

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: P1584093

Luminaire Tested: 14CGSB-35-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584093
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-35-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

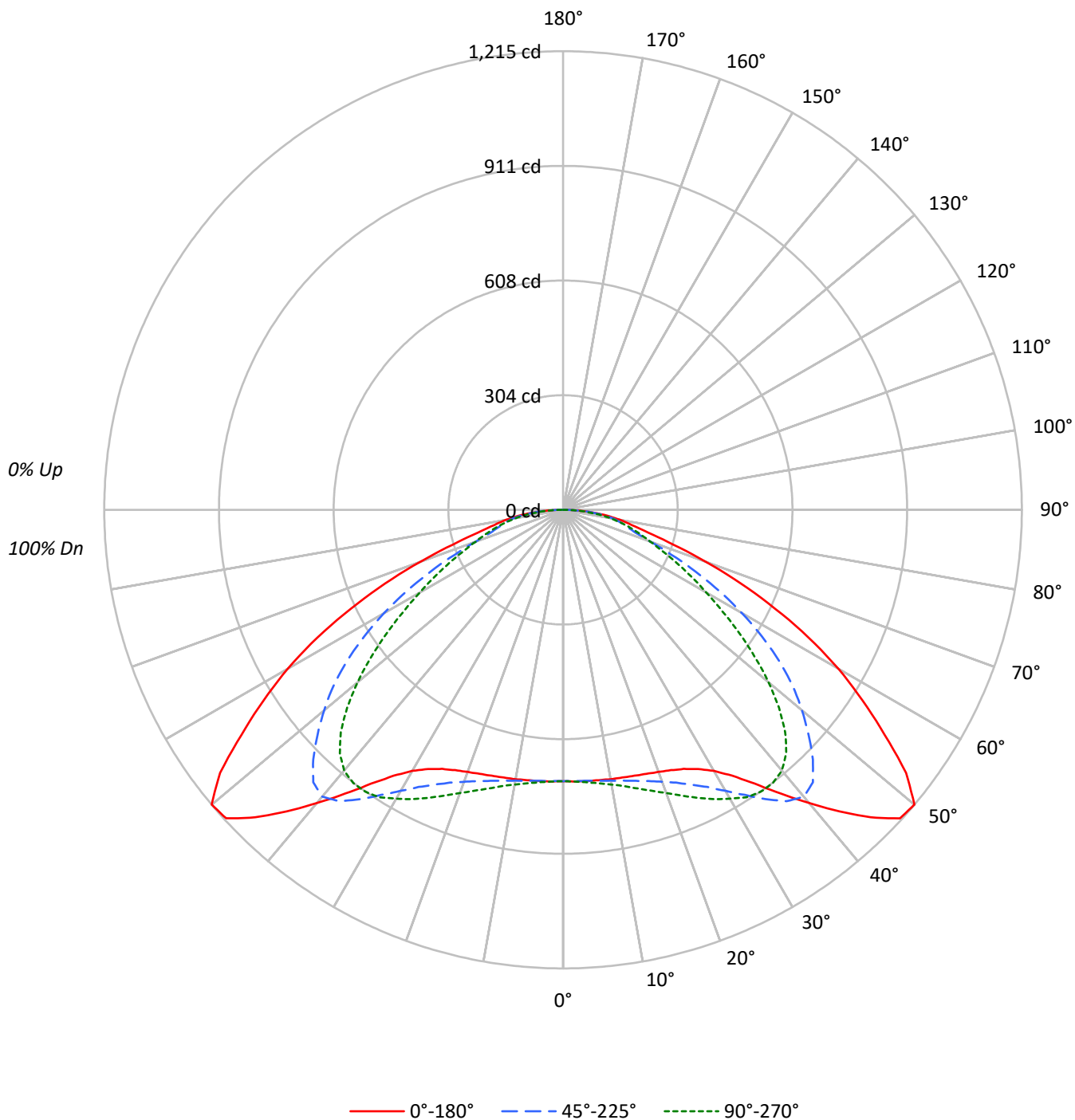
Lumens per Lamp: N/A
Luminaire Lumens: 3366.7 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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: P1584093

