

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: P1584115

Luminaire Tested: 14CGSB-50-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584115
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

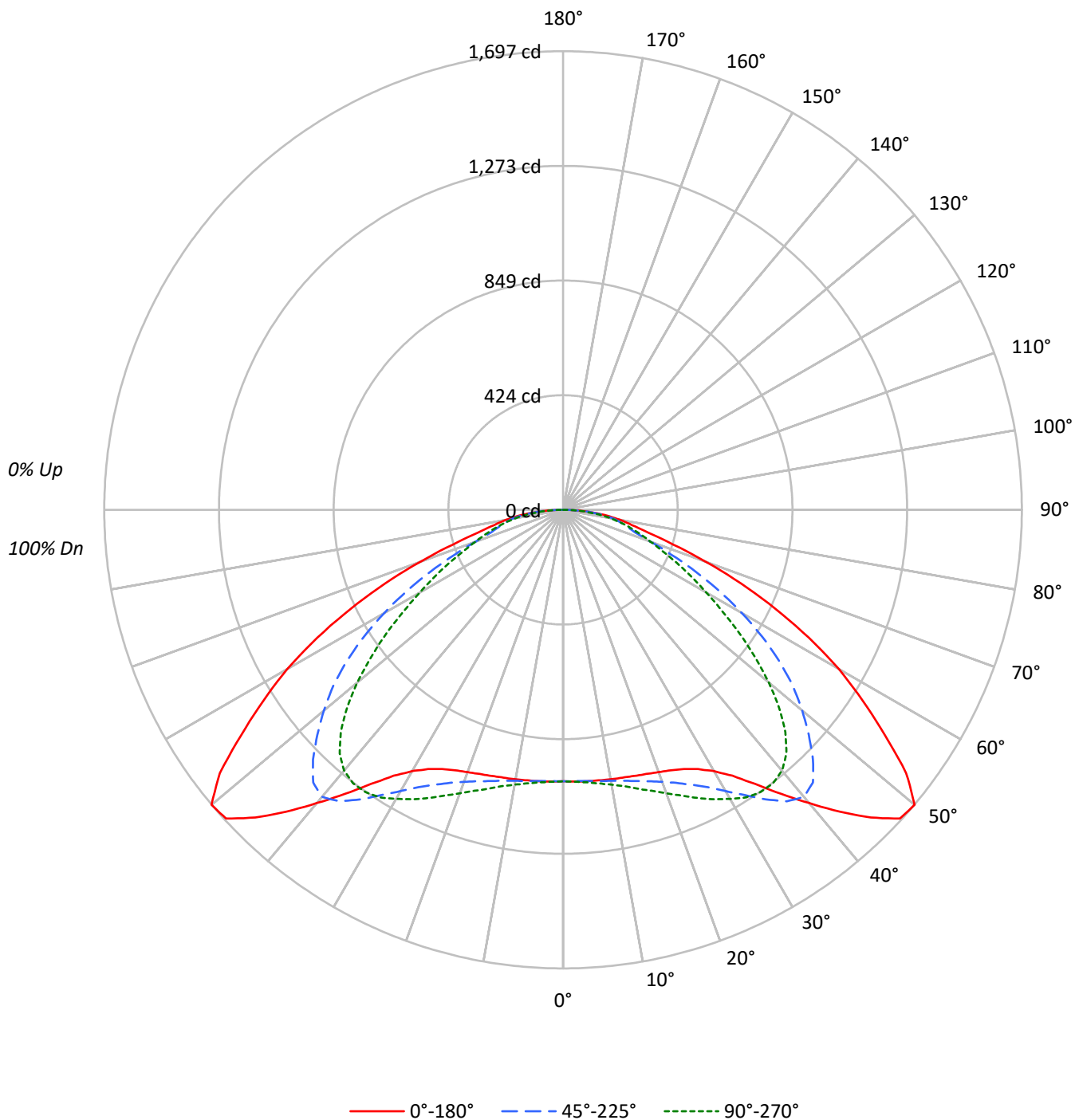
Lumens per Lamp: N/A
Luminaire Lumens: 4704.8 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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							
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°	2703	2703	2703
5°	2723	2720	2735
10°	2767	2782	2822
15°	2839	2894	2976
20°	2957	3067	3195
25°	3142	3331	3492
30°	3467	3733	3837
35°	4065	4296	4187
40°	4976	4870	4426
45°	6127	4976	4425
50°	7106	4832	4157
55°	6817	4581	3738
60°	6333	4111	3292
65°	5517	3443	2949
70°	4413	2707	2707
75°	3386	2567	2688
80°	3324	2965	2737
85°	3341	3282	2680

MAXIMUM LUMINANCE 45°-90°:

