

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: P1527349

Luminaire Tested: 24CGSB-45-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-45-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

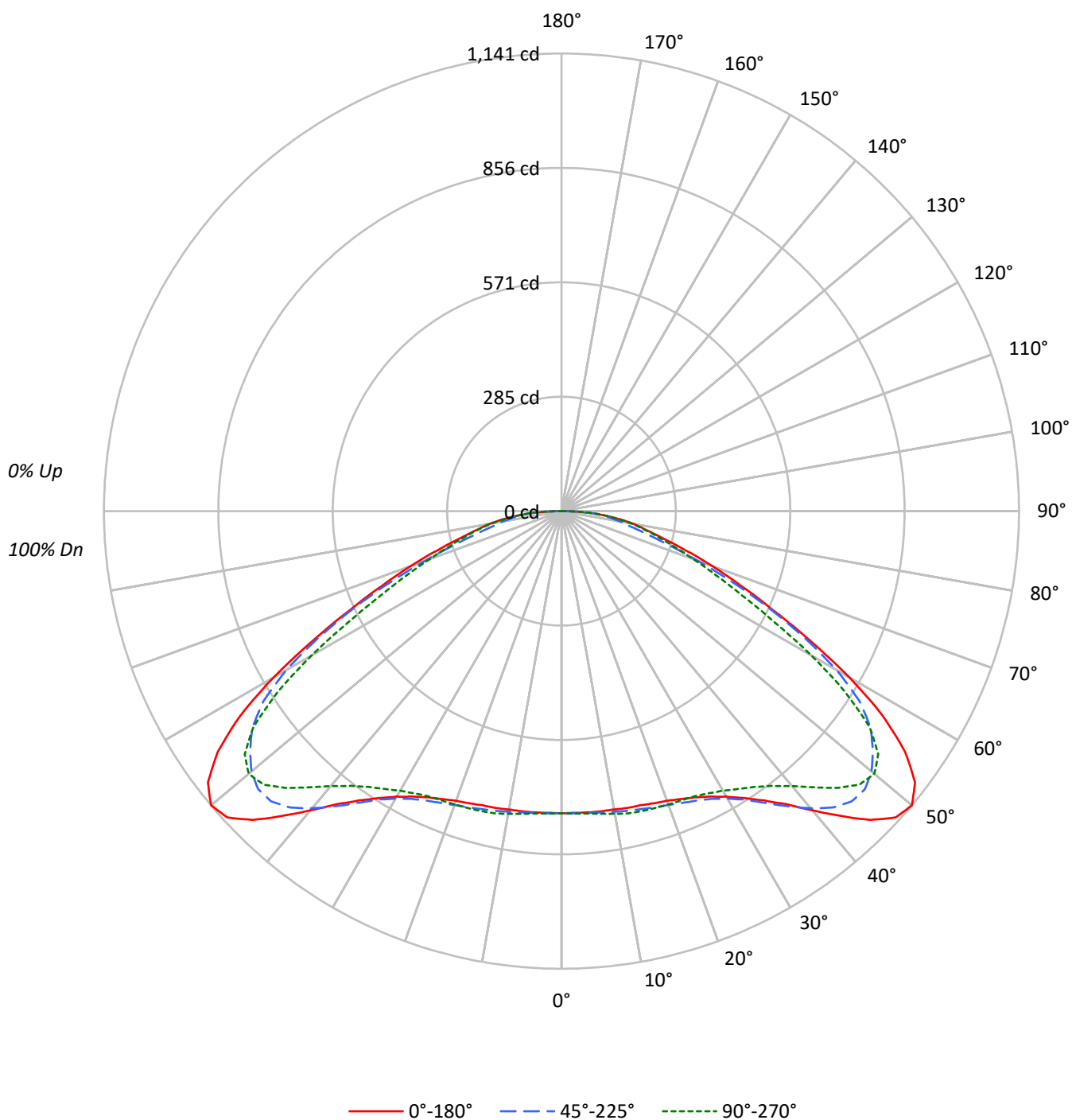
Lumens per Lamp: N/A
Luminaire Lumens: 3760.8 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.4
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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84		82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68		66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56		54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47		44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39		37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34		31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29		27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25		23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22		20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20		18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1014	1014	1014
5°	1018	1020	1022
10°	1032	1040	1047
15°	1058	1071	1078
20°	1100	1116	1114
25°	1169	1182	1165
30°	1277	1286	1250
35°	1446	1459	1379
40°	1710	1698	1571
45°	2072	1948	1856
50°	2388	2113	2132
55°	2455	2207	2200
60°	2231	2133	1936
65°	1845	1812	1580
70°	1576	1419	1373
75°	1364	1131	1300
80°	1413	1145	1368
85°	1428	1377	1518

