

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: P1527388

Luminaire Tested: 24CGSB-90-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527388
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

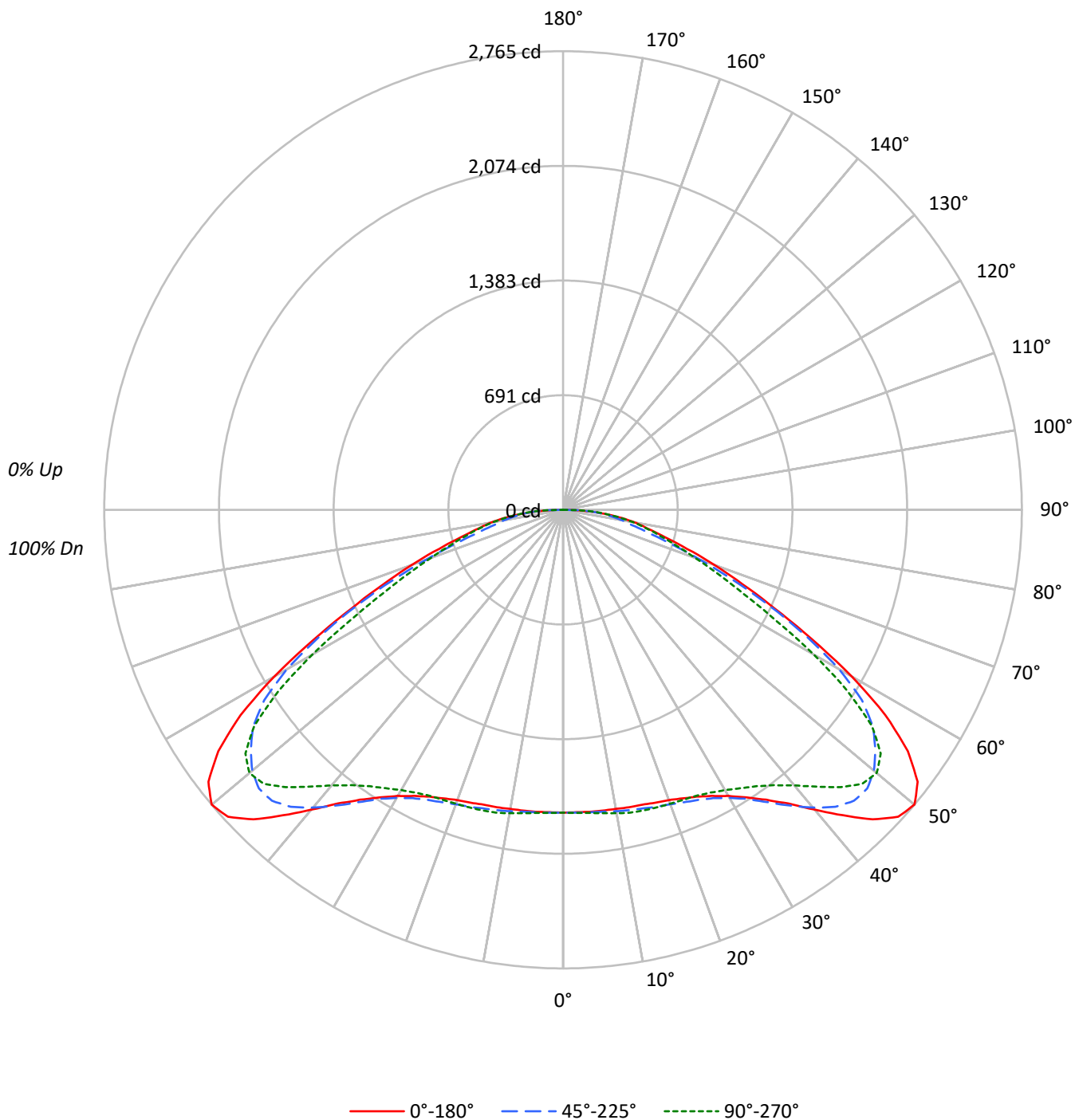
Lumens per Lamp: N/A
Luminaire Lumens: 9114.4 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	2457	2457	2457
5°	2468	2472	2477
10°	2501	2520	2538
15°	2563	2596	2614
20°	2666	2705	2700
25°	2832	2865	2823
30°	3094	3116	3030
35°	3505	3536	3341
40°	4144	4116	3808
45°	5021	4720	4498
50°	5787	5120	5166
55°	5949	5349	5331
60°	5406	5168	4693
65°	4472	4391	3828
70°	3818	3439	3328
75°	3306	2740	3150
80°	3424	2775	3314
85°	3460	3338	3679

MAXIMUM LUMINANCE 45°-90°:

Luminance: 5954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	1.9
10°-20°	528.5	5.8
20°-30°	892.6	9.8
30°-40°	1343.8	14.7
40°-50°	1910.8	21.0
50°-60°	2050.7	22.5
60°-70°	1336.4	14.7
70°-80°	642.6	7.1
80°-90°	233.9	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°	1596.3	17.5
0°-40°	2940.1	32.3
0°-60°	6901.6	75.7
0°-90°	9114.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9114.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1826	1826	1826	1826	1826	
5°	1827	1829	1831	1837	1834	175
15°	1840	1850	1864	1875	1876	523
25°	1908	1925	1930	1913	1902	888
35°	2134	2175	2152	2080	2034	1354
45°	2639	2574	2481	2416	2364	2026
55°	2536	2471	2280	2214	2272	2219
65°	1404	1394	1379	1231	1202	1421
75°	636	601	527	600	606	699
85°	224	210	216	222	238	244
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1825.8	1825.8	1825.8	1825.8	1825.8
2.5°	1824.3	1825.8	1827.4	1829.0	1829.0
5°	1827.4	1829.0	1830.6	1836.9	1833.7
7.5°	1829.0	1830.6	1835.3	1844.8	1844.8
10°	1830.6	1835.3	1844.8	1854.3	1857.4
12.5°	1836.9	1841.6	1854.3	1866.9	1870.0
15°	1840.1	1849.5	1863.7	1874.8	1876.3
17.5°	1851.1	1860.6	1876.3	1881.1	1881.1
20°	1862.1	1874.8	1889.0	1889.0	1885.8
22.5°	1882.7	1896.9	1907.9	1898.4	1892.1
25°	1907.9	1925.3	1930.0	1912.6	1901.6
27.5°	1944.2	1966.3	1960.0	1936.3	1922.1
30°	1991.5	2020.0	2005.8	1971.0	1950.5
32.5°	2054.7	2089.4	2065.7	2021.5	1990.0
35°	2133.6	2174.6	2152.5	2079.9	2034.2
37.5°	2231.4	2274.0	2247.2	2154.1	2092.5
40°	2359.2	2381.3	2343.5	2242.5	2168.3
42.5°	2498.1	2487.1	2428.7	2335.6	2263.0
45°	2638.6	2573.9	2480.8	2416.1	2364.0
47.5°	2739.6	2619.6	2487.1	2453.9	2444.5
50°	2764.8	2610.2	2446.0	2433.4	2468.1
52.5°	2693.8	2559.7	2371.9	2349.8	2412.9
55°	2536.0	2471.3	2280.3	2214.1	2272.4
57.5°	2304.0	2299.3	2135.2	2016.8	2032.6
60°	2008.9	2027.8	1920.5	1753.3	1743.8
62.5°	1690.1	1701.2	1653.8	1480.2	1447.1
65°	1404.5	1393.5	1379.2	1230.9	1202.5
67.5°	1169.4	1136.2	1114.1	1024.2	1010.0
70°	970.5	918.4	874.3	860.1	845.9
72.5°	785.9	748.0	677.0	716.5	714.9
75°	636.0	601.3	527.1	599.7	606.0
77.5°	520.8	497.1	426.1	492.4	512.9
80°	441.9	392.9	358.2	400.8	427.7
82.5°	337.7	299.8	291.9	309.3	334.6
85°	224.1	209.9	216.2	222.5	238.3
87.5°	113.6	121.5	131.0	142.0	149.9
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	19.5	21.3	19.9	21.6	21.9	18.6	20.4	19.0	20.7	21.0
	3H	20.6	22.2	21.0	22.6	22.9	19.7	21.4	20.1	21.7	22.0
	4H	21.0	22.5	21.4	22.9	23.3	20.2	21.7	20.6	22.1	22.4
	6H	21.4	22.8	21.8	23.2	23.5	20.6	22.1	21.1	22.4	22.8
	8H	21.5	22.9	22.0	23.3	23.7	20.8	22.2	21.3	22.6	23.0
	12H	21.7	23.0	22.1	23.3	23.8	21.0	22.3	21.4	22.7	23.1
4H	2H	19.9	21.5	20.3	21.8	22.2	19.2	20.7	19.6	21.0	21.4
	3H	21.2	22.5	21.6	22.9	23.3	20.5	21.8	20.9	22.2	22.6
	4H	21.7	22.9	22.1	23.3	23.7	21.1	22.2	21.5	22.6	23.1
	6H	22.2	23.2	22.7	23.7	24.1	21.6	22.7	22.1	23.1	23.6
	8H	22.4	23.4	22.9	23.8	24.3	21.9	22.9	22.4	23.3	23.8
	12H	22.6	23.5	23.1	24.0	24.4	22.2	23.0	22.6	23.5	24.0
8H	4H	21.9	22.8	22.3	23.3	23.7	21.3	22.2	21.7	22.7	23.1
	6H	22.5	23.3	23.0	23.8	24.2	22.0	22.8	22.5	23.3	23.7
	8H	22.8	23.5	23.3	24.0	24.5	22.3	23.1	22.8	23.6	24.0
	12H	23.1	23.7	23.6	24.2	24.7	22.7	23.3	23.2	23.8	24.4
12H	4H	21.9	22.8	22.4	23.2	23.7	21.3	22.2	21.8	22.7	23.1
	6H	22.5	23.3	23.0	23.7	24.2	22.1	22.8	22.6	23.2	23.8
	8H	22.9	23.5	23.4	24.0	24.6	22.5	23.1	23.0	23.6	24.1















(END OF REPORT)