

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: P1527313

Luminaire Tested: 22CGSB-70-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-70-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

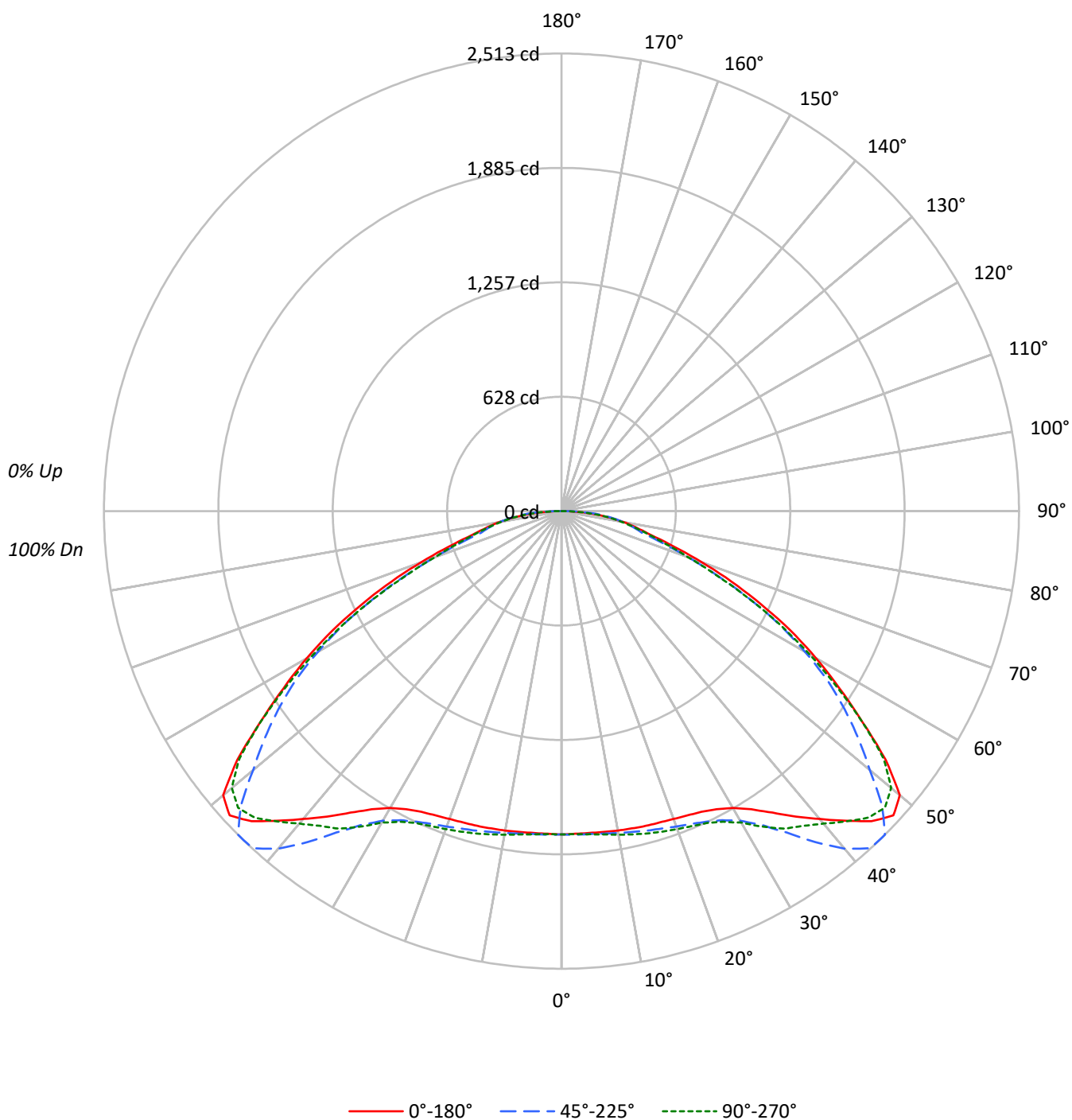
Lumens per Lamp: N/A
Luminaire Lumens: 8398.5 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69	67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57	55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48	46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41	38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35	33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30	28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26	24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23	21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4777	4777	4777
5°	4791	4808	4812
10°	4868	4902	4928
15°	4985	5060	5104
20°	5151	5279	5320
25°	5407	5586	5610
30°	5846	6097	6137
35°	6639	7077	6993
40°	7751	8498	7868
45°	9164	9562	9061
50°	10154	9251	9895
55°	9467	8908	9459
60°	8691	8316	8469
65°	7687	7252	7242
70°	6440	5803	5816
75°	5294	4750	5129
80°	5384	5359	5137
85°	5289	6367	5388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	2.0
10°-20°	514.7	6.1
20°-30°	870.3	10.4
30°-40°	1338.2	15.9
40°-50°	1859.8	22.1
50°-60°	1750.7	20.8
60°-70°	1156.2	13.8
70°-80°	537.3	6.4
80°-90°	201.1	2.4
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°	1555.4	18.5
0°-40°	2893.6	34.5
0°-60°	6504.0	77.4
0°-90°	8398.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8398.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1775	1775	1775	1775	1775	
5°	1774	1778	1780	1783	1781	170
15°	1789	1797	1816	1829	1832	507
25°	1821	1845	1881	1892	1889	847
35°	2021	2092	2154	2146	2129	1279
45°	2408	2494	2513	2452	2381	1843
55°	2018	1989	1899	1964	2016	1808
65°	1207	1196	1139	1156	1137	1199
75°	509	490	457	471	493	570
85°	171	197	206	200	174	187
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1775.1	1775.1	1775.1	1775.1	1775.1
2.5°	1773.5	1776.7	1778.2	1779.8	1775.1
5°	1773.5	1778.2	1779.8	1783.0	1781.4
7.5°	1776.7	1781.4	1786.2	1789.4	1790.9
10°	1781.4	1786.2	1794.1	1803.6	1803.6
12.5°	1784.6	1792.5	1803.6	1816.3	1817.9
15°	1789.4	1797.3	1816.3	1829.0	1832.2
