

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: P1526953

Luminaire Tested: 24CGTX-90HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526953
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

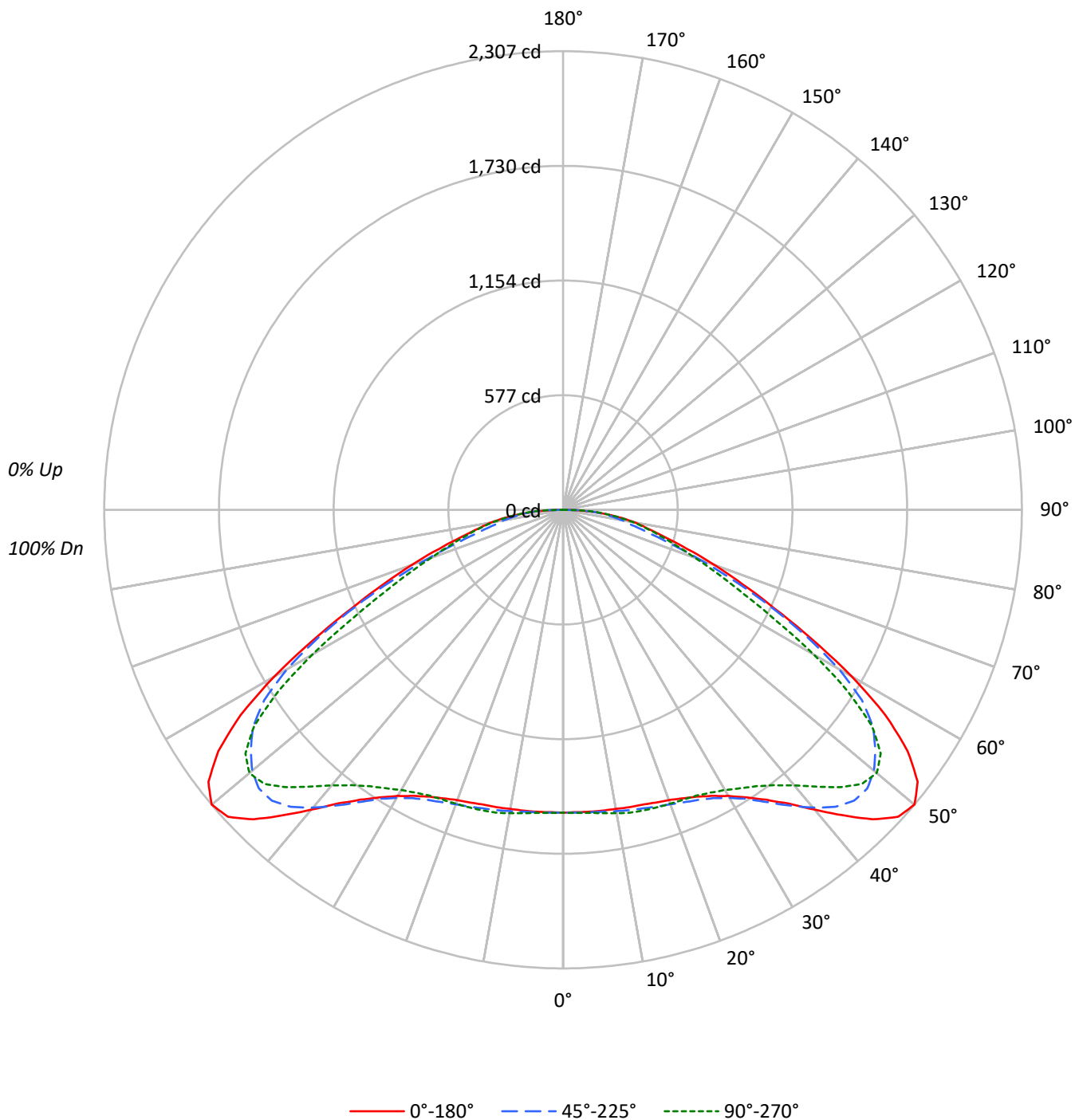
Lumens per Lamp: N/A
Luminaire Lumens: 7604.2 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	2050	2050	2050
5°	2059	2063	2066
10°	2087	2103	2117
15°	2138	2166	2181
20°	2225	2257	2253
25°	2363	2390	2355
30°	2582	2600	2528
35°	2924	2950	2788
40°	3457	3434	3177
45°	4189	3938	3753
50°	4828	4272	4310
55°	4963	4463	4447
60°	4510	4312	3915
65°	3731	3663	3194
70°	3185	2869	2776
75°	2758	2286	2628
80°	2857	2316	2765
85°	2887	2785	3069

