

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: P1527342

Luminaire Tested: 24CGSB-40-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527342
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-40-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

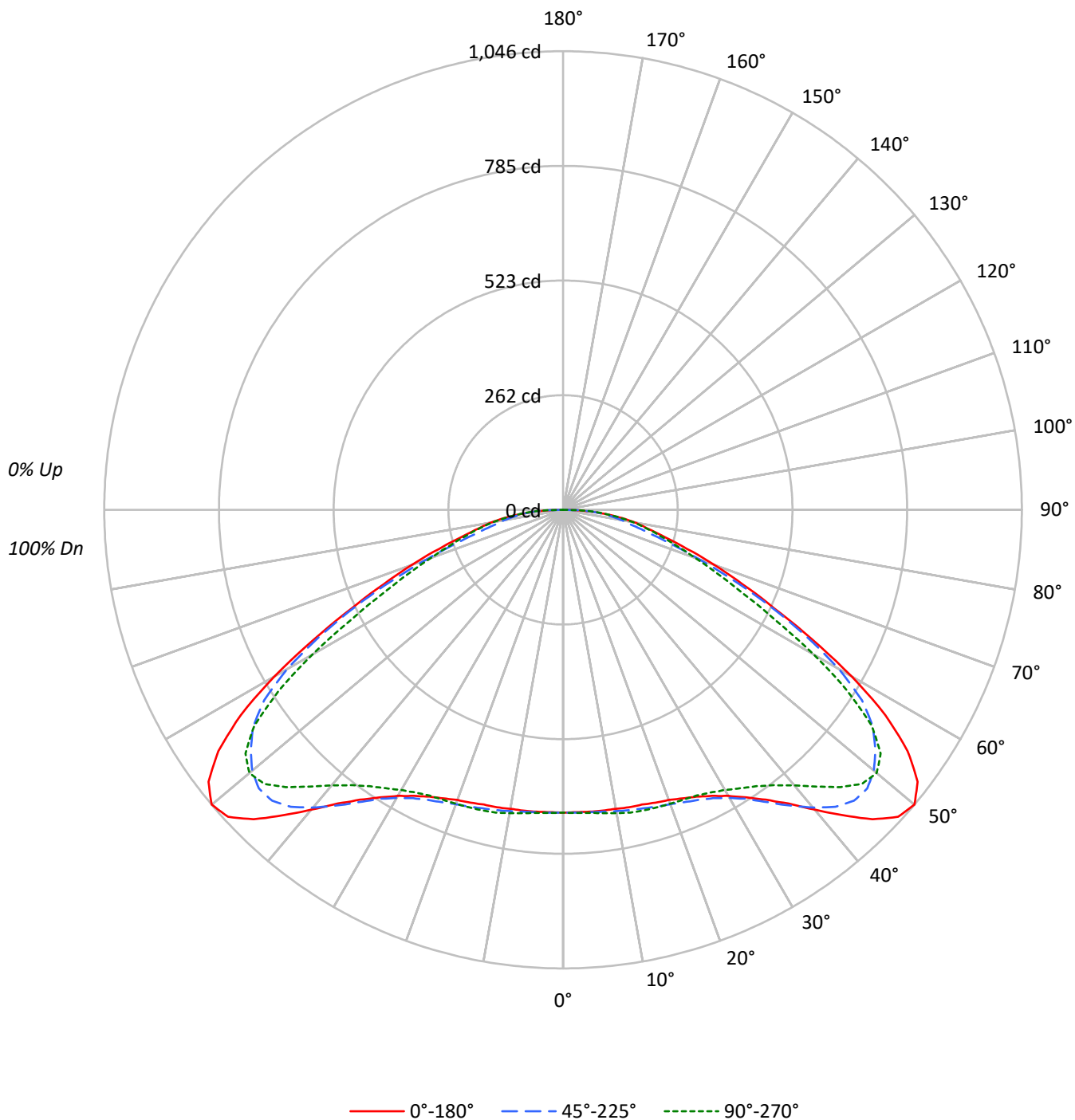
Lumens per Lamp: N/A
Luminaire Lumens: 3447.4 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	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°	929	929	929
5°	934	935	937
10°	946	953	960
15°	969	982	989
20°	1008	1023	1021
25°	1071	1084	1068
30°	1170	1179	1146
35°	1326	1337	1264
40°	1567	1557	1440
45°	1899	1785	1701
50°	2189	1937	1954
55°	2250	2023	2016
60°	2045	1955	1775
65°	1691	1661	1448
70°	1444	1301	1258
75°	1250	1037	1192
80°	1295	1050	1254
85°	1309	1263	1391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2252 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	1.9
10°-20°	199.9	5.8
20°-30°	337.6	9.8
30°-40°	508.3	14.7
40°-50°	722.7	21.0
50°-60°	775.6	22.5
60°-70°	505.5	14.7
70°-80°	243.0	7.1
80°-90°	88.5	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°	603.8	17.5
0°-40°	1112.1	32.3
0°-60°	2610.4	75.7
0°-90°	3447.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3447.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	691	692	692	695	694	66
15°	696	700	705	709	710	198
25°	722	728	730	723	719	336
35°	807	822	814	787	769	512
45°	998	974	938	914	894	766
55°	959	935	862	837	860	839
65°	531	527	522	466	455	538
75°	240	227	199	227	229	264
85°	85	79	82	84	90	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.6	690.6	690.6	690.6	690.6
2.5°	690.0	690.6	691.2	691.8	691.8
5°	691.2	691.8	692.4	694.8	693.6
7.5°	691.8	692.4	694.2	697.8	697.8
10°	692.4	694.2	697.8	701.3	702.5
12.5°	694.8	696.6	701.3	706.1	707.3
15°	696.0	699.6	704.9	709.1	709.7
17.5°	700.2	703.7	709.7	711.5	711.5
20°	704.3	709.1	714.5	714.5	713.3
22.5°	712.1	717.5	721.6	718.1	715.7
25°	721.6	728.2	730.0	723.4	719.3
27.5°	735.4	743.7	741.3	732.4	727.0
