

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: P1584113

Luminaire Tested: 14CGSB-45-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584113
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

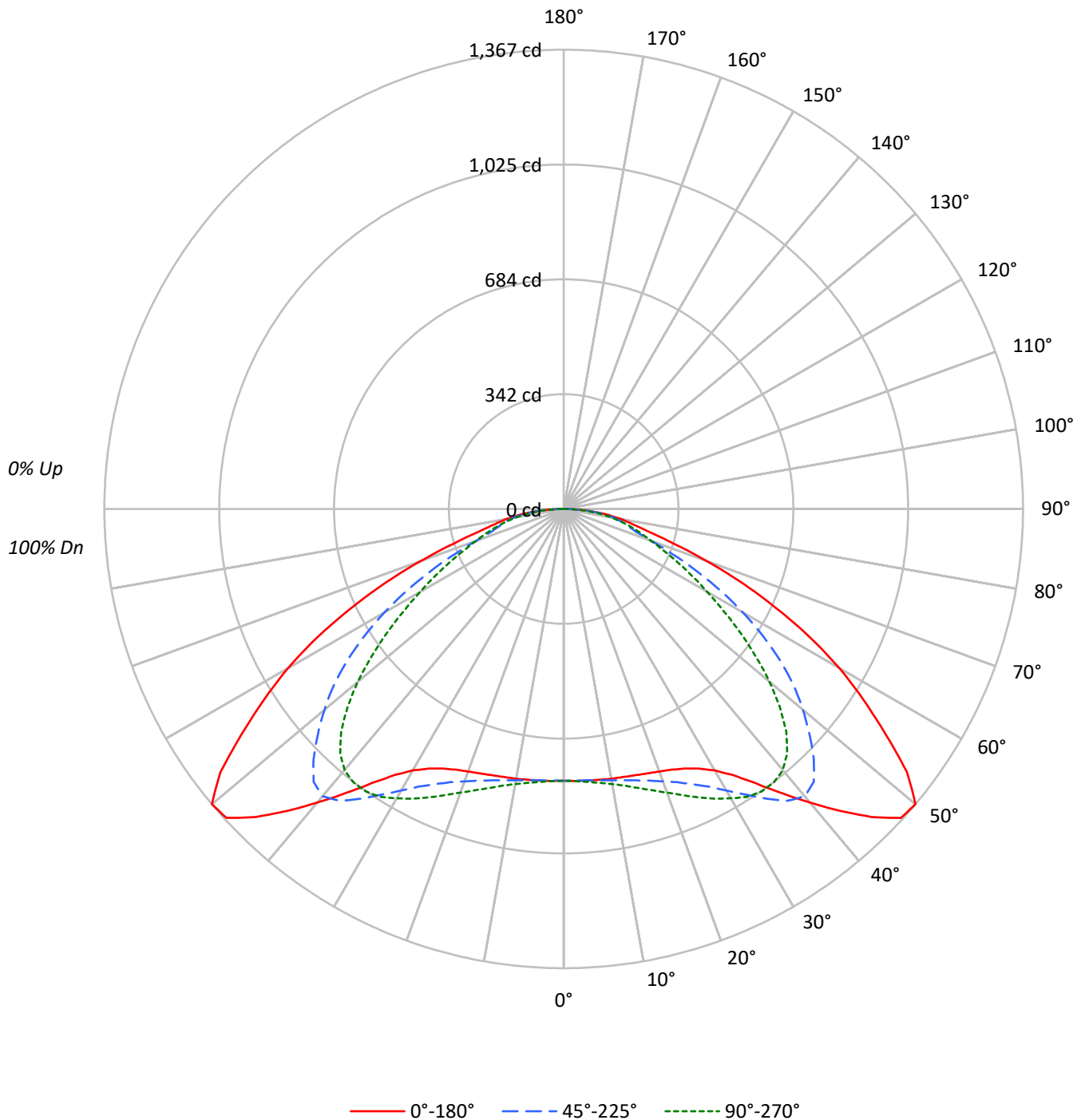
Lumens per Lamp: N/A
Luminaire Lumens: 3788.2 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2176	2176	2176
5°	2193	2190	2202
10°	2228	2240	2272
15°	2286	2330	2396
20°	2381	2470	2573
25°	2530	2682	2812
30°	2792	3006	3090
35°	3273	3459	3371
40°	4006	3921	3564
45°	4934	4007	3563
50°	5722	3891	3347
55°	5489	3689	3010
60°	5100	3310	2651
65°	4442	2772	2374
70°	3553	2179	2179
75°	2726	2067	2164
80°	2676	2386	2204
85°	2689	2643	2158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	2.1
10°-20°	238.8	6.3
20°-30°	420.2	11.1
30°-40°	651.0	17.2
40°-50°	829.3	21.9
50°-60°	754.6	19.9
60°-70°	489.3	12.9
70°-80°	238.0	6.3
80°-90°	89.2	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°	736.9	19.5
0°-40°	1387.8	36.6
0°-60°	2971.7	78.4
0°-90°	3788.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3788.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	812	813	811	812	815	78
15°	821	826	836	852	860	233
25°	852	870	903	935	947	398
35°	996	1040	1053	1036	1026	635
45°	1296	1217	1053	961	936	996
55°	1170	1026	786	678	642	1044
65°	698	618	435	377	373	691
75°	262	240	199	189	208	297
85°	87	95	86	78	70	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.8	808.8	808.8	808.8	808.8
2.5°	810.3	811.3	808.8	809.3	810.8
5°	811.8	812.8	810.8	812.3	815.2
7.5°	812.8	814.7	814.7	818.2	822.1
10°	815.2	817.2	819.7	826.5	831.5
12.5°	817.2	820.6	826.5	837.9	843.3
15°	820.6	826.1	836.4	852.1	860.0
17.5°	825.1	832.9	847.7	868.4	877.7
20°	831.5	841.8	862.5	887.1	898.4
22.5°	839.8	853.6	880.2	909.2	921.5
25°	852.1	869.8	903.3	935.3	947.1
27.5°	870.8	893.0	931.3	963.3	972.2
30°	898.4	925.9	967.3	989.4	994.3
32.5°	939.2	974.6	1007.6	1015.0	1016.0
