

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: P1584091

Luminaire Tested: 14CGSB-30-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-30-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

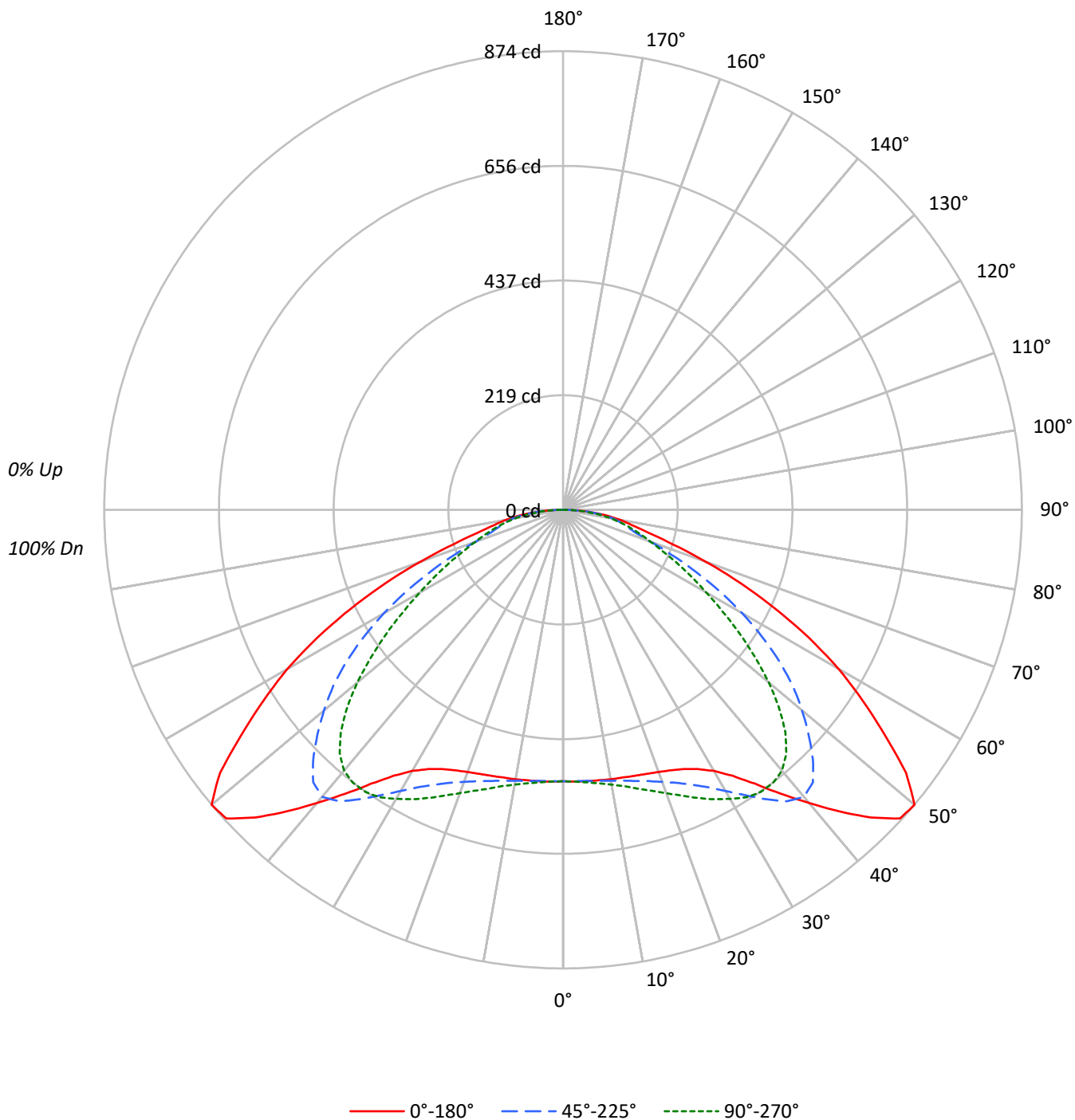
Lumens per Lamp: N/A
Luminaire Lumens: 2422.6 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83		
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68		
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56		
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47		
5	73	60	50	43	71	59	50	43	56	49	43	54	48	42	53	46	42	39		
6	67	53	44	37	65	52	43	37	50	42	36	49	42	36	47	41	36	34		
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29		
8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	39	32	27	25		
9	53	39	31	25	52	39	30	25	37	30	24	36	29	24	35	29	24	22		
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	32	26	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1392	1392	1392
5°	1402	1401	1408
10°	1424	1432	1453
15°	1462	1490	1532
20°	1523	1579	1645
25°	1618	1715	1798
30°	1785	1922	1976
35°	2093	2212	2156
40°	2562	2508	2279
45°	3155	2562	2278
50°	3659	2488	2141
55°	3510	2359	1925
60°	3261	2117	1695
65°	2840	1773	1519
70°	2272	1393	1393
75°	1744	1321	1384
80°	1711	1526	1409
85°	1720	1689	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3659 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	2.1
10°-20°	152.7	6.3
20°-30°	268.8	11.1
30°-40°	416.3	17.2
40°-50°	530.4	21.9
50°-60°	482.5	19.9
60°-70°	312.9	12.9
70°-80°	152.2	6.3
80°-90°	57.0	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°	471.2	19.5
0°-40°	887.5	36.6
0°-60°	1900.4	78.4
0°-90°	2422.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2422.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	517	517	517	517	517	
5°	519	520	518	520	521	50
15°	525	528	535	545	550	149
25°	545	556	578	598	606	254
35°	637	665	673	662	656	406
45°	829	778	673	614	599	637
55°	748	656	503	433	410	668
65°	446	395	278	241	238	442
75°	168	154	127	121	133	190
85°	56	61	55	50	45	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	517.3	517.3	517.3	517.3	517.3
2.5°	518.2	518.8	517.3	517.6	518.5
5°	519.1	519.8	518.5	519.5	521.3
7.5°	519.8	521.0	521.0	523.2	525.7
