

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: P1527325

Luminaire Tested: 24CGSB-30-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527325
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-30-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

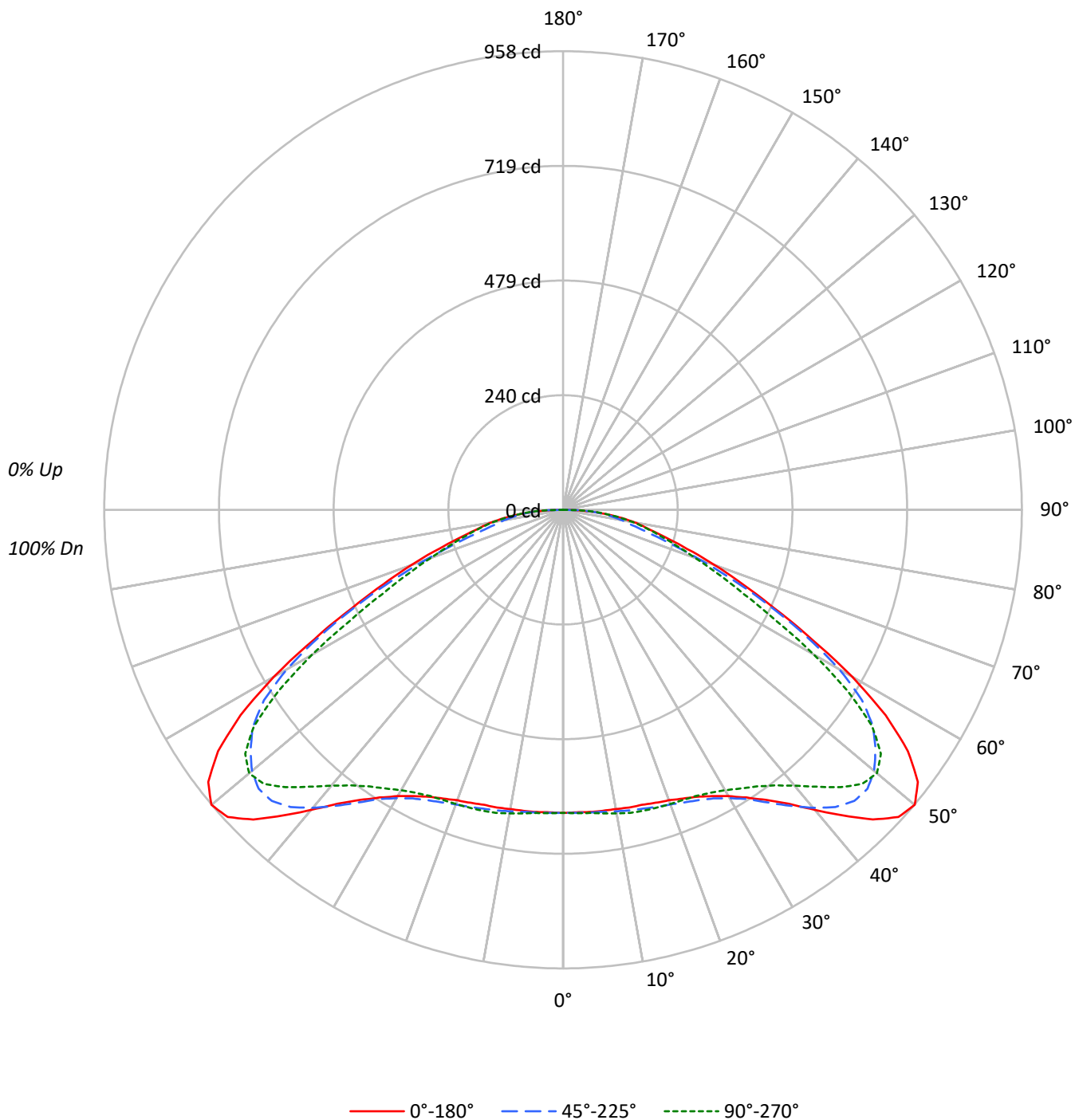
Lumens per Lamp: N/A
Luminaire Lumens: 3159.7 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.4
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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	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°	852	852	852
5°	856	857	859
10°	867	874	880
15°	889	900	906
20°	924	938	936
25°	982	993	979
30°	1073	1080	1051
35°	1215	1226	1158
40°	1437	1427	1320
45°	1740	1636	1559
50°	2006	1775	1791
55°	2062	1854	1848
60°	1874	1792	1627
65°	1550	1522	1327
70°	1324	1192	1153
75°	1146	950	1092
80°	1187	962	1149
85°	1200	1156	1275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	1.9
10°-20°	183.2	5.8
20°-30°	309.5	9.8
30°-40°	465.8	14.7
40°-50°	662.4	21.0
50°-60°	710.9	22.5
60°-70°	463.3	14.7
70°-80°	222.8	7.1
80°-90°	81.1	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°	553.4	17.5
0°-40°	1019.2	32.3
0°-60°	2392.6	75.7
0°-90°	3159.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3159.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	634	634	635	637	636	61
15°	638	641	646	650	650	181
25°	661	667	669	663	659	308
35°	740	754	746	721	705	469
45°	915	892	860	838	820	702
55°	879	857	790	768	788	769
65°	487	483	478	427	417	493
75°	220	208	183	208	210	242
85°	78	73	75	77	83	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	633.0	633.0	633.0	633.0	633.0
2.5°	632.4	633.0	633.5	634.1	634.1
5°	633.5	634.1	634.6	636.8	635.7
7.5°	634.1	634.6	636.3	639.5	639.5
10°	634.6	636.3	639.5	642.8	643.9
12.5°	636.8	638.4	642.8	647.2	648.3
15°	637.9	641.2	646.1	649.9	650.5
17.5°	641.7	645.0	650.5	652.1	652.1
20°	645.6	649.9	654.9	654.9	653.8
22.5°	652.7	657.6	661.4	658.1	655.9
25°	661.4	667.4	669.1	663.1	659.2
