

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: P1584090

Luminaire Tested: 14CGSB-30-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584090
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

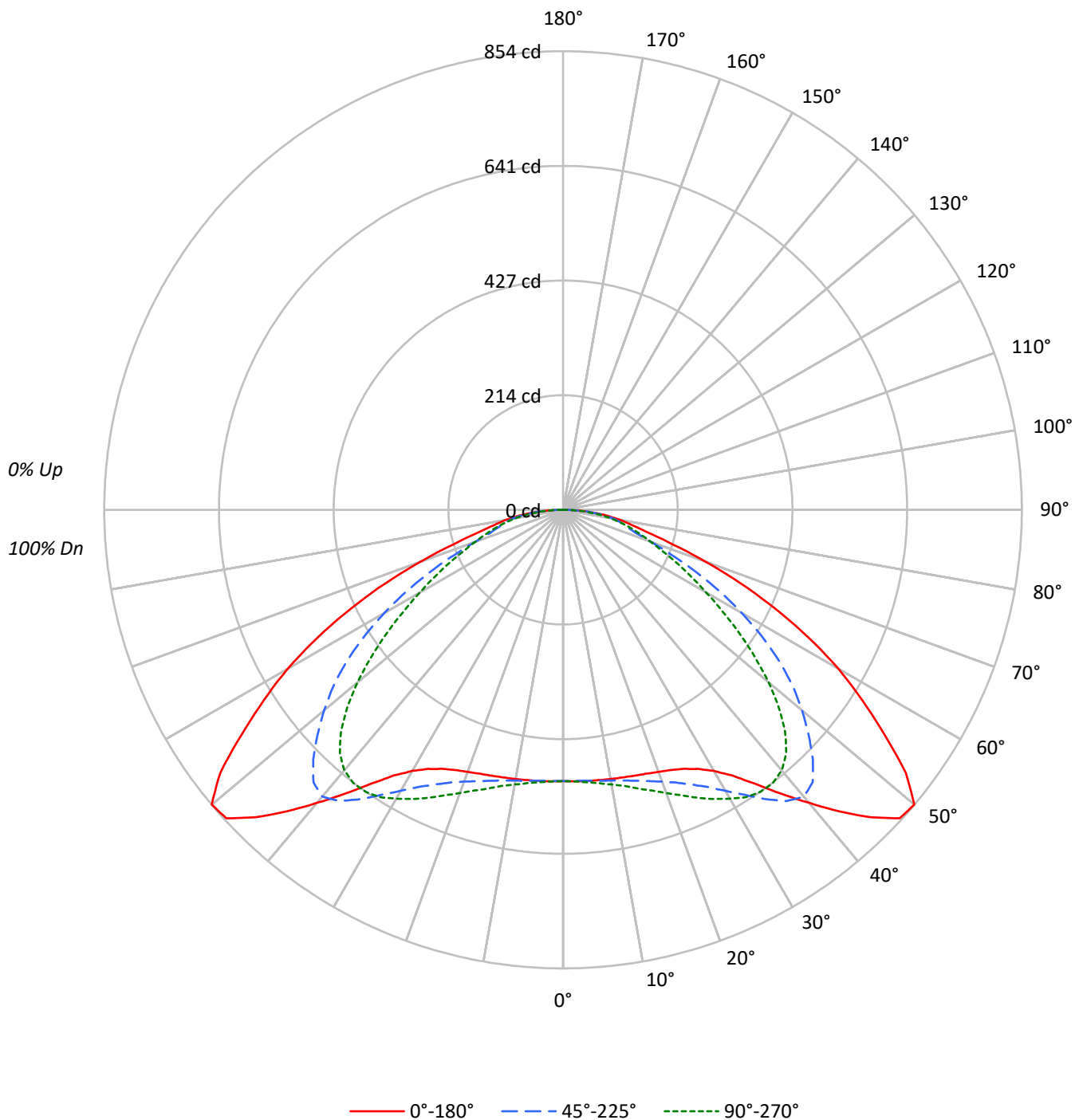
Lumens per Lamp: N/A
Luminaire Lumens: 2365.6 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1584090

CATALOG NUMBER: 14CGSB-30-A125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1584090

CATALOG NUMBER: 14CGSB-30-A125-L930

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		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°	1359	1359	1359
5°	1369	1368	1375
10°	1391	1398	1419
15°	1428	1455	1496
20°	1487	1542	1607
25°	1580	1675	1756
30°	1743	1877	1929
35°	2044	2160	2105
40°	2502	2449	2225
45°	3081	2502	2225
50°	3573	2430	2090
55°	3428	2304	1879
60°	3185	2067	1655
65°	2774	1731	1483
70°	2219	1361	1361
75°	1703	1290	1352
80°	1671	1491	1376
85°	1680	1652	1346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3573 cd/sqm