30°	753.3	764.0	758.6	745.5	737.8
32.5°	777.2	790.3	781.3	764.6	752.7
35°	807.0	822.5	814.2	786.7	769.4
37.5°	844.0	860.1	850.0	814.8	791.5
40°	892.4	900.7	886.4	848.2	820.1
42.5°	944.9	940.7	918.6	883.4	855.9
45°	998.0	973.5	938.3	913.8	894.1
47.5°	1036.2	990.8	940.7	928.2	924.6
50°	1045.8	987.3	925.2	920.4	933.5
52.5°	1018.9	968.2	897.1	888.8	912.6
55°	959.2	934.7	862.5	837.4	859.5
57.5°	871.5	869.7	807.6	762.8	768.8
60°	759.8	767.0	726.4	663.1	659.6
62.5°	639.3	643.4	625.5	559.9	547.3
65°	531.2	527.1	521.7	465.6	454.8
67.5°	442.3	429.8	421.4	387.4	382.0
70°	367.1	347.4	330.7	325.3	319.9
72.5°	297.3	282.9	256.1	271.0	270.4
75°	240.5	227.4	199.4	226.8	229.2
77.5°	197.0	188.0	161.2	186.2	194.0
80°	167.1	148.6	135.5	151.6	161.8
82.5°	127.7	113.4	110.4	117.0	126.5
85°	84.8	79.4	81.8	84.2	90.1
87.5°	43.0	46.0	49.5	53.7	56.7
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	16.1	17.9	16.5	18.2	18.6	15.2	17.0	15.6	17.3	17.6
	3H	17.2	18.9	17.6	19.2	19.5	16.4	18.0	16.7	18.3	18.7
	4H	17.6	19.2	18.0	19.5	19.9	16.8	18.4	17.2	18.7	19.1
	6H	18.0	19.4	18.4	19.8	20.2	17.3	18.7	17.7	19.0	19.4
	8H	18.2	19.5	18.6	19.9	20.3	17.5	18.8	17.9	19.2	19.6
	12H	18.3	19.6	18.7	20.0	20.4	17.6	18.9	18.1	19.3	19.8
4H	2H	16.5	18.1	16.9	18.4	18.8	15.8	17.3	16.2	17.7	18.0
	3H	17.8	19.1	18.2	19.5	19.9	17.1	18.4	17.5	18.8	19.2
	4H	18.3	19.5	18.8	19.9	20.3	17.7	18.9	18.1	19.3	19.7
	6H	18.8	19.8	19.3	20.3	20.7	18.3	19.3	18.7	19.7	20.2
	8H	19.0	20.0	19.5	20.4	20.9	18.5	19.5	19.0	19.9	20.4
	12H	19.2	20.1	19.7	20.6	21.0	18.8	19.6	19.3	20.1	20.6
8H	4H	18.5	19.5	19.0	19.9	20.4	17.9	18.9	18.4	19.3	19.8
	6H	19.1	19.9	19.6	20.4	20.9	18.6	19.4	19.1	19.9	20.4
	8H	19.4	20.1	19.9	20.6	21.1	19.0	19.7	19.5	20.2	20.7
	12H	19.7	20.3	20.2	20.8	21.4	19.3	20.0	19.8	20.4	21.0
12H	4H	18.5	19.4	19.0	19.9	20.3	17.9	18.8	18.4	19.3	19.7
	6H	19.2	19.9	19.7	20.3	20.9	18.7	19.4	19.2	19.9	20.4
	8H	19.5	20.1	20.0	20.6	21.2	19.1	19.7	19.6	20.2	20.8















(END OF REPORT)