

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: P1527319

Luminaire Tested: 22CGSB-80-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527319
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-80-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

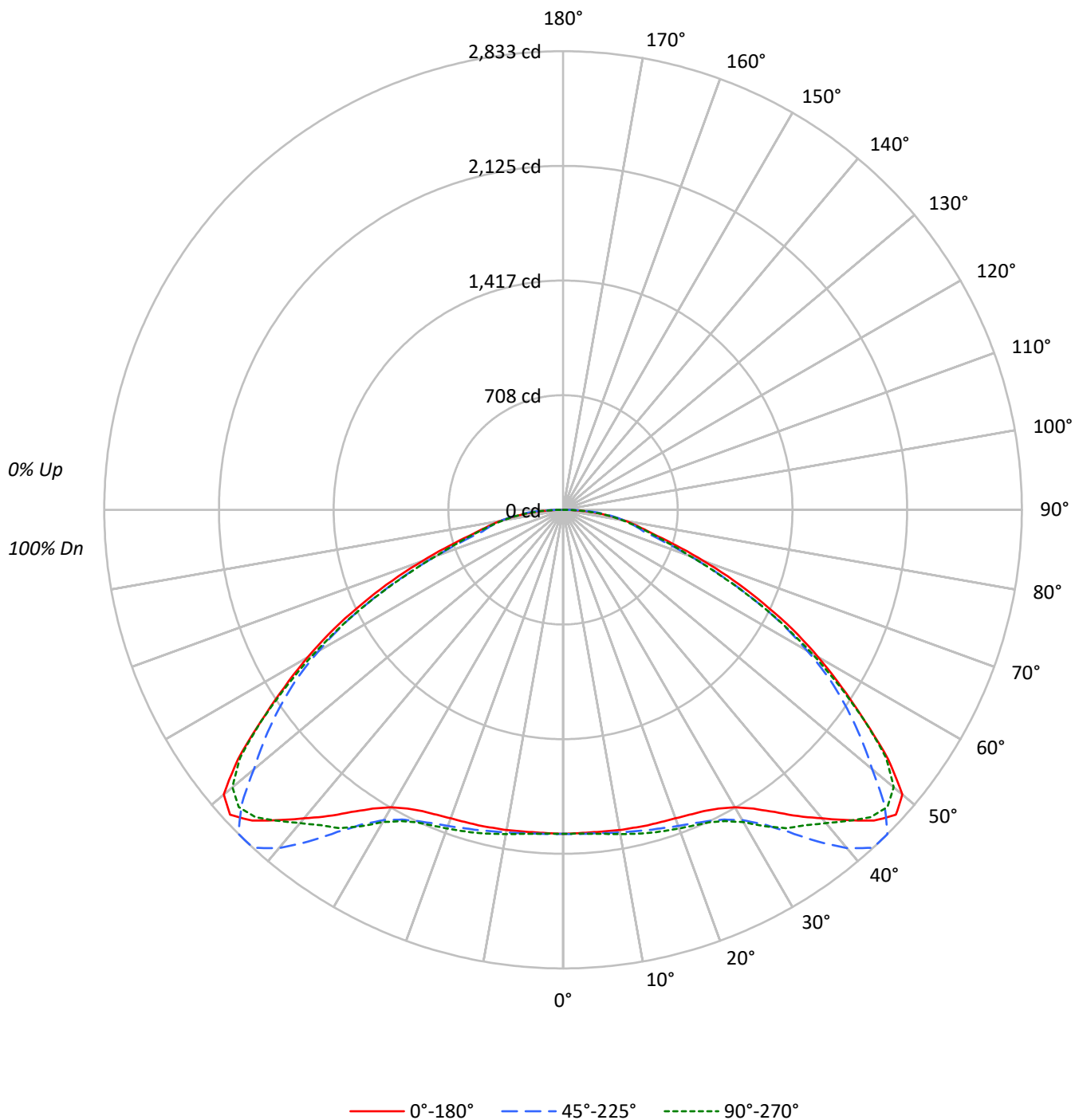
Lumens per Lamp: N/A
Luminaire Lumens: 9468.9 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 72.6
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°	5385	5385	5385
5°	5401	5421	5425
10°	5488	5527	5557
15°	5620	5705	5755
20°	5808	5951	5997
25°	6096	6298	6325
30°	6591	6875	6919
35°	7485	7979	7885
40°	8739	9581	8871
45°	10332	10781	10216
50°	11448	10430	11156
55°	10673	10044	10665
60°	9799	9375	9549
65°	8666	8176	8165
70°	7261	6543	6557
75°	5969	5356	5783
80°	6070	6042	5793
85°	5965	7179	6073