27.5°	674.0	681.7	679.5	671.3	666.3
30°	690.4	700.3	695.3	683.3	676.2
32.5°	712.3	724.3	716.1	700.8	689.9
35°	739.6	753.9	746.2	721.0	705.2
37.5°	773.6	788.3	779.0	746.8	725.4
40°	817.9	825.5	812.4	777.4	751.7
42.5°	866.0	862.2	842.0	809.7	784.5
45°	914.7	892.3	860.0	837.6	819.5
47.5°	949.7	908.1	862.2	850.7	847.4
50°	958.5	904.9	848.0	843.6	855.6
52.5°	933.9	887.4	822.3	814.6	836.5
55°	879.2	856.7	790.5	767.6	787.8
57.5°	798.7	797.1	740.2	699.2	704.6
60°	696.4	703.0	665.8	607.8	604.5
62.5°	585.9	589.7	573.3	513.2	501.7
65°	486.9	483.1	478.1	426.7	416.9
67.5°	405.4	393.9	386.2	355.1	350.1
70°	336.5	318.4	303.1	298.2	293.2
72.5°	272.4	259.3	234.7	248.4	247.8
75°	220.5	208.4	182.7	207.9	210.1
77.5°	180.5	172.3	147.7	170.7	177.8
80°	153.2	136.2	124.2	139.0	148.3
82.5°	117.1	103.9	101.2	107.2	116.0
85°	77.7	72.8	74.9	77.1	82.6
87.5°	39.4	42.1	45.4	49.2	52.0
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	15.8	17.6	16.2	17.9	18.2	14.9	16.7	15.3	17.0	17.3
	3H	16.9	18.6	17.3	18.9	19.2	16.1	17.7	16.4	18.0	18.4
	4H	17.3	18.9	17.7	19.2	19.6	16.5	18.1	16.9	18.4	18.8
	6H	17.7	19.1	18.1	19.5	19.9	17.0	18.4	17.4	18.7	19.1
	8H	17.8	19.2	18.3	19.6	20.0	17.2	18.5	17.6	18.9	19.3
	12H	18.0	19.3	18.4	19.7	20.1	17.3	18.6	17.8	19.0	19.4
4H	2H	16.2	17.8	16.6	18.1	18.5	15.5	17.0	15.9	17.4	17.7
	3H	17.5	18.8	17.9	19.2	19.6	16.8	18.1	17.2	18.5	18.9
	4H	18.0	19.2	18.5	19.6	20.0	17.4	18.6	17.8	19.0	19.4
	6H	18.5	19.5	19.0	20.0	20.4	18.0	19.0	18.4	19.4	19.9
	8H	18.7	19.7	19.2	20.1	20.6	18.2	19.2	18.7	19.6	20.1
	12H	18.9	19.8	19.4	20.3	20.7	18.5	19.3	19.0	19.8	20.3
8H	4H	18.2	19.1	18.6	19.6	20.0	17.6	18.6	18.1	19.0	19.5
	6H	18.8	19.6	19.3	20.1	20.5	18.3	19.1	18.8	19.6	20.1
	8H	19.1	19.8	19.6	20.3	20.8	18.7	19.4	19.2	19.9	20.4
	12H	19.4	20.0	19.9	20.5	21.1	19.0	19.7	19.5	20.1	20.7
12H	4H	18.2	19.1	18.7	19.6	20.0	17.6	18.5	18.1	19.0	19.4
	6H	18.9	19.6	19.4	20.0	20.6	18.4	19.1	18.9	19.6	20.1
	8H	19.2	19.8	19.7	20.3	20.9	18.8	19.4	19.3	19.9	20.5















(END OF REPORT)