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2457 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.9
10°-20°	218.1	5.8
20°-30°	368.3	9.8
30°-40°	554.5	14.7
40°-50°	788.4	21.0
50°-60°	846.1	22.5
60°-70°	551.4	14.7
70°-80°	265.1	7.0
80°-90°	96.5	2.6
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°	658.7	17.5
0°-40°	1213.1	32.3
0°-60°	2847.7	75.7
0°-90°	3760.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3760.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	753	753	753	753	753	
5°	754	755	755	758	757	72
15°	759	763	769	774	774	216
25°	787	794	796	789	785	367
35°	880	897	888	858	839	559
45°	1089	1062	1024	997	975	836
55°	1046	1020	941	914	938	915
65°	580	575	569	508	496	586
75°	262	248	218	247	250	288
85°	92	87	89	92	98	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	753.4	753.4	753.4	753.4	753.4
2.5°	752.7	753.4	754.0	754.7	754.7
5°	754.0	754.7	755.3	757.9	756.6
7.5°	754.7	755.3	757.3	761.2	761.2
10°	755.3	757.3	761.2	765.1	766.4
12.5°	757.9	759.9	765.1	770.3	771.6
15°	759.2	763.2	769.0	773.6	774.2
17.5°	763.8	767.7	774.2	776.2	776.2
20°	768.4	773.6	779.4	779.4	778.1
22.5°	776.8	782.7	787.2	783.3	780.7
25°	787.2	794.4	796.4	789.2	784.6
27.5°	802.2	811.3	808.7	799.0	793.1
30°	821.8	833.5	827.6	813.3	804.8
32.5°	847.8	862.1	852.4	834.1	821.1
35°	880.4	897.3	888.2	858.2	839.3
37.5°	920.7	938.3	927.2	888.8	863.4
40°	973.5	982.6	967.0	925.3	894.7
42.5°	1030.8	1026.2	1002.1	963.7	933.8
45°	1088.7	1062.0	1023.6	996.9	975.4
47.5°	1130.4	1080.9	1026.2	1012.5	1008.6
50°	1140.8	1077.0	1009.3	1004.1	1018.4
52.5°	1111.5	1056.2	978.7	969.6	995.6
55°	1046.4	1019.7	940.9	913.6	937.7
57.5°	950.7	948.7	881.0	832.2	838.7
60°	828.9	836.7	792.5	723.4	719.5
62.5°	697.4	701.9	682.4	610.8	597.1
65°	579.5	575.0	569.1	507.9	496.2
67.5°	482.5	468.8	459.7	422.6	416.7
70°	400.5	379.0	360.7	354.9	349.0
72.5°	324.3	308.6	279.3	295.6	295.0
75°	262.4	248.1	217.5	247.4	250.0
77.5°	214.9	205.1	175.8	203.2	211.6
80°	182.3	162.1	147.8	165.4	176.5
82.5°	139.3	123.7	120.5	127.6	138.0
85°	92.5	86.6	89.2	91.8	98.3
87.5°	46.9	50.1	54.0	58.6	61.9
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	16.4	18.2	16.8	18.5	18.9	15.5	17.3	15.9	17.6	17.9
	3H	17.5	19.2	17.9	19.5	19.8	16.7	18.3	17.0	18.6	19.0
	4H	17.9	19.5	18.3	19.8	20.2	17.1	18.7	17.5	19.0	19.4
	6H	18.3	19.7	18.7	20.1	20.5	17.6	19.0	18.0	19.4	19.7
	8H	18.5	19.8	18.9	20.2	20.6	17.8	19.1	18.2	19.5	19.9
	12H	18.6	19.9	19.0	20.3	20.7	17.9	19.2	18.4	19.6	20.1
4H	2H	16.9	18.4	17.2	18.7	19.1	16.1	17.6	16.5	18.0	18.3
	3H	18.1	19.4	18.5	19.8	20.2	17.4	18.7	17.8	19.1	19.5
	4H	18.6	19.8	19.1	20.2	20.6	18.0	19.2	18.4	19.6	20.0
	6H	19.1	20.1	19.6	20.6	21.0	18.6	19.6	19.0	20.0	20.5
	8H	19.3	20.3	19.8	20.7	21.2	18.8	19.8	19.3	20.2	20.7
	12H	19.5	20.4	20.0	20.9	21.3	19.1	19.9	19.6	20.4	20.9
8H	4H	18.8	19.8	19.3	20.2	20.7	18.2	19.2	18.7	19.6	20.1
	6H	19.4	20.2	19.9	20.7	21.2	18.9	19.7	19.4	20.2	20.7
	8H	19.7	20.4	20.2	20.9	21.4	19.3	20.0	19.8	20.5	21.0
	12H	20.0	20.6	20.5	21.1	21.7	19.6	20.3	20.1	20.7	21.3
12H	4H	18.8	19.7	19.3	20.2	20.6	18.2	19.1	18.7	19.6	20.0
	6H	19.5	20.2	20.0	20.6	21.2	19.0	19.7	19.5	20.2	20.7
	8H	19.8	20.4	20.3	20.9	21.5	19.4	20.0	19.9	20.5	21.1













(END OF REPORT)