

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: P1527387

Luminaire Tested: 24CGSB-90-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527387
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-90-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

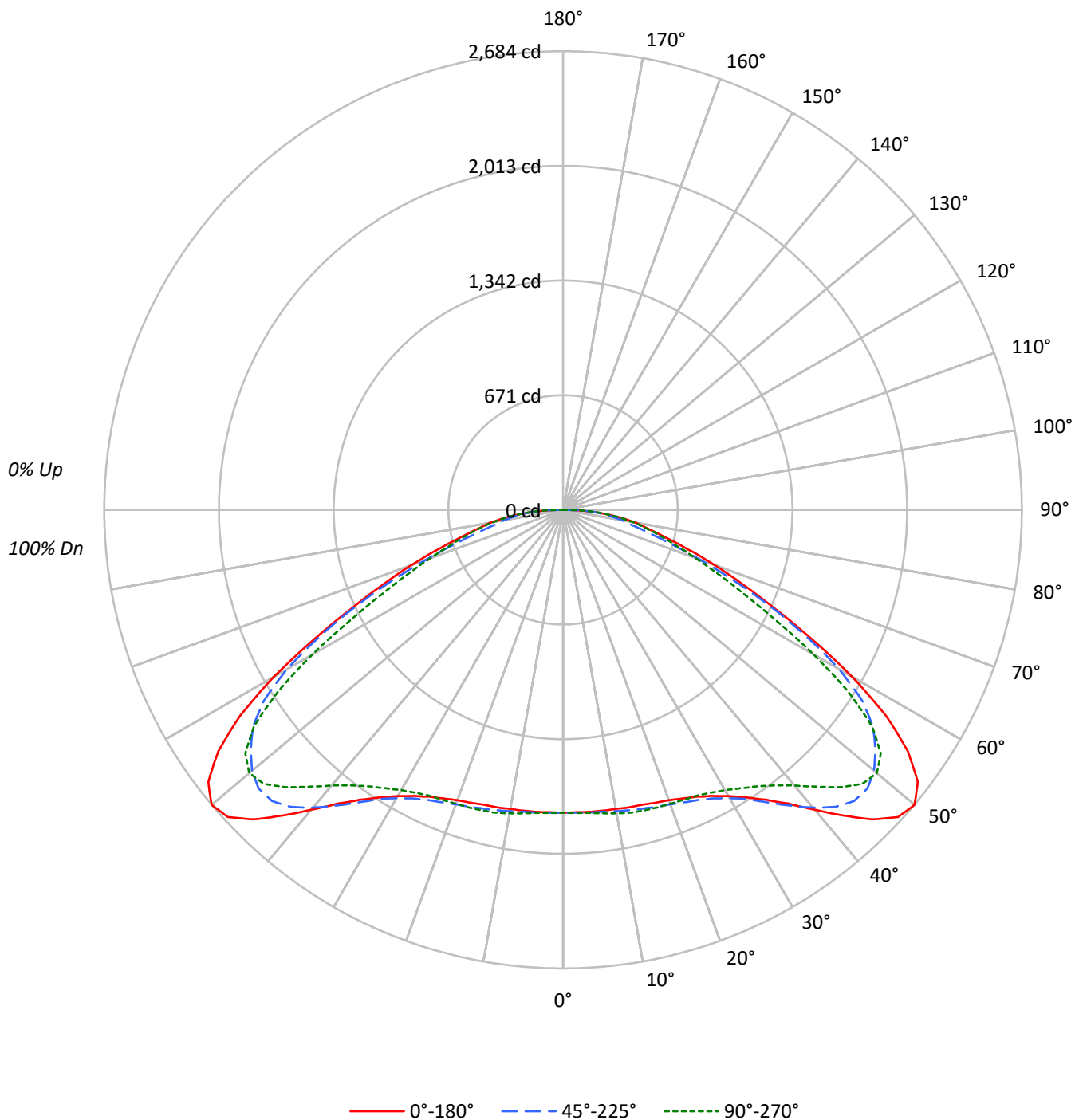
Lumens per Lamp: N/A
Luminaire Lumens: 8848.9 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 74.9
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: P1527387

CATALOG NUMBER: 24CGSB-90-A125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1527387

CATALOG NUMBER: 24CGSB-90-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	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°	2385	2385	2385
5°	2396	2400	2405
10°	2428	2447	2464
15°	2489	2520	2538
20°	2589	2626	2622
25°	2750	2782	2741
30°	3004	3025	2942
35°	3402	3433	3244
40°	4023	3996	3697
45°	4874	4583	4367
50°	5619	4971	5016
55°	5776	5193	5176
60°	5248	5018	4556
65°	4341	4263	3717
70°	3707	3339	3231
75°	3210	2660	3058
80°	3324	2695	3217
85°	3359	3240	3572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5780 cd/sqm

