

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: P1584101

Luminaire Tested: 14CGSB-40-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584101
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-40-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

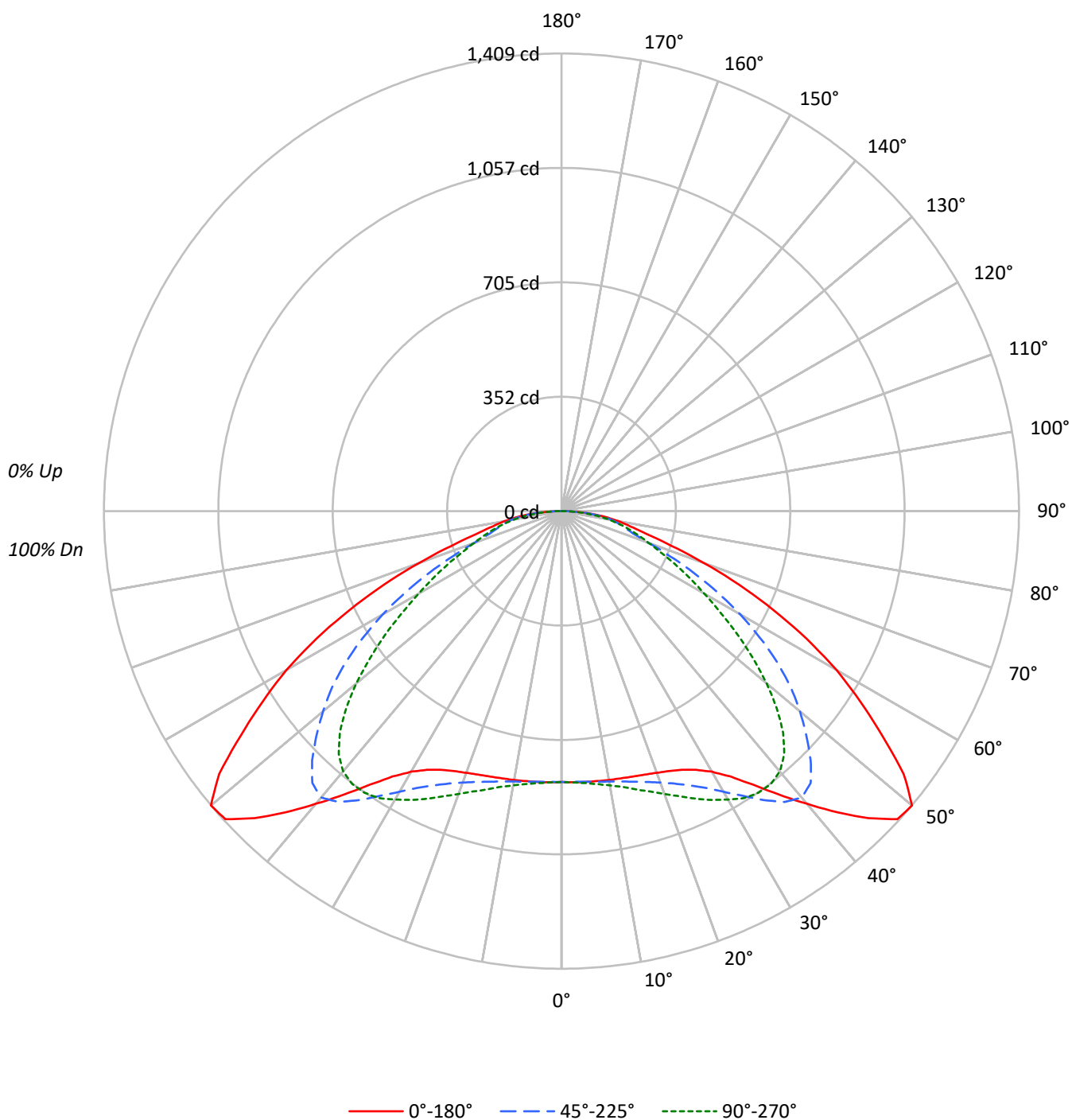
Lumens per Lamp: N/A
Luminaire Lumens: 3906.1 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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

