

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: P1526952

Luminaire Tested: 24CGTX-90HE-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526952
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: 24CGTX-90HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

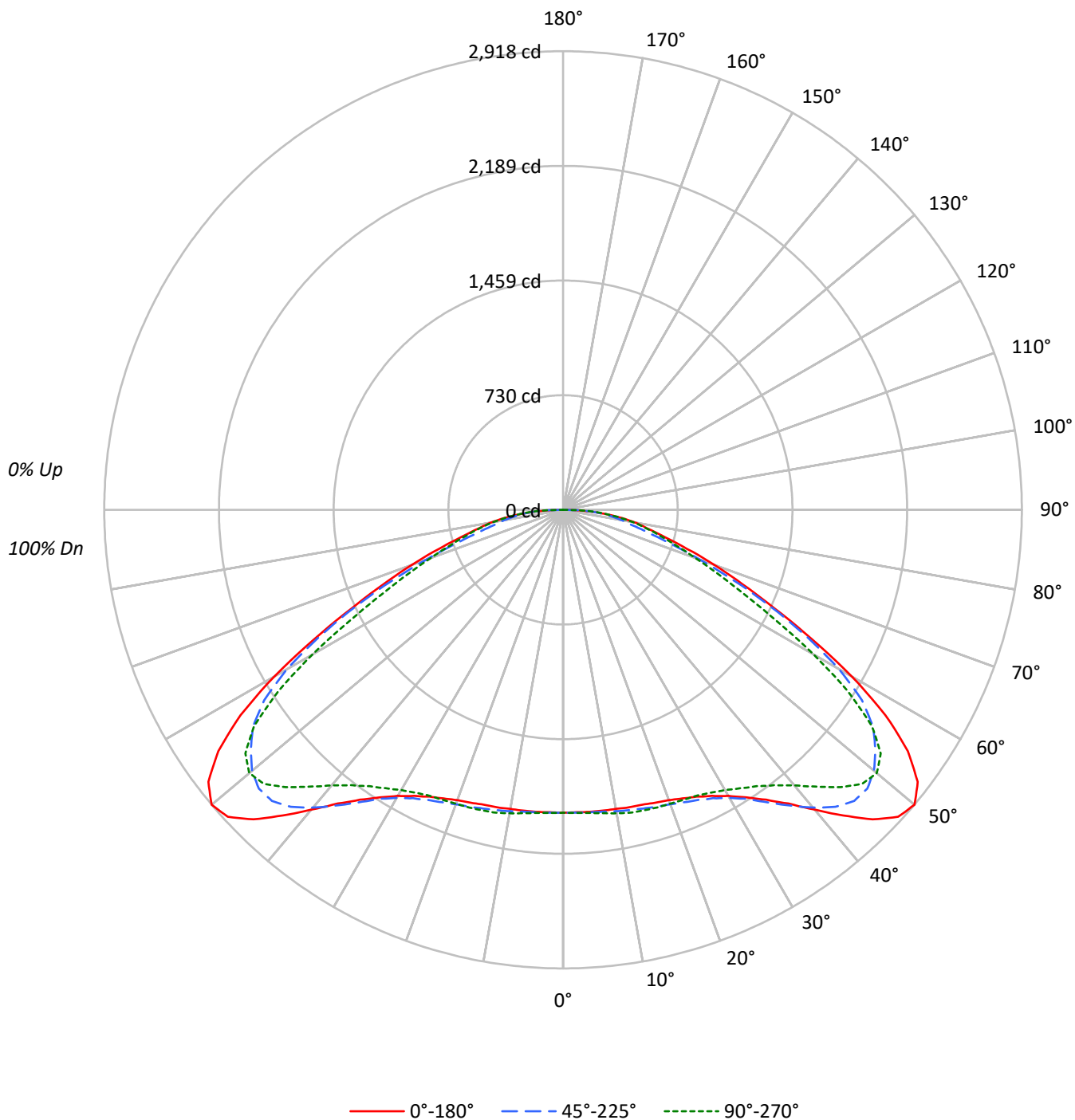
Lumens per Lamp: N/A
Luminaire Lumens: 9619.8 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.3
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	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°	2593	2593	2593
5°	2605	2610	2614
10°	2640	2660	2678
15°	2705	2740	2759
20°	2814	2855	2850
25°	2990	3024	2980
30°	3266	3289	3198
35°	3699	3732	3527
40°	4374	4344	4020
45°	5299	4982	4748
50°	6108	5404	5453
55°	6279	5646	5626
60°	5706	5455	4953
65°	4720	4635	4041
70°	4030	3630	3512
75°	3489	2892	3325
80°	3614	2930	3498
85°	3651	3523	3883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 6284 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	1.9
10°-20°	557.8	5.8
20°-30°	942.1	9.8
30°-40°	1418.3	14.7
40°-50°	2016.7	21.0
50°-60°	2164.4	22.5
60°-70°	1410.5	14.7
70°-80°	678.2	7.1
80°-90°	246.8	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°	1684.9	17.5
0°-40°	3103.1	32.3
0°-60°	7284.3	75.7
0°-90°	9619.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9619.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1927	1927	1927	1927	1927	
5°	1929	1930	1932	1939	1935	184
15°	1942	1952	1967	1979	1980	552
25°	2014	2032	2037	2019	2007	938
35°	2252	2295	2272	2195	2147	1429
45°	2785	2717	2618	2550	2495	2138
55°	2677	2608	2407	2337	2398	2342
65°	1482	1471	1456	1299	1269	1500
75°	671	635	556	633	640	737
85°	236	222	228	235	252	257
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1927.1	1927.1	1927.1	1927.1	1927.1
2.5°	1925.4	1927.1	1928.8	1930.4	1930.4
5°	1928.8	1930.4	1932.1	1938.8	1935.4
7.5°	1930.4	1932.1	1937.1	1947.1	1947.1
10°	1932.1	1937.1	1947.1	1957.1	1960.4
12.5°	1938.8	1943.8	1957.1	1970.4	1973.7
15°	1942.1	1952.1	1967.1	1978.7	1980.4
17.5°	1953.7	1963.7	1980.4	1985.4	1985.4
20°	1965.4	1978.7	1993.7	1993.7	1990.4
22.5°	1987.1	2002.0	2013.7	2003.7	1997.1
