

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: P1584111

Luminaire Tested: 14CGSB-45-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584111
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

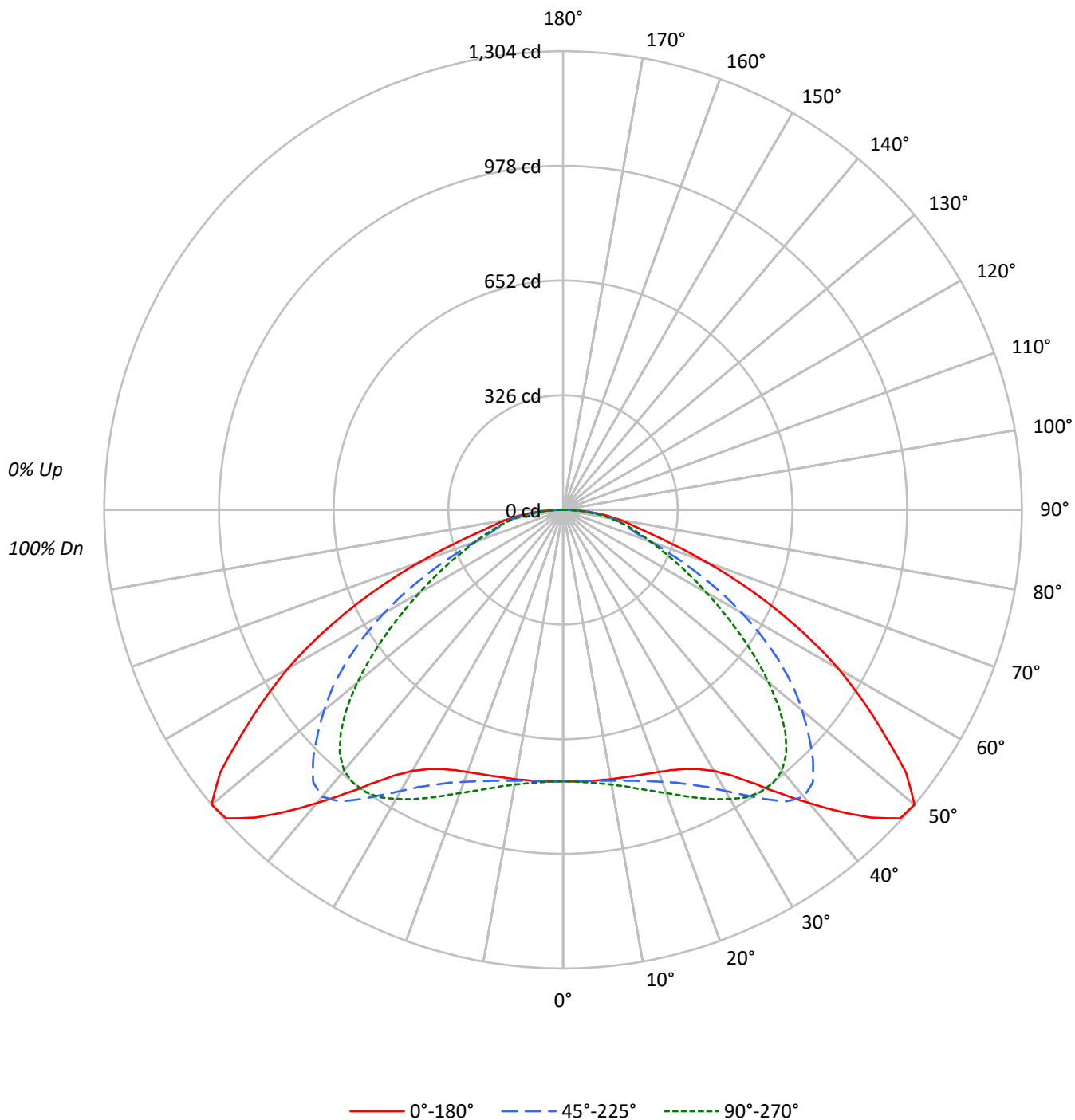
Lumens per Lamp: N/A
Luminaire Lumens: 3614.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2076	2076	2076
5°	2092	2089	2101
10°	2125	2137	2167
15°	2181	2223	2286
20°	2271	2356	2454
25°	2414	2559	2683
30°	2663	2867	2948
35°	3122	3300	3216
40°	3822	3741	3400
45°	4707	3823	3399
50°	5459	3712	3193
55°	5237	3519	2872
60°	4865	3158	2528
65°	4238	2645	2266
70°	3390	2079	2079
75°	2601	1971	2064
80°	2552	2276	2101
85°	2566	2523	2059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	2.1
10°-20°	227.8	6.3
20°-30°	400.9	11.1
30°-40°	621.1	17.2
40°-50°	791.2	21.9
50°-60°	719.9	19.9
60°-70°	466.8	12.9
70°-80°	227.1	6.3
80°-90°	85.1	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°	703.0	19.5
0°-40°	1324.0	36.6
0°-60°	2835.1	78.4
0°-90°	3614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	774	775	774	775	778	74
15°	783	788	798	813	820	222
25°	813	830	862	892	904	379
35°	950	992	1004	988	979	605
45°	1237	1161	1004	917	893	950
55°	1116	979	750	646	612	996
65°	666	590	415	360	356	659
75°	250	229	190	181	198	284
85°	83	91	82	75	67	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	771.6	771.6	771.6	771.6	771.6
2.5°	773.1	774.0	771.6	772.1	773.5
5°	774.5	775.4	773.5	774.9	777.7
7.5°	775.4	777.3	777.3	780.6	784.3
10°	777.7	779.6	782.0	788.5	793.2
12.5°	779.6	782.9	788.5	799.3	804.5
15°	782.9	788.1	797.9	812.9	820.5
17.5°	787.1	794.6	808.7	828.4	837.4
20°	793.2	803.1	822.8	846.3	857.1
22.5°	801.2	814.4	839.7	867.4	879.1
25°	812.9	829.8	861.8	892.3	903.5
27.5°	830.8	851.9	888.5	919.0	927.5
30°	857.1	883.4	922.8	943.9	948.6
32.5°	896.0	929.8	961.3	968.3	969.2
35°	950.5	991.8	1004.5	988.0	979.1