35°	996.3	1039.6	1052.9	1035.6	1026.3
37.5°	1066.1	1114.4	1094.7	1043.5	1026.8
40°	1140.4	1179.8	1116.3	1037.1	1014.5
42.5°	1219.1	1217.2	1101.6	1009.1	984.5
45°	1296.4	1216.7	1052.9	960.9	936.3
47.5°	1361.3	1179.8	992.3	901.3	872.3
50°	1366.7	1131.6	929.4	829.0	799.5
52.5°	1288.0	1083.9	862.9	754.2	720.3
55°	1170.0	1026.3	786.2	677.5	641.6
57.5°	1058.3	951.0	702.6	598.3	562.8
60°	947.6	854.1	615.0	521.5	492.5
62.5°	825.1	741.4	525.4	445.3	430.0
65°	697.6	617.9	435.4	377.4	372.9
67.5°	574.2	500.8	349.3	313.4	318.8
70°	451.6	395.6	277.0	268.6	277.0
72.5°	343.4	311.9	225.3	227.3	241.1
75°	262.2	240.1	198.8	189.4	208.1
77.5°	210.1	195.8	176.1	162.4	176.1
80°	172.7	169.2	154.0	137.8	142.2
82.5°	130.4	132.8	121.0	112.7	107.3
85°	87.1	95.0	85.6	78.2	69.9
87.5°	43.8	53.1	45.3	40.3	35.9
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	19.1	20.8	19.4	21.1	21.4	15.6	17.3	16.0	17.7	18.0
	3H	20.3	21.9	20.7	22.2	22.6	16.9	18.5	17.3	18.8	19.1
	4H	20.7	22.2	21.1	22.5	22.9	17.5	18.9	17.9	19.3	19.7
	6H	21.0	22.4	21.4	22.7	23.1	18.0	19.4	18.4	19.7	20.1
	8H	21.1	22.4	21.6	22.8	23.2	18.2	19.5	18.7	19.9	20.3
	12H	21.2	22.5	21.7	22.9	23.3	18.4	19.7	18.8	20.0	20.5
4H	2H	19.2	20.7	19.6	21.0	21.4	16.3	17.7	16.7	18.1	18.5
	3H	20.7	21.9	21.1	22.3	22.7	17.7	19.0	18.1	19.4	19.8
	4H	21.2	22.3	21.6	22.7	23.1	18.4	19.5	18.8	19.9	20.4
	6H	21.6	22.6	22.1	23.0	23.5	19.1	20.1	19.5	20.5	20.9
	8H	21.8	22.7	22.3	23.2	23.6	19.4	20.3	19.8	20.7	21.2
	12H	22.0	22.8	22.5	23.3	23.8	19.6	20.5	20.1	20.9	21.4
8H	4H	21.3	22.2	21.7	22.6	23.1	18.7	19.7	19.2	20.1	20.6
	6H	21.8	22.6	22.3	23.1	23.6	19.6	20.3	20.1	20.8	21.3
	8H	22.1	22.8	22.6	23.3	23.8	20.0	20.7	20.5	21.2	21.7
	12H	22.4	23.0	22.9	23.5	24.1	20.3	21.0	20.9	21.5	22.0
12H	4H	21.3	22.1	21.8	22.6	23.0	18.8	19.6	19.3	20.1	20.6
	6H	21.9	22.6	22.4	23.0	23.6	19.7	20.4	20.2	20.9	21.4
	8H	22.2	22.9	22.7	23.3	23.9	20.2	20.8	20.7	21.3	21.8













(END OF REPORT)