

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: P1584092

Luminaire Tested: 14CGSB-30-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584092
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

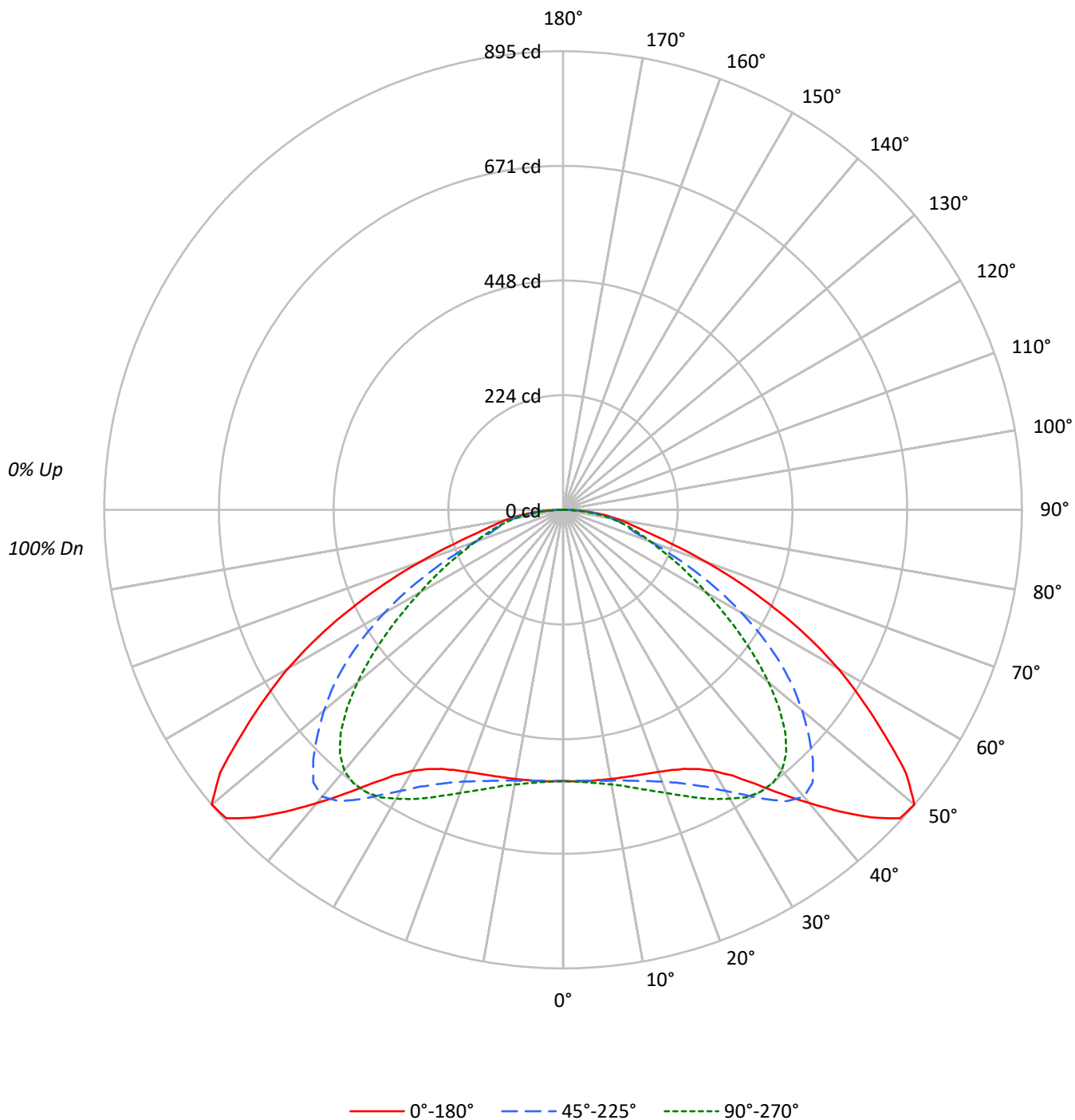
Lumens per Lamp: N/A
Luminaire Lumens: 2479.6 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1584092

CATALOG NUMBER: 14CGSB-30-A125-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1584092

CATALOG NUMBER: 14CGSB-30-A125-L940

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	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°	1425	1425	1425
5°	1435	1434	1441
10°	1458	1466	1487
15°	1497	1525	1568
20°	1558	1617	1684
25°	1656	1756	1841
30°	1827	1967	2022
35°	2142	2264	2207
40°	2622	2567	2333
45°	3229	2623	2332
50°	3745	2547	2191
55°	3593	2414	1970
60°	3338	2166	1735
65°	2907	1815	1554
70°	2326	1426	1426
75°	1784	1353	1416
80°	1751	1562	1443
85°	1760	1729	1411