TEST NUMBER: P1584101

CATALOG NUMBER: 14CGSB-40-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1584101

CATALOG NUMBER: 14CGSB-40-A125-L835

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°	2261	2258	2271
10°	2297	2310	2343
15°	2357	2403	2471
20°	2455	2547	2653
25°	2609	2765	2900
30°	2878	3099	3186
35°	3375	3566	3476
40°	4131	4044	3675
45°	5087	4131	3674
50°	5900	4012	3451
55°	5660	3803	3103
60°	5259	3413	2733
65°	4581	2859	2448
70°	3664	2247	2247
75°	2811	2130	2231
80°	2760	2461	2272
85°	2773	2726	2223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5900 cd/sqm

TEST NUMBER: P1584101

CATALOG NUMBER: 14CGSB-40-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	2.1
10°-20°	246.2	6.3
20°-30°	433.3	11.1
30°-40°	671.2	17.2
40°-50°	855.1	21.9
50°-60°	778.0	19.9
60°-70°	504.6	12.9
70°-80°	245.4	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°	759.8	19.5
0°-40°	1431.0	36.6
0°-60°	3064.2	78.4
0°-90°	3906.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3906.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	837	838	836	838	841	80
15°	846	852	862	879	887	240
25°	879	897	931	964	977	410
35°	1027	1072	1086	1068	1058	654
45°	1337	1255	1086	991	965	1027
55°	1206	1058	811	699	662	1077
65°	719	637	449	389	384	712
75°	270	248	205	195	215	306
85°	90	98	88	81	72	98
90°	0	0	0	0	0	



TEST NUMBER: P1584101

CATALOG NUMBER: 14CGSB-40-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	834.0	834.0	834.0	834.0	834.0
2.5°	835.5	836.5	834.0	834.5	836.0
5°	837.0	838.1	836.0	837.6	840.6
7.5°	838.1	840.1	840.1	843.6	847.7
10°	840.6	842.6	845.2	852.3	857.3
12.5°	842.6	846.2	852.3	863.9	869.5
15°	846.2	851.8	862.4	878.6	886.8
17.5°	850.7	858.9	874.1	895.4	905.0
20°	857.3	868.0	889.3	914.7	926.3
22.5°	866.0	880.2	907.6	937.5	950.2
25°	878.6	896.9	931.4	964.4	976.6
27.5°	897.9	920.8	960.3	993.3	1002.4
30°	926.3	954.7	997.4	1020.2	1025.3
32.5°	968.4	1005.0	1039.0	1046.6	1047.6
35°	1027.3	1071.9	1085.6	1067.9	1058.2
37.5°	1099.3	1149.0	1128.7	1076.0	1058.7
40°	1175.9	1216.5	1151.1	1069.4	1046.1
42.5°	1257.1	1255.1	1135.8	1040.5	1015.1
45°	1336.7	1254.6	1085.6	990.8	965.4
47.5°	1403.7	1216.5	1023.2	929.4	899.4
50°	1409.3	1166.8	958.3	854.8	824.4
52.5°	1328.1	1117.6	889.8	777.7	742.7
55°	1206.4	1058.2	810.7	698.6	661.5
57.5°	1091.2	980.6	724.4	616.9	580.4
60°	977.1	880.7	634.1	537.7	507.8
62.5°	850.7	764.5	541.8	459.1	443.4
65°	719.4	637.2	449.0	389.1	384.5
67.5°	592.0	516.4	360.2	323.2	328.7
70°	465.7	407.9	285.6	277.0	285.6
72.5°	354.1	321.6	232.3	234.4	248.6
75°	270.4	247.6	204.9	195.3	214.6
77.5°	216.6	201.9	181.6	167.4	181.6
80°	178.1	174.5	158.8	142.0	146.6
82.5°	134.4	137.0	124.8	116.2	110.6
85°	89.8	97.9	88.3	80.7	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

TEST NUMBER: P1584101

CATALOG NUMBER: 14CGSB-40-A125-L835

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	22.9	23.4	24.0	20.3	20.9	20.8	21.4	21.9











(END OF REPORT)