

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: P1527314

Luminaire Tested: 22CGSB-70-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527314
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

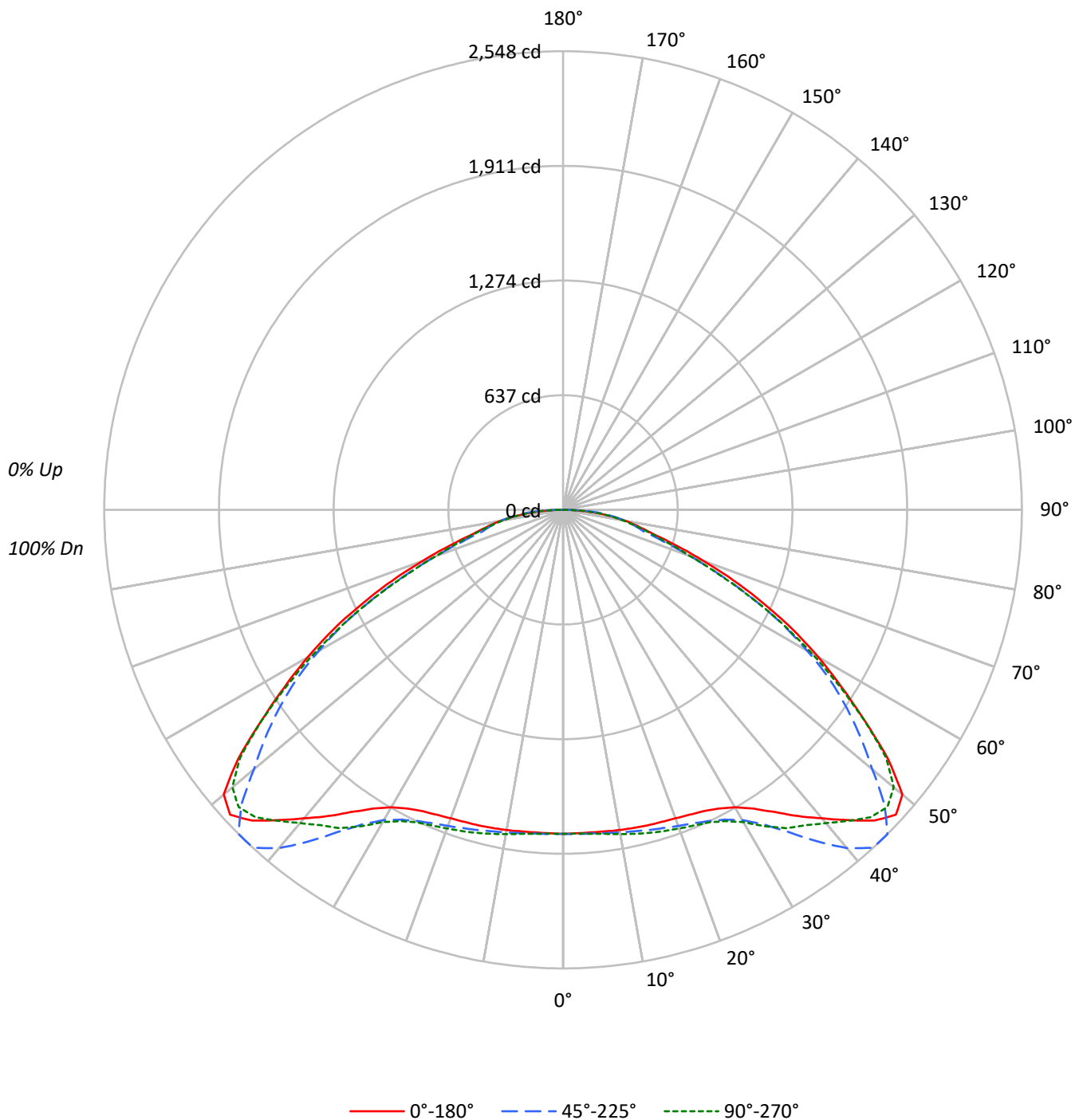
Lumens per Lamp: N/A
Luminaire Lumens: 8516.9 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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°	4844	4844	4844
5°	4858	4876	4880
10°	4936	4971	4998
15°	5055	5131	5176
20°	5224	5353	5395
25°	5483	5665	5689
30°	5928	6183	6223
35°	6733	7177	7092
40°	7861	8618	7979
45°	9293	9697	9189
50°	10297	9381	10034
55°	9600	9034	9592
60°	8813	8432	8589
65°	7795	7354	7344
70°	6531	5885	5898
75°	5369	4817	5202
80°	5459	5435	5210
85°	5363	6456	5465