TEST NUMBER: P1584090

CATALOG NUMBER: 14CGSB-30-A125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	2.1
10°-20°	149.1	6.3
20°-30°	262.4	11.1
30°-40°	406.5	17.2
40°-50°	517.9	21.9
50°-60°	471.2	19.9
60°-70°	305.6	12.9
70°-80°	148.6	6.3
80°-90°	55.7	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°	460.1	19.5
0°-40°	866.6	36.6
0°-60°	1855.7	78.4
0°-90°	2365.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2365.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	507	508	506	507	509	48
15°	512	516	522	532	537	146
25°	532	543	564	584	591	248
35°	622	649	658	647	641	396
45°	810	760	658	600	585	622
55°	731	641	491	423	401	652
65°	436	386	272	236	233	431
75°	164	150	124	118	130	186
85°	54	59	54	49	44	59
90°	0	0	0	0	0	

TEST NUMBER: P1584090

CATALOG NUMBER: 14CGSB-30-A125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	505.1	505.1	505.1	505.1	505.1
2.5°	506.0	506.6	505.1	505.4	506.3
5°	506.9	507.5	506.3	507.2	509.1
7.5°	507.5	508.8	508.8	510.9	513.4
10°	509.1	510.3	511.8	516.1	519.2
12.5°	510.3	512.5	516.1	523.2	526.6
15°	512.5	515.8	522.3	532.1	537.0
17.5°	515.2	520.1	529.4	542.3	548.1
20°	519.2	525.7	538.6	553.9	561.0
22.5°	524.4	533.0	549.6	567.8	575.4
25°	532.1	543.2	564.1	584.0	591.4
27.5°	543.8	557.6	581.6	601.6	607.1
30°	561.0	578.2	604.0	617.8	620.9
32.5°	586.5	608.6	629.2	633.8	634.4
35°	622.1	649.2	657.5	646.7	640.9
37.5°	665.8	695.9	683.6	651.6	641.2
40°	712.2	736.7	697.1	647.6	633.5
42.5°	761.3	760.1	687.9	630.1	614.8
45°	809.5	759.8	657.5	600.0	584.7
47.5°	850.1	736.7	619.7	562.8	544.7
50°	853.5	706.6	580.4	517.7	499.2
52.5°	804.3	676.8	538.9	471.0	449.8
55°	730.6	640.9	491.0	423.1	400.6
57.5°	660.8	593.9	438.7	373.6	351.5
60°	591.7	533.3	384.0	325.7	307.5
62.5°	515.2	463.0	328.1	278.0	268.5
65°	435.6	385.9	271.9	235.6	232.9
67.5°	358.5	312.8	218.1	195.7	199.1
70°	282.0	247.0	173.0	167.7	173.0
72.5°	214.4	194.8	140.7	141.9	150.5
75°	163.8	149.9	124.1	118.3	130.0
77.5°	131.2	122.3	110.0	101.4	110.0
80°	107.8	105.7	96.2	86.0	88.8
82.5°	81.4	83.0	75.6	70.4	67.0
85°	54.4	59.3	53.5	48.8	43.6
87.5°	27.3	33.2	28.3	25.2	22.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584090

CATALOG NUMBER: 14CGSB-30-A125-L930

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	17.4	19.2	17.8	19.5	19.8	14.0	15.7	14.3	16.0	16.3
	3H	18.7	20.3	19.1	20.6	21.0	15.3	16.8	15.6	17.1	17.5
	4H	19.1	20.5	19.5	20.9	21.3	15.8	17.3	16.2	17.6	18.0
	6H	19.4	20.7	19.8	21.1	21.5	16.4	17.7	16.8	18.1	18.5
	8H	19.5	20.8	19.9	21.2	21.6	16.6	17.9	17.0	18.3	18.7
	12H	19.6	20.9	20.0	21.2	21.7	16.8	18.0	17.2	18.4	18.8
4H	2H	17.6	19.1	18.0	19.4	19.8	14.6	16.1	15.0	16.5	16.8
	3H	19.1	20.3	19.5	20.7	21.1	16.1	17.3	16.5	17.7	18.1
	4H	19.5	20.6	20.0	21.1	21.5	16.8	17.9	17.2	18.3	18.7
	6H	20.0	21.0	20.4	21.4	21.8	17.4	18.4	17.9	18.9	19.3
	8H	20.2	21.1	20.6	21.5	22.0	17.7	18.7	18.2	19.1	19.6
	12H	20.4	21.2	20.8	21.7	22.1	18.0	18.8	18.5	19.3	19.8
8H	4H	19.6	20.5	20.1	21.0	21.4	17.1	18.0	17.6	18.5	18.9
	6H	20.2	21.0	20.7	21.5	21.9	17.9	18.7	18.4	19.2	19.7
	8H	20.5	21.2	21.0	21.7	22.2	18.4	19.0	18.9	19.5	20.0
	12H	20.8	21.4	21.3	21.9	22.5	18.7	19.3	19.2	19.8	20.4
12H	4H	19.6	20.5	20.1	20.9	21.4	17.2	18.0	17.7	18.5	18.9
	6H	20.3	21.0	20.8	21.4	21.9	18.1	18.8	18.6	19.2	19.8
	8H	20.6	21.2	21.1	21.7	22.3	18.5	19.2	19.1	19.7	20.2















(END OF REPORT)