37.5°	1017.1	1063.1	1044.3	995.5	979.6
40°	1088.0	1125.5	1065.0	989.4	967.8
42.5°	1163.1	1161.2	1050.9	962.7	939.2
45°	1236.8	1160.7	1004.5	916.7	893.2
47.5°	1298.7	1125.5	946.7	859.9	832.2
50°	1303.9	1079.5	886.6	790.9	762.7
52.5°	1228.8	1034.0	823.3	719.5	687.2
55°	1116.2	979.1	750.1	646.3	612.1
57.5°	1009.6	907.3	670.3	570.8	537.0
60°	904.0	814.8	586.7	497.5	469.8
62.5°	787.1	707.3	501.3	424.8	410.2
65°	665.6	589.5	415.4	360.0	355.8
67.5°	547.8	477.8	333.3	299.0	304.2
70°	430.9	377.4	264.3	256.3	264.3
72.5°	327.6	297.6	215.0	216.8	230.0
75°	250.2	229.1	189.6	180.7	198.5
77.5°	200.4	186.8	168.0	154.9	168.0
80°	164.7	161.5	146.9	131.4	135.6
82.5°	124.4	126.7	115.5	107.5	102.3
85°	83.1	90.6	81.7	74.6	66.7
87.5°	41.8	50.7	43.2	38.5	34.3
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	18.9	20.6	19.3	20.9	21.3	15.4	17.2	15.8	17.5	17.8
	3H	20.2	21.7	20.6	22.1	22.4	16.7	18.3	17.1	18.6	19.0
	4H	20.5	22.0	20.9	22.4	22.7	17.3	18.8	17.7	19.1	19.5
	6H	20.8	22.2	21.2	22.6	23.0	17.8	19.2	18.3	19.6	20.0
	8H	21.0	22.3	21.4	22.7	23.1	18.1	19.4	18.5	19.8	20.2
	12H	21.1	22.3	21.5	22.7	23.1	18.2	19.5	18.7	19.9	20.3
4H	2H	19.1	20.5	19.5	20.9	21.3	16.1	17.6	16.5	17.9	18.3
	3H	20.5	21.8	20.9	22.2	22.6	17.6	18.8	18.0	19.2	19.6
	4H	21.0	22.1	21.4	22.5	23.0	18.2	19.3	18.7	19.8	20.2
	6H	21.5	22.4	21.9	22.9	23.3	18.9	19.9	19.4	20.3	20.8
	8H	21.7	22.6	22.1	23.0	23.5	19.2	20.1	19.7	20.6	21.0
	12H	21.8	22.7	22.3	23.1	23.6	19.5	20.3	19.9	20.8	21.2
8H	4H	21.1	22.0	21.6	22.5	22.9	18.6	19.5	19.0	19.9	20.4
	6H	21.7	22.4	22.2	22.9	23.4	19.4	20.2	19.9	20.7	21.1
	8H	22.0	22.7	22.5	23.2	23.7	19.8	20.5	20.3	21.0	21.5
	12H	22.3	22.9	22.8	23.4	23.9	20.2	20.8	20.7	21.3	21.8
12H	4H	21.1	21.9	21.6	22.4	22.9	18.6	19.5	19.1	19.9	20.4
	6H	21.7	22.4	22.2	22.9	23.4	19.5	20.2	20.1	20.7	21.2
	8H	22.1	22.7	22.6	23.2	23.7	20.0	20.6	20.5	21.1	21.7













(END OF REPORT)