

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: P1527380

Luminaire Tested: 24CGSB-80-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527380
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-80-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

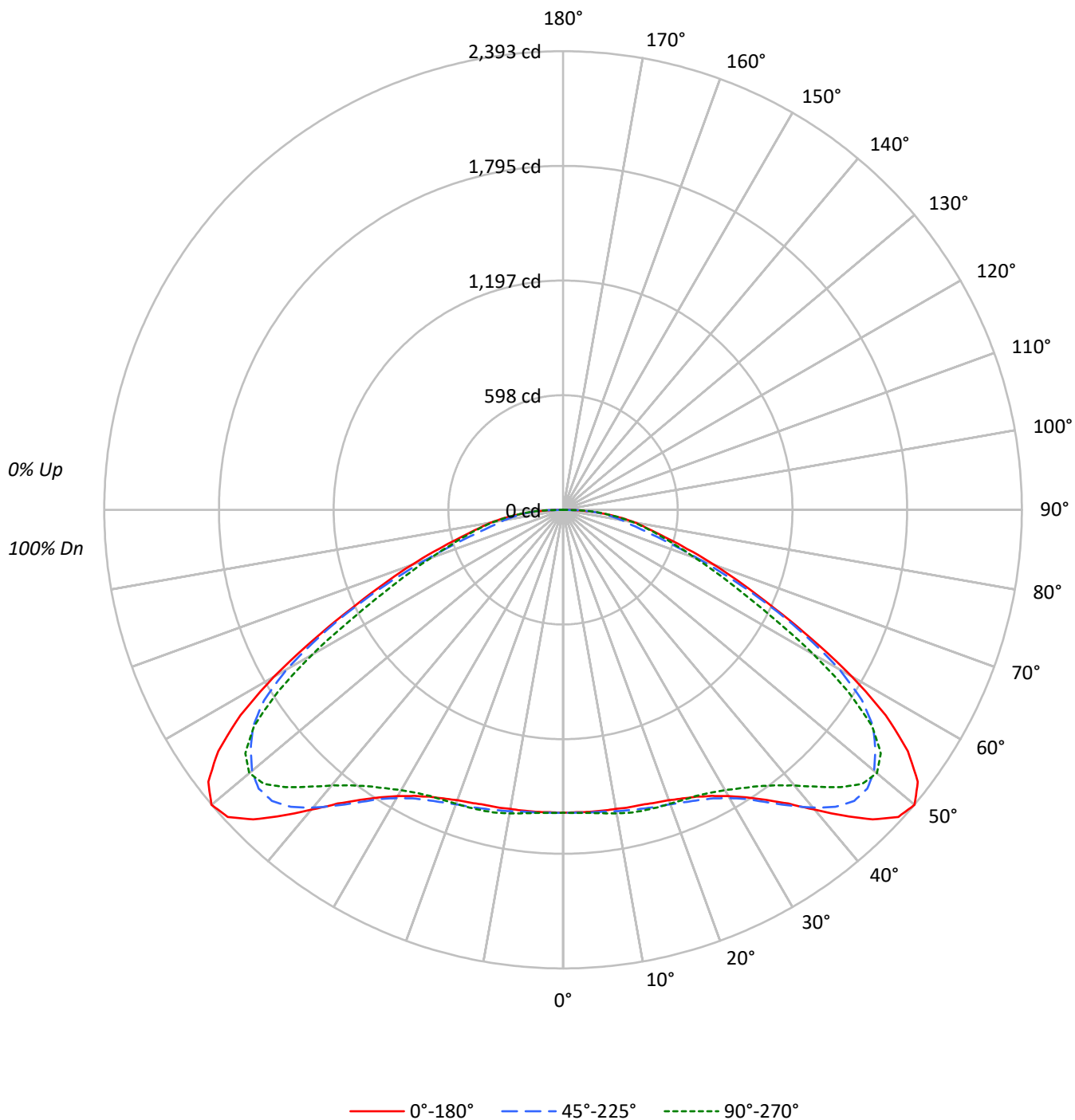
Lumens per Lamp: N/A
Luminaire Lumens: 7890.1 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.9
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
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°	2127	2127	2127
5°	2137	2140	2144
10°	2165	2182	2197
15°	2219	2247	2263
20°	2308	2341	2337
25°	2452	2480	2444
30°	2678	2698	2623
35°	3034	3061	2892
40°	3587	3563	3297
45°	4346	4086	3894
50°	5010	4432	4472
55°	5150	4631	4615
60°	4680	4474	4062
65°	3871	3801	3314
70°	3305	2977	2880
75°	2862	2372	2727
80°	2964	2403	2868
85°	2995	2890	3185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	1.9
10°-20°	457.5	5.8
20°-30°	772.7	9.8
30°-40°	1163.3	14.7
40°-50°	1654.1	21.0
50°-60°	1775.2	22.5
60°-70°	1156.9	14.7
70°-80°	556.3	7.1
80°-90°	202.5	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°	1381.9	17.5
0°-40°	2545.2	32.3
0°-60°	5974.5	75.7
0°-90°	7890.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7890.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1581	1581	1581	1581	1581	
5°	1582	1583	1585	1590	1587	151
15°	1593	1601	1613	1623	1624	453
25°	1652	1667	1671	1656	1646	769
35°	1847	1882	1863	1800	1761	1172
45°	2284	2228	2148	2092	2046	1754
55°	2195	2139	1974	1917	1967	1921
65°	1216	1206	1194	1066	1041	1230
75°	550	520	456	519	525	605
85°	194	182	187	193	206	211
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1580.6	1580.6	1580.6	1580.6	1580.6
2.5°	1579.2	1580.6	1582.0	1583.3	1583.3
5°	1582.0	1583.3	1584.7	1590.2	1587.4
7.5°	1583.3	1584.7	1588.8	1597.0	1597.0
10°	1584.7	1588.8	1597.0	1605.2	1607.9
12.5°	1590.2	1594.3	1605.2	1616.1	1618.8
15°	1592.9	1601.1	1613.4	1622.9	1624.3
17.5°	1602.4	1610.6	1624.3	1628.4	1628.4
20°	1612.0	1622.9	1635.2	1635.2	1632.5
22.5°	1629.8	1642.1	1651.6	1643.4	1638.0
25°	1651.6	1666.7	1670.8	1655.7	1646.2
