

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: P1527330

Luminaire Tested: 24CGSB-35-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527330
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-35-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

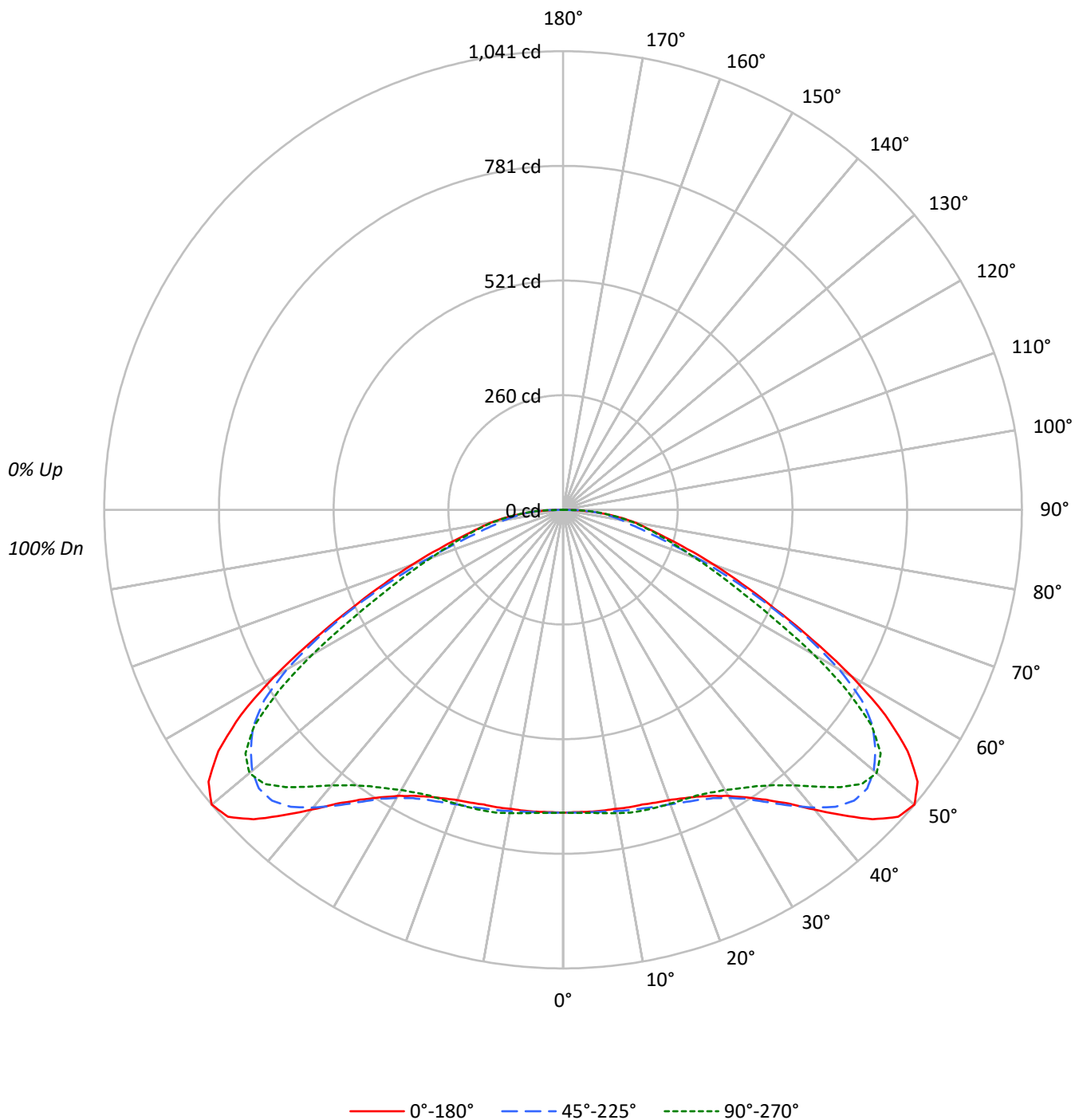
Lumens per Lamp: N/A
Luminaire Lumens: 3430.9 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
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°	925	925	925
5°	929	931	932
10°	941	949	955
15°	965	977	984
20°	1004	1018	1016
25°	1066	1079	1063
30°	1165	1173	1141
35°	1319	1331	1258
40°	1560	1550	1434
45°	1890	1777	1693
50°	2179	1927	1945
55°	2239	2014	2007
60°	2035	1946	1766
65°	1683	1653	1441
70°	1437	1295	1253
75°	1245	1031	1186
80°	1289	1044	1247
85°	1303	1257	1385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	1.9
10°-20°	198.9	5.8
20°-30°	336.0	9.8
30°-40°	505.8	14.7
40°-50°	719.3	21.0
50°-60°	771.9	22.5
60°-70°	503.1	14.7
70°-80°	241.9	7.0
80°-90°	88.0	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°	600.9	17.5
0°-40°	1106.8	32.3
0°-60°	2598.0	75.7
0°-90°	3430.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3430.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	687	687	687	687	687	
5°	688	688	689	692	690	66
15°	693	696	702	706	706	197
25°	718	725	726	720	716	334
35°	803	819	810	783	766	510
45°	993	969	934	910	890	763
55°	955	930	858	833	855	835
65°	529	524	519	463	453	535
75°	239	226	198	226	228	263
85°	84	79	81	84	90	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	687.3	687.3	687.3	687.3	687.3
2.5°	686.7	687.3	687.9	688.5	688.5
5°	687.9	688.5	689.1	691.5	690.3
7.5°	688.5	689.1	690.9	694.4	694.4
10°	689.1	690.9	694.4	698.0	699.2
12.5°	691.5	693.3	698.0	702.8	703.9
15°	692.7	696.2	701.6	705.7	706.3
17.5°	696.8	700.4	706.3	708.1	708.1
20°	701.0	705.7	711.1	711.1	709.9
22.5°	708.7	714.0	718.2	714.6	712.3