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 11448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.0	2.0
10°-20°	580.4	6.1
20°-30°	981.2	10.4
30°-40°	1508.7	15.9
40°-50°	2096.8	22.1
50°-60°	1973.8	20.8
60°-70°	1303.5	13.8
70°-80°	605.8	6.4
80°-90°	226.7	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°	1753.6	18.5
0°-40°	3262.3	34.5
0°-60°	7332.9	77.4
0°-90°	9468.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9468.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2001	2001	2001	2001	2001	
5°	2000	2005	2007	2010	2008	191
15°	2017	2026	2048	2062	2066	572
25°	2053	2080	2121	2134	2130	955
35°	2278	2359	2429	2420	2400	1442
45°	2715	2812	2833	2765	2684	2077
55°	2275	2243	2141	2214	2273	2038
65°	1361	1348	1284	1304	1282	1351
75°	574	553	515	531	556	642
85°	193	222	232	225	197	211
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2001.3	2001.3	2001.3	2001.3	2001.3
2.5°	1999.5	2003.1	2004.9	2006.7	2001.3
5°	1999.5	2004.9	2006.7	2010.3	2008.5
7.5°	2003.1	2008.5	2013.8	2017.4	2019.2
10°	2008.5	2013.8	2022.8	2033.5	2033.5
12.5°	2012.0	2021.0	2033.5	2047.8	2049.6
15°	2017.4	2026.4	2047.8	2062.1	2065.7
17.5°	2021.0	2035.3	2060.3	2078.2	2080.0
20°	2028.1	2044.2	2078.2	2094.3	2094.3
22.5°	2038.9	2060.3	2096.1	2110.4	2110.4
25°	2053.2	2080.0	2121.1	2133.7	2130.1
27.5°	2080.0	2112.2	2156.9	2171.2	2167.6
30°	2121.1	2164.1	2212.4	2230.2	2226.7
32.5°	2187.3	2241.0	2301.8	2317.9	2316.1
35°	2278.5	2359.0	2428.8	2419.8	2400.1
37.5°	2384.1	2503.9	2582.6	2498.5	2455.6
40°	2487.8	2650.5	2727.4	2591.5	2525.3
42.5°	2598.7	2765.0	2831.2	2698.8	2605.8
45°	2714.9	2811.5	2833.0	2765.0	2684.5
47.5°	2788.2	2738.2	2691.7	2732.8	2716.7
50°	2734.6	2566.5	2491.4	2570.1	2664.8
52.5°	2530.7	2407.3	2319.7	2393.0	2512.8
55°	2275.0	2242.8	2140.8	2214.1	2273.2
57.5°	2040.7	2065.7	1954.8	2010.3	2019.2
60°	1820.7	1838.6	1742.0	1788.5	1774.2
62.5°	1597.1	1598.9	1523.8	1550.6	1529.2
65°	1361.0	1348.5	1284.1	1303.8	1282.3
67.5°	1139.3	1110.6	1049.8	1058.8	1039.1
70°	922.9	888.9	831.6	844.2	833.4
72.5°	729.7	702.9	652.8	668.9	679.6
75°	574.1	552.6	515.1	531.2	556.2
77.5°	475.7	448.9	452.5	441.8	459.6
80°	391.7	375.6	389.9	379.2	373.8
82.5°	291.5	307.6	313.0	318.4	291.5
85°	193.2	221.8	232.5	225.3	196.7
87.5°	94.8	119.8	123.4	121.6	101.9
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	21.1	22.8	21.4	23.1	23.5	20.9	22.7	21.3	23.0	23.3
	3H	22.3	23.9	22.7	24.3	24.6	22.1	23.7	22.4	24.0	24.3
	4H	22.7	24.2	23.1	24.6	25.0	22.5	24.0	22.9	24.3	24.7
	6H	23.1	24.5	23.5	24.8	25.2	22.8	24.2	23.2	24.6	25.0
	8H	23.2	24.6	23.7	24.9	25.3	23.0	24.3	23.4	24.7	25.1
	12H	23.4	24.6	23.8	25.0	25.4	23.1	24.4	23.5	24.8	25.2
4H	2H	21.5	23.0	21.9	23.4	23.7	21.4	22.9	21.8	23.2	23.6
	3H	23.0	24.2	23.4	24.6	25.0	22.7	24.0	23.1	24.4	24.8
	4H	23.5	24.6	23.9	25.0	25.4	23.2	24.3	23.6	24.8	25.2
	6H	23.9	24.9	24.4	25.4	25.8	23.7	24.7	24.2	25.1	25.6
	8H	24.2	25.1	24.6	25.5	26.0	23.9	24.9	24.4	25.3	25.8
	12H	24.3	25.2	24.8	25.7	26.1	24.1	25.0	24.6	25.5	25.9
8H	4H	23.6	24.6	24.1	25.0	25.5	23.4	24.3	23.9	24.8	25.3
	6H	24.3	25.0	24.7	25.5	26.0	24.1	24.8	24.5	25.3	25.8
	8H	24.6	25.3	25.1	25.8	26.3	24.4	25.1	24.9	25.6	26.1
	12H	24.9	25.5	25.4	26.0	26.5	24.7	25.3	25.2	25.8	26.4
12H	4H	23.7	24.5	24.2	25.0	25.5	23.5	24.3	23.9	24.8	25.2
	6H	24.3	25.0	24.8	25.5	26.0	24.1	24.8	24.6	25.3	25.8
	8H	24.7	25.3	25.2	25.8	26.4	24.5	25.2	25.0	25.6	26.2















(END OF REPORT)