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 4967 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	1.9
10°-20°	440.9	5.8
20°-30°	744.7	9.8
30°-40°	1121.1	14.7
40°-50°	1594.2	21.0
50°-60°	1710.9	22.5
60°-70°	1115.0	14.7
70°-80°	536.1	7.0
80°-90°	195.1	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°	1331.8	17.5
0°-40°	2453.0	32.3
0°-60°	5758.0	75.7
0°-90°	7604.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7604.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1523	1523	1523	1523	1523	
5°	1525	1526	1527	1532	1530	146
15°	1535	1543	1555	1564	1566	436
25°	1592	1606	1610	1596	1586	741
35°	1780	1814	1796	1735	1697	1130
45°	2201	2147	2070	2016	1972	1690
55°	2116	2062	1902	1847	1896	1851
65°	1172	1163	1151	1027	1003	1186
75°	531	502	440	500	506	583
85°	187	175	180	186	199	204
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1523.3	1523.3	1523.3	1523.3	1523.3
2.5°	1522.0	1523.3	1524.6	1526.0	1526.0
5°	1524.6	1526.0	1527.3	1532.5	1529.9
7.5°	1526.0	1527.3	1531.2	1539.1	1539.1
10°	1527.3	1531.2	1539.1	1547.0	1549.7
12.5°	1532.5	1536.5	1547.0	1557.6	1560.2
15°	1535.2	1543.1	1554.9	1564.1	1565.5
17.5°	1544.4	1552.3	1565.5	1569.4	1569.4
20°	1553.6	1564.1	1576.0	1576.0	1573.4
22.5°	1570.7	1582.6	1591.8	1583.9	1578.6
25°	1591.8	1606.3	1610.2	1595.7	1586.5
27.5°	1622.1	1640.5	1635.2	1615.5	1603.6
30°	1661.6	1685.3	1673.4	1644.5	1627.3
32.5°	1714.2	1743.2	1723.4	1686.6	1660.3
35°	1780.1	1814.3	1795.9	1735.3	1697.1
37.5°	1861.7	1897.2	1874.9	1797.2	1745.8
40°	1968.3	1986.8	1955.2	1870.9	1809.0
42.5°	2084.2	2075.0	2026.3	1948.6	1888.0
45°	2201.4	2147.4	2069.7	2015.7	1972.3
47.5°	2285.6	2185.6	2075.0	2047.3	2039.4
50°	2306.7	2177.7	2040.8	2030.2	2059.2
52.5°	2247.5	2135.5	1978.9	1960.4	2013.1
55°	2115.8	2061.8	1902.5	1847.2	1895.9
57.5°	1922.3	1918.3	1781.4	1682.6	1695.8
60°	1676.1	1691.9	1602.3	1462.8	1454.9
62.5°	1410.1	1419.3	1379.8	1235.0	1207.3
65°	1171.8	1162.6	1150.7	1027.0	1003.3
67.5°	975.6	948.0	929.5	854.5	842.6
70°	809.7	766.3	729.4	717.6	705.7
72.5°	655.7	624.1	564.8	597.7	596.4
75°	530.6	501.6	439.7	500.3	505.6
77.5°	434.5	414.7	355.5	410.8	427.9
80°	368.7	327.8	298.9	334.4	356.8
82.5°	281.8	250.2	243.6	258.1	279.1
85°	187.0	175.1	180.4	185.6	198.8
87.5°	94.8	101.4	109.3	118.5	125.1
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	18.9	20.7	19.3	21.0	21.3	18.0	19.8	18.3	20.1	20.4
	3H	20.0	21.6	20.4	21.9	22.3	19.1	20.7	19.5	21.1	21.4
	4H	20.4	21.9	20.8	22.3	22.6	19.6	21.1	20.0	21.4	21.8
	6H	20.7	22.2	21.2	22.5	22.9	20.0	21.4	20.4	21.8	22.2
	8H	20.9	22.3	21.3	22.6	23.0	20.2	21.6	20.6	22.0	22.4
	12H	21.0	22.3	21.5	22.7	23.1	20.4	21.7	20.8	22.1	22.5
4H	2H	19.3	20.8	19.7	21.2	21.5	18.5	20.1	18.9	20.4	20.8
	3H	20.6	21.9	21.0	22.3	22.7	19.9	21.1	20.3	21.5	21.9
	4H	21.1	22.2	21.5	22.7	23.1	20.4	21.6	20.9	22.0	22.4
	6H	21.6	22.6	22.0	23.0	23.5	21.0	22.0	21.5	22.5	22.9
	8H	21.8	22.7	22.3	23.2	23.7	21.3	22.2	21.7	22.7	23.1
	12H	22.0	22.9	22.5	23.3	23.8	21.5	22.4	22.0	22.9	23.3
8H	4H	21.2	22.2	21.7	22.6	23.1	20.7	21.6	21.1	22.0	22.5
	6H	21.8	22.6	22.3	23.1	23.6	21.4	22.2	21.8	22.6	23.1
	8H	22.1	22.9	22.6	23.4	23.8	21.7	22.4	22.2	22.9	23.4
	12H	22.4	23.1	22.9	23.6	24.1	22.1	22.7	22.6	23.2	23.7
12H	4H	21.3	22.1	21.7	22.6	23.1	20.7	21.6	21.2	22.0	22.5
	6H	21.9	22.6	22.4	23.1	23.6	21.4	22.2	21.9	22.6	23.1
	8H	22.2	22.9	22.8	23.4	23.9	21.8	22.5	22.3	23.0	23.5















(END OF REPORT)