25°	2013.7	2032.0	2037.0	2018.7	2007.0
27.5°	2052.0	2075.3	2068.7	2043.7	2028.7
30°	2102.0	2132.0	2117.0	2080.3	2058.7
32.5°	2168.6	2205.3	2180.3	2133.6	2100.3
35°	2251.9	2295.2	2271.9	2195.3	2147.0
37.5°	2355.2	2400.1	2371.8	2273.5	2208.6
40°	2490.1	2513.4	2473.4	2366.8	2288.5
42.5°	2636.6	2625.0	2563.4	2465.1	2388.5
45°	2784.9	2716.6	2618.3	2550.0	2495.1
47.5°	2891.5	2764.9	2625.0	2590.0	2580.0
50°	2918.1	2754.9	2581.7	2568.4	2605.0
52.5°	2843.2	2701.6	2503.4	2480.1	2546.7
55°	2676.6	2608.3	2406.8	2336.8	2398.5
57.5°	2431.8	2426.8	2253.6	2128.6	2145.3
60°	2120.3	2140.3	2027.0	1850.5	1840.5
62.5°	1783.9	1795.5	1745.5	1562.3	1527.4
65°	1482.4	1470.7	1455.7	1299.2	1269.2
67.5°	1234.2	1199.2	1175.9	1081.0	1066.0
70°	1024.3	969.4	922.7	907.8	892.8
72.5°	829.5	789.5	714.5	756.2	754.5
75°	671.2	634.6	556.3	632.9	639.6
77.5°	549.6	524.7	449.7	519.7	541.3
80°	466.4	414.7	378.1	423.1	451.4
82.5°	356.4	316.5	308.1	326.5	353.1
85°	236.5	221.5	228.2	234.8	251.5
87.5°	119.9	128.3	138.2	149.9	158.2
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	19.7	21.5	20.1	21.8	22.1	18.8	20.6	19.2	20.9	21.2
	3H	20.8	22.4	21.2	22.8	23.1	19.9	21.5	20.3	21.9	22.2
	4H	21.2	22.7	21.6	23.1	23.4	20.4	21.9	20.8	22.3	22.6
	6H	21.6	23.0	22.0	23.3	23.7	20.8	22.3	21.2	22.6	23.0
	8H	21.7	23.1	22.1	23.5	23.9	21.0	22.4	21.5	22.8	23.2
	12H	21.8	23.2	22.3	23.5	24.0	21.2	22.5	21.6	22.9	23.3
4H	2H	20.1	21.6	20.5	22.0	22.4	19.4	20.9	19.8	21.2	21.6
	3H	21.4	22.7	21.8	23.1	23.5	20.7	22.0	21.1	22.4	22.8
	4H	21.9	23.1	22.3	23.5	23.9	21.3	22.4	21.7	22.8	23.3
	6H	22.4	23.4	22.8	23.8	24.3	21.8	22.9	22.3	23.3	23.7
	8H	22.6	23.6	23.1	24.0	24.5	22.1	23.1	22.6	23.5	24.0
	12H	22.8	23.7	23.3	24.1	24.6	22.3	23.2	22.8	23.7	24.1
8H	4H	22.1	23.0	22.5	23.5	23.9	21.5	22.4	21.9	22.9	23.3
	6H	22.7	23.5	23.2	23.9	24.4	22.2	23.0	22.7	23.5	23.9
	8H	23.0	23.7	23.5	24.2	24.7	22.5	23.2	23.0	23.7	24.2
	12H	23.3	23.9	23.8	24.4	24.9	22.9	23.5	23.4	24.0	24.6
12H	4H	22.1	23.0	22.6	23.4	23.9	21.5	22.4	22.0	22.8	23.3
	6H	22.7	23.4	23.2	23.9	24.4	22.2	23.0	22.8	23.4	24.0
	8H	23.1	23.7	23.6	24.2	24.7	22.6	23.3	23.2	23.8	24.3















(END OF REPORT)