

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: P1584089

Luminaire Tested: 14CGSB-30-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584089
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

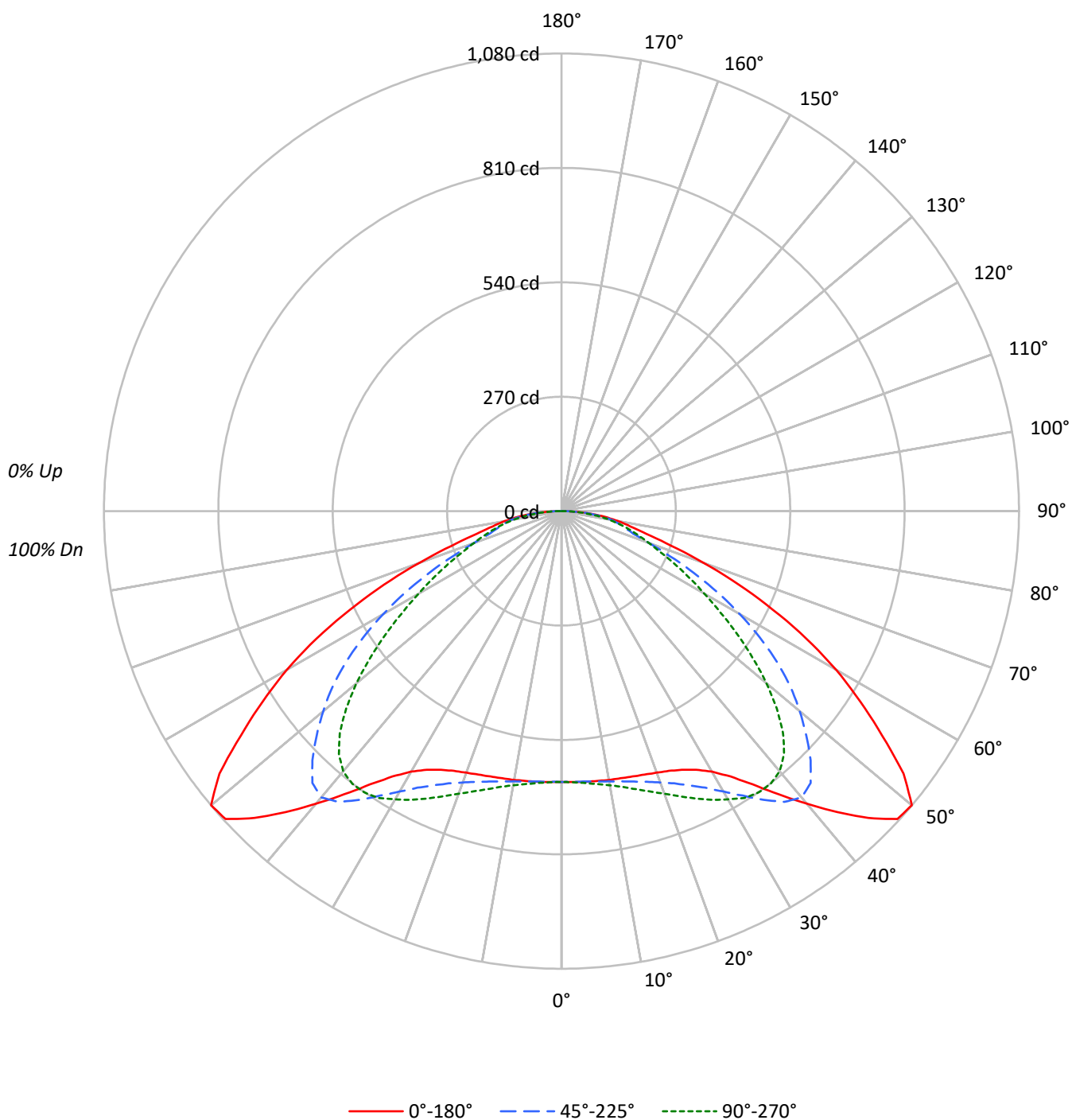
Lumens per Lamp: N/A
Luminaire Lumens: 2992.6 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				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	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°	1720	1720	1720
5°	1732	1730	1740
10°	1760	1769	1795
15°	1806	1841	1893
20°	1881	1951	2032
25°	1999	2119	2222
30°	2205	2374	2441
35°	2585	2732	2663
40°	3165	3098	2815
45°	3897	3165	2815
50°	4520	3074	2644
55°	4336	2914	2378
60°	4029	2615	2094
65°	3509	2190	1876
70°	2807	1721	1721
75°	2154	1632	1709
80°	2114	1886	1740
85°	2124	2087	1704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	2.1
10°-20°	188.6	6.3
20°-30°	332.0	11.1
30°-40°	514.3	17.2
40°-50°	655.1	21.9
50°-60°	596.1	19.9
60°-70°	386.6	12.9
70°-80°	188.0	6.3
80°-90°	70.4	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°	582.1	19.5
0°-40°	1096.4	36.6
0°-60°	2347.6	78.4
0°-90°	2992.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	639	639	639	639	639	
5°	641	642	640	642	644	61
15°	648	653	661	673	679	184
25°	673	687	714	739	748	314
35°	787	821	832	818	811	501
45°	1024	961	832	759	740	787
55°	924	811	621	535	507	825
65°	551	488	344	298	295	546
75°	207	190	157	150	164	235
85°	69	75	68	62	55	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	639.0	639.0	639.0	639.0	639.0
2.5°	640.1	640.9	639.0	639.3	640.5
5°	641.3	642.1	640.5	641.7	644.0
7.5°	642.1	643.6	643.6	646.3	649.5
10°	644.0	645.6	647.5	653.0	656.8
12.5°	645.6	648.3	653.0	661.9	666.2
15°	648.3	652.6	660.7	673.2	679.4
17.5°	651.8	658.0	669.7	686.0	693.4
20°	656.8	665.0	681.3	700.8	709.7
22.5°	663.4	674.3	695.3	718.2	728.0
25°	673.2	687.2	713.6	738.8	748.2
27.5°	687.9	705.4	735.7	761.0	768.0
30°	709.7	731.5	764.1	781.6	785.5