10°	521.3	522.6	524.2	528.6	531.7
12.5°	522.6	524.8	528.6	535.8	539.3
15°	524.8	528.3	534.9	544.9	550.0
17.5°	527.6	532.7	542.1	555.3	561.3
20°	531.7	538.3	551.5	567.3	574.5
22.5°	537.1	545.9	562.9	581.4	589.3
25°	544.9	556.3	577.7	598.1	605.7
27.5°	556.9	571.1	595.6	616.0	621.7
30°	574.5	592.1	618.6	632.7	635.9
32.5°	600.6	623.3	644.4	649.1	649.7
35°	637.1	664.8	673.3	662.3	656.3
37.5°	681.8	712.6	700.1	667.3	656.6
40°	729.3	754.5	713.9	663.2	648.8
42.5°	779.7	778.4	704.5	645.3	629.6
45°	829.1	778.1	673.3	614.5	598.7
47.5°	870.6	754.5	634.6	576.4	557.8
50°	874.0	723.7	594.3	530.2	511.3
52.5°	823.7	693.1	551.9	482.3	460.6
55°	748.2	656.3	502.8	433.2	410.3
57.5°	676.8	608.2	449.3	382.6	359.9
60°	606.0	546.2	393.3	333.5	314.9
62.5°	527.6	474.1	336.0	284.7	275.0
65°	446.1	395.2	278.4	241.3	238.5
67.5°	367.2	320.3	223.4	200.4	203.9
70°	288.8	253.0	177.1	171.8	177.1
72.5°	219.6	199.5	144.1	145.4	154.2
75°	167.7	153.5	127.1	121.1	133.1
77.5°	134.3	125.2	112.6	103.8	112.6
80°	110.4	108.2	98.5	88.1	90.9
82.5°	83.4	85.0	77.4	72.1	68.6
85°	55.7	60.7	54.7	50.0	44.7
87.5°	28.0	34.0	28.9	25.8	23.0
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	17.5	19.2	17.9	19.5	19.9	14.1	15.8	14.4	16.1	16.4
	3H	18.8	20.4	19.2	20.7	21.0	15.3	16.9	15.7	17.2	17.6
	4H	19.1	20.6	19.5	21.0	21.3	15.9	17.4	16.3	17.7	18.1
	6H	19.4	20.8	19.9	21.2	21.6	16.5	17.8	16.9	18.2	18.6
	8H	19.6	20.9	20.0	21.3	21.7	16.7	18.0	17.1	18.4	18.8
	12H	19.7	20.9	20.1	21.3	21.7	16.9	18.1	17.3	18.5	18.9
4H	2H	17.7	19.1	18.1	19.5	19.9	14.7	16.2	15.1	16.5	16.9
	3H	19.1	20.4	19.5	20.8	21.2	16.2	17.4	16.6	17.8	18.2
	4H	19.6	20.7	20.0	21.1	21.6	16.8	18.0	17.3	18.4	18.8
	6H	20.1	21.0	20.5	21.5	21.9	17.5	18.5	18.0	18.9	19.4
	8H	20.3	21.2	20.7	21.6	22.1	17.8	18.7	18.3	19.2	19.6
	12H	20.4	21.3	20.9	21.7	22.2	18.1	18.9	18.6	19.4	19.8
8H	4H	19.7	20.6	20.2	21.1	21.5	17.2	18.1	17.6	18.5	19.0
	6H	20.3	21.1	20.8	21.5	22.0	18.0	18.8	18.5	19.3	19.8
	8H	20.6	21.3	21.1	21.8	22.3	18.4	19.1	18.9	19.6	20.1
	12H	20.9	21.5	21.4	22.0	22.5	18.8	19.4	19.3	19.9	20.5
12H	4H	19.7	20.6	20.2	21.0	21.5	17.3	18.1	17.7	18.6	19.0
	6H	20.3	21.0	20.9	21.5	22.0	18.2	18.9	18.7	19.3	19.8
	8H	20.7	21.3	21.2	21.8	22.3	18.6	19.2	19.1	19.7	20.3













(END OF REPORT)