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	2.0
10°-20°	522.0	6.1
20°-30°	882.5	10.4
30°-40°	1357.1	15.9
40°-50°	1886.0	22.1
50°-60°	1775.3	20.8
60°-70°	1172.5	13.8
70°-80°	544.8	6.4
80°-90°	203.9	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°	1577.3	18.5
0°-40°	2934.3	34.5
0°-60°	6595.7	77.4
0°-90°	8516.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8516.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1800	1800	1800	1800	1800	
5°	1798	1803	1805	1808	1806	172
15°	1815	1823	1842	1855	1858	515
25°	1847	1871	1908	1919	1916	859
35°	2050	2122	2185	2176	2159	1297
45°	2442	2529	2548	2487	2415	1869
55°	2046	2017	1926	1992	2045	1833
65°	1224	1213	1155	1173	1153	1216
75°	516	497	463	478	500	578
85°	174	200	209	203	177	190
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1800.1	1800.1	1800.1	1800.1	1800.1
2.5°	1798.5	1801.7	1803.3	1804.9	1800.1
5°	1798.5	1803.3	1804.9	1808.1	1806.5
7.5°	1801.7	1806.5	1811.4	1814.6	1816.2
10°	1806.5	1811.4	1819.4	1829.1	1829.1
12.5°	1809.8	1817.8	1829.1	1841.9	1843.5
15°	1814.6	1822.6	1841.9	1854.8	1858.0
17.5°	1817.8	1830.7	1853.2	1869.3	1870.9
20°	1824.2	1838.7	1869.3	1883.8	1883.8
22.5°	1833.9	1853.2	1885.4	1898.2	1898.2
25°	1846.8	1870.9	1907.9	1919.1	1915.9
27.5°	1870.9	1899.8	1940.1	1952.9	1949.7
30°	1907.9	1946.5	1989.9	2006.0	2002.8
32.5°	1967.4	2015.7	2070.4	2084.8	2083.2
35°	2049.5	2121.8	2184.6	2176.5	2158.8
37.5°	2144.4	2252.1	2322.9	2247.3	2208.7
40°	2237.7	2384.1	2453.2	2331.0	2271.4
42.5°	2337.4	2487.0	2546.5	2427.5	2343.8
45°	2442.0	2528.8	2548.1	2487.0	2414.6
47.5°	2507.9	2462.9	2421.1	2458.1	2443.6
50°	2459.7	2308.4	2240.9	2311.7	2396.9
52.5°	2276.3	2165.3	2086.4	2152.4	2260.2
55°	2046.2	2017.3	1925.6	1991.5	2044.6
57.5°	1835.5	1858.0	1758.3	1808.1	1816.2
60°	1637.6	1653.7	1566.8	1608.7	1595.8
62.5°	1436.5	1438.2	1370.6	1394.7	1375.4
65°	1224.2	1212.9	1155.0	1172.7	1153.4
67.5°	1024.7	999.0	944.3	952.3	934.6
70°	830.1	799.5	748.0	759.3	749.6
72.5°	656.3	632.2	587.2	601.6	611.3
75°	516.4	497.1	463.3	477.8	500.3
77.5°	427.9	403.8	407.0	397.3	413.4
80°	352.3	337.8	350.7	341.0	336.2
82.5°	262.2	276.7	281.5	286.3	262.2
85°	173.7	199.5	209.1	202.7	177.0
87.5°	85.3	107.8	111.0	109.4	91.7
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	20.7	22.5	21.1	22.8	23.1	20.5	22.3	20.9	22.6	22.9
	3H	22.0	23.6	22.4	23.9	24.2	21.7	23.3	22.1	23.6	24.0
	4H	22.4	23.9	22.8	24.2	24.6	22.1	23.6	22.5	23.9	24.3
	6H	22.7	24.1	23.1	24.5	24.9	22.4	23.8	22.9	24.2	24.6
	8H	22.9	24.2	23.3	24.6	25.0	22.6	23.9	23.0	24.3	24.7
	12H	23.0	24.3	23.4	24.6	25.1	22.7	24.0	23.2	24.4	24.8
4H	2H	21.2	22.6	21.5	23.0	23.4	21.0	22.5	21.4	22.9	23.2
	3H	22.6	23.9	23.0	24.2	24.6	22.4	23.6	22.8	24.0	24.4
	4H	23.1	24.2	23.5	24.6	25.1	22.8	24.0	23.3	24.4	24.8
	6H	23.6	24.6	24.0	25.0	25.5	23.3	24.3	23.8	24.8	25.2
	8H	23.8	24.7	24.2	25.2	25.6	23.6	24.5	24.0	24.9	25.4
	12H	24.0	24.8	24.4	25.3	25.8	23.8	24.6	24.2	25.1	25.6
8H	4H	23.3	24.2	23.7	24.6	25.1	23.0	24.0	23.5	24.4	24.9
	6H	23.9	24.7	24.4	25.2	25.6	23.7	24.5	24.2	24.9	25.4
	8H	24.2	24.9	24.7	25.4	25.9	24.0	24.7	24.5	25.2	25.7
	12H	24.5	25.1	25.0	25.6	26.2	24.3	25.0	24.8	25.5	26.0
12H	4H	23.3	24.2	23.8	24.6	25.1	23.1	23.9	23.6	24.4	24.9
	6H	24.0	24.7	24.5	25.1	25.7	23.8	24.5	24.3	24.9	25.5
	8H	24.3	25.0	24.8	25.4	26.0	24.2	24.8	24.7	25.3	25.8















(END OF REPORT)