Luminance: 7106 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	2.1
10°-20°	296.5	6.3
20°-30°	521.9	11.1
30°-40°	808.5	17.2
40°-50°	1030.0	21.9
50°-60°	937.1	19.9
60°-70°	607.7	12.9
70°-80°	295.6	6.3
80°-90°	110.7	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°	915.1	19.5
0°-40°	1723.6	36.6
0°-60°	3690.7	78.4
0°-90°	4704.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4704.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	1008	1009	1007	1009	1012	96
15°	1019	1026	1039	1058	1068	290
25°	1058	1080	1122	1162	1176	494
35°	1237	1291	1308	1286	1275	788
45°	1610	1511	1308	1193	1163	1237
55°	1453	1275	976	841	797	1297
65°	866	768	541	469	463	858
75°	326	298	247	235	258	369
85°	108	118	106	97	87	117
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1004.5	1004.5	1004.5	1004.5	1004.5
2.5°	1006.4	1007.6	1004.5	1005.1	1007.0
5°	1008.2	1009.4	1007.0	1008.8	1012.5
7.5°	1009.4	1011.9	1011.9	1016.1	1021.0
10°	1012.5	1014.9	1018.0	1026.5	1032.6
12.5°	1014.9	1019.2	1026.5	1040.6	1047.3
15°	1019.2	1025.9	1038.8	1058.3	1068.1
17.5°	1024.7	1034.5	1052.8	1078.5	1090.1
20°	1032.6	1045.5	1071.1	1101.7	1115.7
22.5°	1043.0	1060.1	1093.1	1129.2	1144.5
25°	1058.3	1080.3	1121.9	1161.6	1176.2
27.5°	1081.5	1109.0	1156.7	1196.4	1207.4
30°	1115.7	1150.0	1201.3	1228.8	1234.9
32.5°	1166.5	1210.5	1251.4	1260.6	1261.8
35°	1237.3	1291.1	1307.6	1286.2	1274.6
37.5°	1324.1	1384.0	1359.5	1296.0	1275.2
40°	1416.4	1465.3	1386.4	1288.1	1259.9
42.5°	1514.1	1511.7	1368.1	1253.2	1222.7
45°	1610.1	1511.1	1307.6	1193.3	1162.8
47.5°	1690.7	1465.3	1232.5	1119.4	1083.4
50°	1697.4	1405.4	1154.2	1029.6	992.9
52.5°	1599.7	1346.1	1071.8	936.7	894.6
55°	1453.0	1274.6	976.4	841.4	796.8
57.5°	1314.3	1181.1	872.6	743.0	699.0
60°	1176.8	1060.8	763.8	647.7	611.6
62.5°	1024.7	920.8	652.6	553.0	534.0
65°	866.4	767.5	540.8	468.7	463.2
67.5°	713.1	622.0	433.8	389.2	395.9
70°	560.9	491.3	344.0	333.6	344.0
72.5°	426.5	387.4	279.9	282.3	299.4
75°	325.7	298.2	246.9	235.2	258.5
77.5°	260.9	243.2	218.7	201.6	218.7
80°	214.5	210.2	191.3	171.1	176.6
82.5°	161.9	165.0	150.3	139.9	133.2
85°	108.2	117.9	106.3	97.2	86.8
87.5°	54.4	66.0	56.2	50.1	44.6
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	19.8	21.5	20.2	21.9	22.2	16.4	18.1	16.7	18.4	18.7
	3H	21.1	22.7	21.5	23.0	23.3	17.6	19.2	18.0	19.5	19.9
	4H	21.5	22.9	21.8	23.3	23.6	18.2	19.7	18.6	20.0	20.4
	6H	21.8	23.1	22.2	23.5	23.9	18.8	20.1	19.2	20.5	20.9
	8H	21.9	23.2	22.3	23.6	24.0	19.0	20.3	19.4	20.7	21.1
	12H	22.0	23.2	22.4	23.6	24.1	19.2	20.4	19.6	20.8	21.2
4H	2H	20.0	21.4	20.4	21.8	22.2	17.0	18.5	17.4	18.8	19.2
	3H	21.4	22.7	21.8	23.1	23.5	18.5	19.7	18.9	20.1	20.5
	4H	21.9	23.0	22.3	23.4	23.9	19.1	20.3	19.6	20.7	21.1
	6H	22.4	23.3	22.8	23.8	24.2	19.8	20.8	20.3	21.2	21.7
	8H	22.6	23.5	23.0	23.9	24.4	20.1	21.0	20.6	21.5	22.0
	12H	22.8	23.6	23.2	24.0	24.5	20.4	21.2	20.9	21.7	22.1
8H	4H	22.0	22.9	22.5	23.4	23.8	19.5	20.4	19.9	20.8	21.3
	6H	22.6	23.4	23.1	23.8	24.3	20.3	21.1	20.8	21.6	22.1
	8H	22.9	23.6	23.4	24.1	24.6	20.7	21.4	21.2	21.9	22.4
	12H	23.2	23.8	23.7	24.3	24.8	21.1	21.7	21.6	22.2	22.8
12H	4H	22.0	22.9	22.5	23.3	23.8	19.6	20.4	20.0	20.9	21.3
	6H	22.6	23.3	23.2	23.8	24.3	20.5	21.2	21.0	21.6	22.2
	8H	23.0	23.6	23.5	24.1	24.7	20.9	21.5	21.4	22.0	22.6















(END OF REPORT)