

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: P1584118

Luminaire Tested: 14CGSB-50-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584118
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-50-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

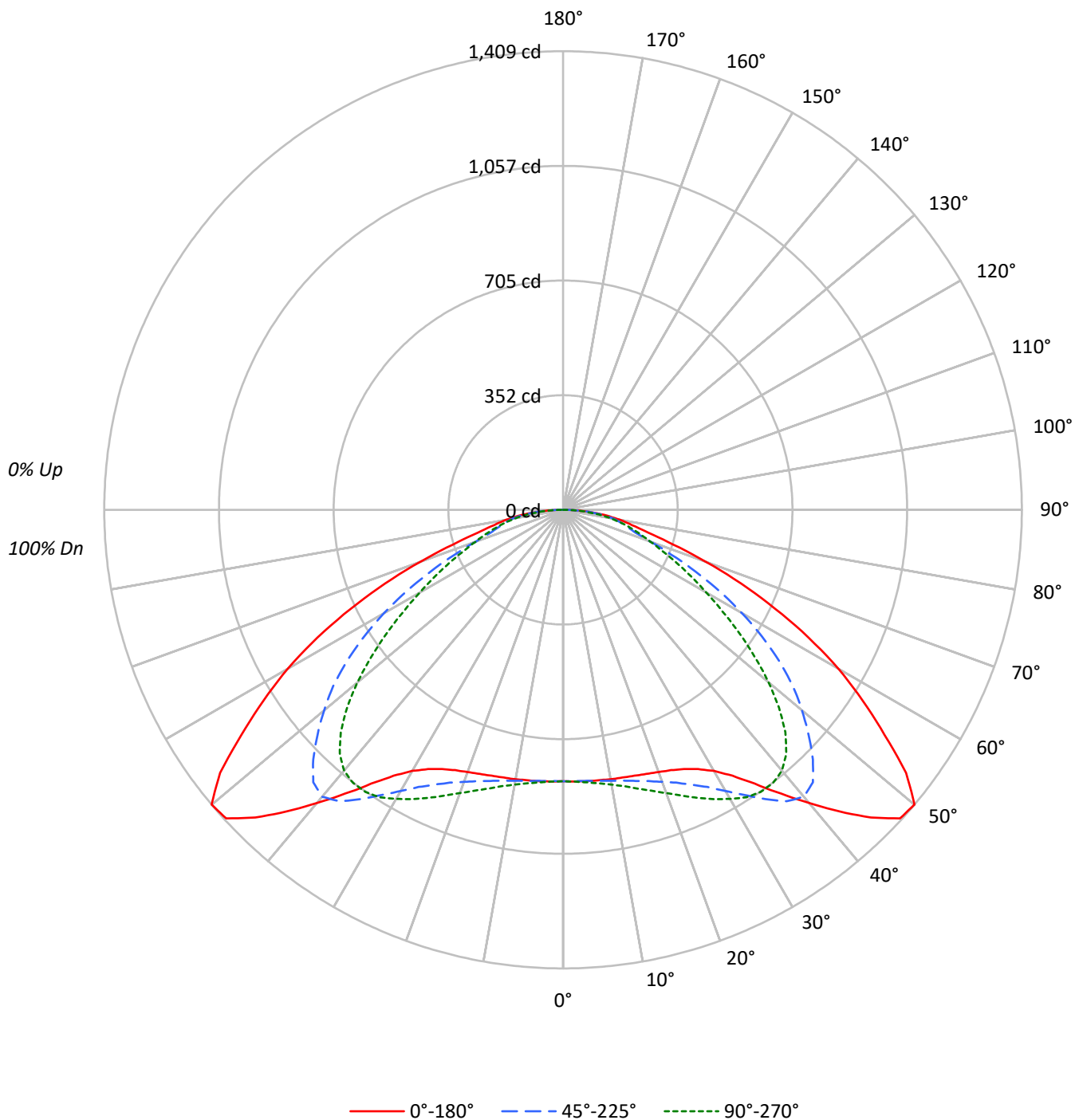
Lumens per Lamp: N/A
Luminaire Lumens: 3905.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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°	2244	2244	2244
5°	2260	2258	2270
10°	2296	2309	2342
15°	2357	2402	2470
20°	2454	2546	2652
25°	2608	2765	2899
30°	2878	3098	3185
35°	3374	3565	3475
40°	4130	4042	3674
45°	5086	4130	3673
50°	5898	4011	3450
55°	5658	3802	3103
60°	5257	3412	2732
65°	4579	2858	2448
70°	3663	2246	2246
75°	2810	2130	2230
80°	2758	2459	2272
85°	2773	2723	2223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	2.1
10°-20°	246.1	6.3
20°-30°	433.2	11.1
30°-40°	671.1	17.2
40°-50°	854.9	21.9
50°-60°	777.8	19.9
60°-70°	504.4	12.9
70°-80°	245.3	6.3
80°-90°	91.9	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°	759.6	19.5
0°-40°	1430.6	36.6
0°-60°	3063.3	78.4
0°-90°	3905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3905.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	837	838	836	837	840	80
15°	846	852	862	878	886	240
25°	878	897	931	964	976	410
35°	1027	1072	1085	1068	1058	654
45°	1336	1254	1085	990	965	1027
55°	1206	1058	810	698	661	1077
65°	719	637	449	389	384	712
75°	270	248	205	195	214	306
85°	90	98	88	81	72	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	833.8	833.8	833.8	833.8	833.8
2.5°	835.3	836.3	833.8	834.3	835.8
5°	836.8	837.8	835.8	837.3	840.4
7.5°	837.8	839.9	839.9	843.4	847.5
10°	840.4	842.4	844.9	852.0	857.1
12.5°	842.4	845.9	852.0	863.7	869.3
15°	845.9	851.5	862.2	878.4	886.5
17.5°	850.5	858.6	873.8	895.1	904.8
20°	857.1	867.7	889.0	914.4	926.1
22.5°	865.7	879.9	907.3	937.2	949.9
25°	878.4	896.7	931.1	964.1	976.3
27.5°	897.7	920.5	960.0	993.0	1002.1
30°	926.1	954.5	997.1	1019.9	1025.0