25°	718.2	724.7	726.5	720.0	715.8
27.5°	731.9	740.2	737.8	728.9	723.6
30°	749.7	760.4	755.0	742.0	734.2
32.5°	773.5	786.5	777.6	761.0	749.1
35°	803.2	818.6	810.3	783.0	765.7
37.5°	840.0	856.0	845.9	810.9	787.7
40°	888.1	896.4	882.2	844.1	816.2
42.5°	940.4	936.2	914.2	879.2	851.9
45°	993.2	968.9	933.8	909.5	889.9
47.5°	1031.3	986.1	936.2	923.7	920.2
50°	1040.8	982.6	920.8	916.0	929.1
52.5°	1014.0	963.5	892.9	884.5	908.3
55°	954.6	930.3	858.4	833.4	855.4
57.5°	867.3	865.5	803.7	759.2	765.1
60°	756.2	763.4	723.0	660.0	656.4
62.5°	636.2	640.4	622.6	557.2	544.7
65°	528.7	524.5	519.2	463.4	452.7
67.5°	440.2	427.7	419.4	385.5	380.2
70°	365.3	345.7	329.1	323.8	318.4
72.5°	295.8	281.6	254.8	269.7	269.1
75°	239.4	226.3	198.4	225.7	228.1
77.5°	196.0	187.1	160.4	185.3	193.1
80°	166.3	147.9	134.8	150.9	161.0
82.5°	127.1	112.9	109.9	116.4	125.9
85°	84.4	79.0	81.4	83.8	89.7
87.5°	42.8	45.7	49.3	53.5	56.4
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	18.5	15.2	17.0	15.6	17.3	17.6
	3H	17.2	18.8	17.6	19.2	19.5	16.3	18.0	16.7	18.3	18.6
	4H	17.6	19.1	18.0	19.5	19.9	16.8	18.3	17.2	18.7	19.1
	6H	18.0	19.4	18.4	19.8	20.1	17.3	18.7	17.7	19.0	19.4
	8H	18.1	19.5	18.6	19.9	20.3	17.4	18.8	17.9	19.2	19.6
	12H	18.3	19.6	18.7	19.9	20.4	17.6	18.9	18.1	19.3	19.7
4H	2H	16.5	18.1	16.9	18.4	18.8	15.8	17.3	16.2	17.6	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	18.7	19.9	20.3	17.7	18.8	18.1	19.2	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	19.2	20.1	20.6
8H	4H	18.5	19.4	18.9	19.9	20.3	17.9	18.8	18.3	19.3	19.7
	6H	19.1	19.9	19.6	20.4	20.8	18.6	19.4	19.1	19.9	20.3
	8H	19.4	20.1	19.9	20.6	21.1	18.9	19.7	19.4	20.2	20.6
	12H	19.7	20.3	20.2	20.8	21.4	19.3	19.9	19.8	20.4	21.0
12H	4H	18.5	19.4	19.0	19.8	20.3	17.9	18.8	18.4	19.3	19.7
	6H	19.1	19.9	19.7	20.3	20.9	18.7	19.4	19.2	19.8	20.4
	8H	19.5	20.1	20.0	20.6	21.2	19.1	19.7	19.6	20.2	20.7













(END OF REPORT)