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3745 cd/sqm

TEST NUMBER: P1584092

CATALOG NUMBER: 14CGSB-30-A125-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	2.1
10°-20°	156.3	6.3
20°-30°	275.1	11.1
30°-40°	426.1	17.2
40°-50°	542.8	21.9
50°-60°	493.9	19.9
60°-70°	320.3	12.9
70°-80°	155.8	6.3
80°-90°	58.4	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°	482.3	19.5
0°-40°	908.4	36.6
0°-60°	1945.1	78.4
0°-90°	2479.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2479.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	531	532	531	532	534	51
15°	537	541	548	558	563	153
25°	558	569	591	612	620	260
35°	652	680	689	678	672	415
45°	849	796	689	629	613	652
55°	766	672	515	443	420	684
65°	457	404	285	247	244	452
75°	172	157	130	124	136	195
85°	57	62	56	51	46	62
90°	0	0	0	0	0	

TEST NUMBER: P1584092

CATALOG NUMBER: 14CGSB-30-A125-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	529.4	529.4	529.4	529.4	529.4
2.5°	530.4	531.0	529.4	529.7	530.7
5°	531.4	532.0	530.7	531.7	533.6
7.5°	532.0	533.3	533.3	535.5	538.1
10°	533.6	534.9	536.5	541.0	544.2
12.5°	534.9	537.2	541.0	548.4	552.0
15°	537.2	540.7	547.5	557.8	562.9
17.5°	540.1	545.2	554.9	568.4	574.5
20°	544.2	551.0	564.5	580.6	588.0
22.5°	549.7	558.7	576.1	595.1	603.2
25°	557.8	569.4	591.3	612.2	619.9
27.5°	570.0	584.5	609.6	630.5	636.3
30°	588.0	606.1	633.1	647.6	650.8
32.5°	614.8	638.0	659.5	664.4	665.0
35°	652.1	680.5	689.2	677.9	671.8
37.5°	697.8	729.4	716.5	683.0	672.1
40°	746.5	772.2	730.7	678.8	664.0
42.5°	798.0	796.7	721.0	660.5	644.4
45°	848.6	796.4	689.2	628.9	612.8
47.5°	891.1	772.2	649.5	590.0	571.0
50°	894.6	740.7	608.3	542.6	523.3
52.5°	843.1	709.4	564.8	493.7	471.5
55°	765.8	671.8	514.6	443.4	419.9
57.5°	692.7	622.5	459.9	391.6	368.4
60°	620.2	559.1	402.5	341.4	322.4
62.5°	540.1	485.3	343.9	291.4	281.5
65°	456.6	404.5	285.0	247.0	244.1
67.5°	375.8	327.8	228.6	205.1	208.7
70°	295.6	258.9	181.3	175.8	181.3
72.5°	224.8	204.2	147.5	148.8	157.8
75°	171.6	157.2	130.1	124.0	136.2
77.5°	137.5	128.2	115.3	106.3	115.3
80°	113.0	110.8	100.8	90.2	93.1
82.5°	85.3	86.9	79.2	73.7	70.2
85°	57.0	62.2	56.0	51.2	45.7
87.5°	28.7	34.8	29.6	26.4	23.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584092

CATALOG NUMBER: 14CGSB-30-A125-L940

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	17.6	19.3	18.0	19.6	19.9	14.1	15.9	14.5	16.2	16.5
	3H	18.9	20.4	19.2	20.8	21.1	15.4	17.0	15.8	17.3	17.7
	4H	19.2	20.7	19.6	21.0	21.4	16.0	17.5	16.4	17.8	18.2
	6H	19.5	20.9	19.9	21.3	21.6	16.5	17.9	16.9	18.3	18.7
	8H	19.7	21.0	20.1	21.4	21.7	16.8	18.1	17.2	18.5	18.9
	12H	19.8	21.0	20.2	21.4	21.8	16.9	18.2	17.4	18.6	19.0
4H	2H	17.8	19.2	18.1	19.6	19.9	14.8	16.3	15.2	16.6	17.0
	3H	19.2	20.4	19.6	20.8	21.2	16.3	17.5	16.7	17.9	18.3
	4H	19.7	20.8	20.1	21.2	21.6	16.9	18.0	17.4	18.4	18.9
	6H	20.1	21.1	20.6	21.6	22.0	17.6	18.6	18.1	19.0	19.5
	8H	20.3	21.3	20.8	21.7	22.2	17.9	18.8	18.4	19.3	19.7
	12H	20.5	21.4	21.0	21.8	22.3	18.2	19.0	18.6	19.5	19.9
8H	4H	19.8	20.7	20.3	21.2	21.6	17.3	18.2	17.7	18.6	19.1
	6H	20.4	21.1	20.9	21.6	22.1	18.1	18.9	18.6	19.4	19.8
	8H	20.7	21.4	21.2	21.9	22.3	18.5	19.2	19.0	19.7	20.2
	12H	21.0	21.6	21.5	22.1	22.6	18.9	19.5	19.4	20.0	20.5
12H	4H	19.8	20.6	20.3	21.1	21.6	17.3	18.2	17.8	18.6	19.1
	6H	20.4	21.1	20.9	21.6	22.1	18.2	18.9	18.8	19.4	19.9
	8H	20.8	21.4	21.3	21.9	22.4	18.7	19.3	19.2	19.8	20.4















(END OF REPORT)