32.5°	968.2	1004.7	1038.7	1046.3	1047.3
35°	1027.0	1071.6	1085.3	1067.6	1057.9
37.5°	1099.0	1148.7	1128.4	1075.7	1058.4
40°	1175.6	1216.2	1150.7	1069.1	1045.8
42.5°	1256.7	1254.7	1135.5	1040.2	1014.8
45°	1336.4	1254.2	1085.3	990.5	965.1
47.5°	1403.3	1216.2	1022.9	929.1	899.2
50°	1408.9	1166.5	958.0	854.6	824.1
52.5°	1327.7	1117.3	889.6	777.5	742.5
55°	1206.0	1057.9	810.4	698.4	661.3
57.5°	1090.9	980.3	724.2	616.7	580.2
60°	976.8	880.4	633.9	537.6	507.7
62.5°	850.5	764.3	541.6	459.0	443.3
65°	719.1	637.0	448.8	389.0	384.4
67.5°	591.9	516.3	360.1	323.1	328.6
70°	465.6	407.8	285.5	276.9	285.5
72.5°	354.0	321.5	232.3	234.3	248.5
75°	270.3	247.5	204.9	195.3	214.5
77.5°	216.6	201.8	181.6	167.4	181.6
80°	178.0	174.5	158.7	142.0	146.6
82.5°	134.4	136.9	124.8	116.1	110.6
85°	89.8	97.9	88.2	80.6	72.0
87.5°	45.1	54.8	46.7	41.6	37.0
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	19.2	20.9	19.5	21.2	21.5	15.7	17.4	16.1	17.8	18.1
	3H	20.4	22.0	20.8	22.3	22.7	17.0	18.6	17.4	18.9	19.2
	4H	20.8	22.3	21.2	22.6	23.0	17.6	19.0	18.0	19.4	19.8
	6H	21.1	22.5	21.5	22.8	23.2	18.1	19.5	18.5	19.8	20.2
	8H	21.2	22.5	21.7	22.9	23.3	18.3	19.6	18.8	20.0	20.4
	12H	21.3	22.6	21.8	23.0	23.4	18.5	19.8	18.9	20.1	20.6
4H	2H	19.3	20.8	19.7	21.1	21.5	16.4	17.9	16.8	18.2	18.6
	3H	20.8	22.0	21.2	22.4	22.8	17.8	19.1	18.2	19.5	19.9
	4H	21.3	22.4	21.7	22.8	23.2	18.5	19.6	18.9	20.0	20.5
	6H	21.7	22.7	22.2	23.1	23.6	19.2	20.2	19.6	20.6	21.1
	8H	21.9	22.8	22.4	23.3	23.7	19.5	20.4	19.9	20.8	21.3
	12H	22.1	22.9	22.6	23.4	23.9	19.7	20.6	20.2	21.0	21.5
8H	4H	21.4	22.3	21.8	22.7	23.2	18.8	19.8	19.3	20.2	20.7
	6H	22.0	22.7	22.4	23.2	23.7	19.7	20.5	20.2	20.9	21.4
	8H	22.2	22.9	22.8	23.4	23.9	20.1	20.8	20.6	21.3	21.8
	12H	22.5	23.1	23.0	23.6	24.2	20.5	21.1	21.0	21.6	22.1
12H	4H	21.4	22.2	21.9	22.7	23.2	18.9	19.7	19.4	20.2	20.7
	6H	22.0	22.7	22.5	23.2	23.7	19.8	20.5	20.3	21.0	21.5
	8H	22.3	23.0	22.8	23.4	24.0	20.3	20.9	20.8	21.4	21.9













(END OF REPORT)