27.5°	1683.0	1702.2	1696.7	1676.2	1663.9
30°	1724.0	1748.6	1736.3	1706.3	1688.5
32.5°	1778.7	1808.7	1788.2	1750.0	1722.7
35°	1847.0	1882.5	1863.4	1800.5	1760.9
37.5°	1931.7	1968.6	1945.3	1864.7	1811.5
40°	2042.3	2061.5	2028.7	1941.2	1877.0
42.5°	2162.6	2153.0	2102.4	2021.8	1959.0
45°	2284.1	2228.1	2147.5	2091.5	2046.4
47.5°	2371.6	2267.7	2153.0	2124.3	2116.1
50°	2393.4	2259.5	2117.5	2106.5	2136.6
52.5°	2332.0	2215.8	2053.3	2034.1	2088.8
55°	2195.3	2139.3	1974.0	1916.7	1967.2
57.5°	1994.5	1990.4	1848.3	1745.9	1759.6
60°	1739.1	1755.5	1662.6	1517.7	1509.6
62.5°	1463.1	1472.7	1431.7	1281.4	1252.7
65°	1215.8	1206.3	1194.0	1065.6	1041.0
67.5°	1012.3	983.6	964.5	886.6	874.3
70°	840.2	795.1	756.8	744.5	732.2
72.5°	680.3	647.5	586.1	620.2	618.8
75°	550.5	520.5	456.3	519.1	524.6
77.5°	450.8	430.3	368.9	426.2	444.0
80°	382.5	340.2	310.1	347.0	370.2
82.5°	292.3	259.6	252.7	267.8	289.6
85°	194.0	181.7	187.2	192.6	206.3
87.5°	98.4	105.2	113.4	123.0	129.8
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	19.0	20.8	19.4	21.1	21.4	18.1	19.9	18.5	20.2	20.5
	3H	20.1	21.7	20.5	22.1	22.4	19.2	20.9	19.6	21.2	21.5
	4H	20.5	22.0	20.9	22.4	22.8	19.7	21.2	20.1	21.6	21.9
	6H	20.9	22.3	21.3	22.7	23.0	20.1	21.6	20.6	21.9	22.3
	8H	21.0	22.4	21.5	22.8	23.2	20.3	21.7	20.8	22.1	22.5
	12H	21.2	22.5	21.6	22.8	23.3	20.5	21.8	20.9	22.2	22.6
4H	2H	19.4	21.0	19.8	21.3	21.7	18.7	20.2	19.1	20.5	20.9
	3H	20.7	22.0	21.1	22.4	22.8	20.0	21.3	20.4	21.7	22.1
	4H	21.2	22.4	21.6	22.8	23.2	20.6	21.7	21.0	22.1	22.6
	6H	21.7	22.7	22.2	23.2	23.6	21.1	22.2	21.6	22.6	23.1
	8H	21.9	22.9	22.4	23.3	23.8	21.4	22.4	21.9	22.8	23.3
	12H	22.1	23.0	22.6	23.5	23.9	21.7	22.5	22.1	23.0	23.5
8H	4H	21.4	22.3	21.8	22.8	23.2	20.8	21.7	21.2	22.2	22.6
	6H	22.0	22.8	22.5	23.3	23.7	21.5	22.3	22.0	22.8	23.2
	8H	22.3	23.0	22.8	23.5	24.0	21.8	22.6	22.3	23.1	23.5
	12H	22.6	23.2	23.1	23.7	24.2	22.2	22.8	22.7	23.3	23.9
12H	4H	21.4	22.3	21.9	22.7	23.2	20.8	21.7	21.3	22.2	22.6
	6H	22.0	22.8	22.5	23.2	23.7	21.6	22.3	22.1	22.7	23.3
	8H	22.4	23.0	22.9	23.5	24.1	22.0	22.6	22.5	23.1	23.6















(END OF REPORT)