17.5°	1792.5	1805.2	1827.4	1843.3	1844.9
20°	1798.9	1813.1	1843.3	1857.6	1857.6
22.5°	1808.4	1827.4	1859.1	1871.8	1871.8
25°	1821.1	1844.9	1881.4	1892.5	1889.3
27.5°	1844.9	1873.4	1913.1	1925.8	1922.6
30°	1881.4	1919.4	1962.3	1978.1	1974.9
32.5°	1940.1	1987.6	2041.6	2055.9	2054.3
35°	2021.0	2092.3	2154.2	2146.3	2128.8
37.5°	2114.5	2220.8	2290.6	2216.1	2178.0
40°	2206.5	2350.9	2419.1	2298.6	2239.9
42.5°	2304.9	2452.4	2511.1	2393.7	2311.2
45°	2408.0	2493.7	2512.7	2452.4	2381.0
47.5°	2473.0	2428.6	2387.4	2423.9	2409.6
50°	2425.5	2276.3	2209.7	2279.5	2363.6
52.5°	2244.6	2135.2	2057.4	2122.5	2228.8
55°	2017.8	1989.2	1898.8	1963.8	2016.2
57.5°	1810.0	1832.2	1733.8	1783.0	1790.9
60°	1614.9	1630.7	1545.1	1586.3	1573.6
62.5°	1416.6	1418.2	1351.5	1375.3	1356.3
65°	1207.2	1196.1	1139.0	1156.4	1137.4
67.5°	1010.5	985.1	931.2	939.1	921.6
70°	818.5	788.4	737.6	748.7	739.2
72.5°	647.2	623.4	579.0	593.3	602.8
75°	509.2	490.2	456.9	471.1	493.3
77.5°	422.0	398.2	401.3	391.8	407.7
80°	347.4	333.1	345.8	336.3	331.5
82.5°	258.6	272.8	277.6	282.4	258.6
85°	171.3	196.7	206.2	199.9	174.5
87.5°	84.1	106.3	109.5	107.9	90.4
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	20.7	22.4	21.0	22.7	23.0	20.5	22.2	20.9	22.6	22.9
	3H	21.9	23.5	22.3	23.8	24.2	21.7	23.2	22.0	23.6	23.9
	4H	22.3	23.8	22.7	24.2	24.5	22.0	23.5	22.4	23.9	24.3
	6H	22.7	24.1	23.1	24.4	24.8	22.4	23.8	22.8	24.1	24.5
	8H	22.8	24.1	23.2	24.5	24.9	22.6	23.9	23.0	24.3	24.7
	12H	22.9	24.2	23.4	24.6	25.0	22.7	24.0	23.1	24.3	24.8
4H	2H	21.1	22.6	21.5	22.9	23.3	21.0	22.5	21.4	22.8	23.2
	3H	22.5	23.8	23.0	24.2	24.6	22.3	23.6	22.7	24.0	24.4
	4H	23.0	24.2	23.5	24.6	25.0	22.8	23.9	23.2	24.3	24.8
	6H	23.5	24.5	24.0	25.0	25.4	23.3	24.3	23.7	24.7	25.2
	8H	23.7	24.7	24.2	25.1	25.6	23.5	24.4	24.0	24.9	25.4
	12H	23.9	24.8	24.4	25.2	25.7	23.7	24.6	24.2	25.0	25.5
8H	4H	23.2	24.2	23.7	24.6	25.1	23.0	23.9	23.5	24.4	24.8
	6H	23.8	24.6	24.3	25.1	25.6	23.6	24.4	24.1	24.9	25.4
	8H	24.1	24.8	24.7	25.4	25.8	24.0	24.7	24.5	25.2	25.7
	12H	24.4	25.1	24.9	25.6	26.1	24.3	24.9	24.8	25.4	26.0
12H	4H	23.3	24.1	23.7	24.6	25.0	23.0	23.9	23.5	24.4	24.8
	6H	23.9	24.6	24.4	25.1	25.6	23.7	24.4	24.2	24.9	25.4
	8H	24.3	24.9	24.8	25.4	26.0	24.1	24.7	24.6	25.2	25.8













(END OF REPORT)