32.5°	742.0	769.9	796.0	801.8	802.6
35°	787.0	821.2	831.7	818.1	810.7
37.5°	842.2	880.3	864.8	824.4	811.1
40°	900.9	932.0	881.9	819.3	801.4
42.5°	963.1	961.6	870.2	797.1	777.7
45°	1024.1	961.2	831.7	759.1	739.6
47.5°	1075.4	932.0	783.9	712.0	689.1
50°	1079.7	893.9	734.2	654.9	631.6
52.5°	1017.5	856.2	681.7	595.8	569.0
55°	924.2	810.7	621.1	535.2	506.8
57.5°	836.0	751.3	555.0	472.6	444.6
60°	748.6	674.7	485.8	412.0	389.1
62.5°	651.8	585.7	415.1	351.7	339.7
65°	551.1	488.2	344.0	298.1	294.6
67.5°	453.6	395.7	276.0	247.6	251.9
70°	356.8	312.5	218.8	212.2	218.8
72.5°	271.3	246.4	178.0	179.6	190.4
75°	207.2	189.7	157.0	149.6	164.4
77.5°	166.0	154.7	139.1	128.3	139.1
80°	136.4	133.7	121.7	108.8	112.3
82.5°	103.0	104.9	95.6	89.0	84.7
85°	68.8	75.0	67.6	61.8	55.2
87.5°	34.6	42.0	35.8	31.9	28.4
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	18.2	20.0	18.6	20.3	20.6	14.8	16.5	15.2	16.8	17.1
	3H	19.5	21.1	19.9	21.4	21.8	16.1	17.6	16.5	18.0	18.3
	4H	19.9	21.4	20.3	21.7	22.1	16.6	18.1	17.0	18.5	18.8
	6H	20.2	21.5	20.6	21.9	22.3	17.2	18.6	17.6	18.9	19.3
	8H	20.3	21.6	20.7	22.0	22.4	17.4	18.7	17.8	19.1	19.5
	12H	20.4	21.7	20.8	22.1	22.5	17.6	18.8	18.0	19.2	19.6
4H	2H	18.4	19.9	18.8	20.2	20.6	15.5	16.9	15.9	17.3	17.6
	3H	19.9	21.1	20.3	21.5	21.9	16.9	18.1	17.3	18.5	18.9
	4H	20.3	21.5	20.8	21.9	22.3	17.6	18.7	18.0	19.1	19.5
	6H	20.8	21.8	21.2	22.2	22.7	18.3	19.2	18.7	19.7	20.1
	8H	21.0	21.9	21.5	22.4	22.8	18.6	19.5	19.0	19.9	20.4
	12H	21.2	22.0	21.7	22.5	22.9	18.8	19.6	19.3	20.1	20.6
8H	4H	20.4	21.4	20.9	21.8	22.3	17.9	18.8	18.4	19.3	19.7
	6H	21.0	21.8	21.5	22.3	22.8	18.8	19.5	19.3	20.0	20.5
	8H	21.3	22.0	21.8	22.5	23.0	19.2	19.9	19.7	20.4	20.8
	12H	21.6	22.2	22.1	22.7	23.3	19.5	20.1	20.0	20.6	21.2
12H	4H	20.5	21.3	20.9	21.8	22.2	18.0	18.8	18.5	19.3	19.8
	6H	21.1	21.8	21.6	22.2	22.8	18.9	19.6	19.4	20.0	20.6
	8H	21.4	22.0	21.9	22.5	23.1	19.4	20.0	19.9	20.5	21.0















(END OF REPORT)