TEST NUMBER: P1527387

CATALOG NUMBER: 24CGSB-90-A125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	1.9
10°-20°	513.1	5.8
20°-30°	866.6	9.8
30°-40°	1304.6	14.7
40°-50°	1855.1	21.0
50°-60°	1990.9	22.5
60°-70°	1297.5	14.7
70°-80°	623.8	7.0
80°-90°	227.1	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°	1549.8	17.5
0°-40°	2854.5	32.3
0°-60°	6700.5	75.7
0°-90°	8848.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8848.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1773	1773	1773	1773	1773	
5°	1774	1776	1777	1783	1780	169
15°	1786	1796	1809	1820	1822	508
25°	1852	1869	1874	1857	1846	862
35°	2071	2111	2090	2019	1975	1315
45°	2562	2499	2408	2346	2295	1967
55°	2462	2399	2214	2150	2206	2154
65°	1364	1353	1339	1195	1168	1380
75°	617	584	512	582	588	678
85°	218	204	210	216	231	237
90°	0	0	0	0	0	

TEST NUMBER: P1527387

CATALOG NUMBER: 24CGSB-90-A125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1772.7	1772.7	1772.7	1772.7	1772.7
2.5°	1771.1	1772.7	1774.2	1775.7	1775.7
5°	1774.2	1775.7	1777.3	1783.4	1780.3
7.5°	1775.7	1777.3	1781.9	1791.1	1791.1
10°	1777.3	1781.9	1791.1	1800.2	1803.3
12.5°	1783.4	1788.0	1800.2	1812.5	1815.6
15°	1786.5	1795.7	1809.4	1820.2	1821.7
17.5°	1797.2	1806.4	1821.7	1826.3	1826.3
20°	1807.9	1820.2	1834.0	1834.0	1830.9
22.5°	1827.8	1841.6	1852.3	1843.1	1837.0
25°	1852.3	1869.2	1873.8	1856.9	1846.2
27.5°	1887.6	1909.0	1902.9	1879.9	1866.1
30°	1933.5	1961.1	1947.3	1913.6	1893.7
32.5°	1994.8	2028.5	2005.6	1962.7	1932.0
35°	2071.4	2111.3	2089.8	2019.3	1974.9
37.5°	2166.4	2207.8	2181.7	2091.4	2031.6
40°	2290.5	2312.0	2275.2	2177.2	2105.1
42.5°	2425.4	2414.6	2357.9	2267.5	2197.1
45°	2561.7	2498.9	2408.5	2345.7	2295.1
47.5°	2659.8	2543.3	2414.6	2382.5	2373.3
50°	2684.3	2534.1	2374.8	2362.5	2396.2
52.5°	2615.3	2485.1	2302.8	2281.3	2342.6
55°	2462.1	2399.3	2213.9	2149.6	2206.3
57.5°	2236.9	2232.3	2073.0	1958.1	1973.4
60°	1950.4	1968.8	1864.6	1702.2	1693.0
62.5°	1640.9	1651.6	1605.7	1437.1	1405.0
65°	1363.6	1352.9	1339.1	1195.1	1167.5
67.5°	1135.3	1103.1	1081.7	994.3	980.6
70°	942.3	891.7	848.8	835.0	821.2
72.5°	763.0	726.2	657.3	695.6	694.1
75°	617.4	583.7	511.7	582.2	588.3
77.5°	505.6	482.6	413.7	478.0	497.9
80°	429.0	381.5	347.8	389.2	415.2
82.5°	327.9	291.1	283.4	300.3	324.8
85°	217.6	203.8	209.9	216.0	231.4
87.5°	110.3	118.0	127.2	137.9	145.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1527387

CATALOG NUMBER: 24CGSB-90-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	19.4	21.2	19.8	21.5	21.8	18.5	20.3	18.9	20.6	20.9
	3H	20.5	22.1	20.9	22.5	22.8	19.6	21.3	20.0	21.6	21.9
	4H	20.9	22.4	21.3	22.8	23.2	20.1	21.6	20.5	22.0	22.3
	6H	21.3	22.7	21.7	23.0	23.4	20.5	22.0	21.0	22.3	22.7
	8H	21.4	22.8	21.8	23.2	23.6	20.7	22.1	21.2	22.5	22.9
	12H	21.6	22.9	22.0	23.2	23.7	20.9	22.2	21.3	22.6	23.0
4H	2H	19.8	21.3	20.2	21.7	22.1	19.1	20.6	19.5	20.9	21.3
	3H	21.1	22.4	21.5	22.8	23.2	20.4	21.7	20.8	22.1	22.5
	4H	21.6	22.8	22.0	23.2	23.6	21.0	22.1	21.4	22.5	23.0
	6H	22.1	23.1	22.6	23.6	24.0	21.5	22.6	22.0	23.0	23.5
	8H	22.3	23.3	22.8	23.7	24.2	21.8	22.8	22.3	23.2	23.7
	12H	22.5	23.4	23.0	23.9	24.3	22.1	22.9	22.5	23.4	23.9
8H	4H	21.8	22.7	22.2	23.2	23.6	21.2	22.1	21.6	22.6	23.0
	6H	22.4	23.2	22.9	23.7	24.1	21.9	22.7	22.4	23.2	23.6
	8H	22.7	23.4	23.2	23.9	24.4	22.2	23.0	22.7	23.5	23.9
	12H	23.0	23.6	23.5	24.1	24.6	22.6	23.2	23.1	23.7	24.3
12H	4H	21.8	22.7	22.3	23.1	23.6	21.2	22.1	21.7	22.5	23.0
	6H	22.4	23.2	22.9	23.6	24.1	22.0	22.7	22.5	23.1	23.7
	8H	22.8	23.4	23.3	23.9	24.5	22.4	23.0	22.9	23.5	24.0















(END OF REPORT)