.4	23.2	23.7	19.5	20.3	19.9	20.8	21.2
	6H	22.5	23.2	23.1	23.7	24.2	20.4	21.1	20.9	21.5	22.1
	8H	22.9	23.5	23.4	24.0	24.6	20.8	21.5	21.3	21.9	22.5













(END OF REPORT)