CATALOG NUMBER: 14CGSB-35-A125-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1584093

CATALOG NUMBER: 14CGSB-35-A125-L830

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°	1934	1934	1934
5°	1949	1947	1957
10°	1980	1991	2019
15°	2032	2071	2129
20°	2116	2195	2286
25°	2249	2384	2499
30°	2481	2671	2746
35°	2909	3074	2996
40°	3560	3485	3167
45°	4385	3561	3167
50°	5085	3458	2974
55°	4878	3278	2675
60°	4532	2942	2356
65°	3948	2464	2110
70°	3158	1937	1937
75°	2424	1836	1923
80°	2379	2122	1959
85°	2390	2350	1917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5085 cd/sqm

TEST NUMBER: P1584093

CATALOG NUMBER: 14CGSB-35-A125-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	2.1
10°-20°	212.2	6.3
20°-30°	373.5	11.1
30°-40°	578.6	17.2
40°-50°	737.0	21.9
50°-60°	670.6	19.9
60°-70°	434.9	12.9
70°-80°	211.5	6.3
80°-90°	79.2	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°	654.9	19.5
0°-40°	1233.4	36.6
0°-60°	2641.1	78.4
0°-90°	3366.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3366.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	722	722	721	722	724	69
15°	729	734	743	757	764	207
25°	757	773	803	831	842	353
35°	885	924	936	920	912	564
45°	1152	1081	936	854	832	885
55°	1040	912	699	602	570	928
65°	620	549	387	335	331	614
75°	233	213	177	168	185	264
85°	77	84	76	70	62	84
90°	0	0	0	0	0	

TEST NUMBER: P1584093

CATALOG NUMBER: 14CGSB-35-A125-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	718.8	718.8	718.8	718.8	718.8
2.5°	720.2	721.0	718.8	719.3	720.6
5°	721.5	722.3	720.6	721.9	724.5
7.5°	722.3	724.1	724.1	727.1	730.6
10°	724.5	726.3	728.5	734.6	739.0
12.5°	726.3	729.3	734.6	744.6	749.4
15°	729.3	734.1	743.3	757.3	764.3
17.5°	733.3	740.3	753.4	771.7	780.1
20°	739.0	748.1	766.5	788.4	798.4
22.5°	746.4	758.6	782.2	808.0	819.0
25°	757.3	773.1	802.8	831.2	841.7
27.5°	773.9	793.6	827.7	856.1	864.0
30°	798.4	822.9	859.6	879.3	883.7
32.5°	834.7	866.2	895.5	902.0	902.9
35°	885.4	923.9	935.7	920.4	912.1
37.5°	947.5	990.4	972.9	927.4	912.5
40°	1013.5	1048.5	992.1	921.7	901.6
42.5°	1083.5	1081.8	979.0	896.8	874.9
45°	1152.2	1081.3	935.7	853.9	832.1
47.5°	1209.9	1048.5	881.9	801.0	775.2
50°	1214.7	1005.7	826.0	736.8	710.5
52.5°	1144.7	963.3	766.9	670.3	640.1
55°	1039.8	912.1	698.7	602.1	570.2
57.5°	940.5	845.2	624.4	531.7	500.2
60°	842.1	759.1	546.6	463.5	437.7
62.5°	733.3	658.9	467.0	395.7	382.2
65°	620.0	549.2	387.0	335.4	331.4
67.5°	510.3	445.1	310.4	278.5	283.3
70°	401.4	351.5	246.2	238.7	246.2
72.5°	305.2	277.2	200.3	202.0	214.3
75°	233.1	213.4	176.6	168.3	185.0
77.5°	186.7	174.0	156.5	144.3	156.5
80°	153.5	150.4	136.9	122.4	126.4
82.5°	115.9	118.1	107.6	100.1	95.3
85°	77.4	84.4	76.1	69.5	62.1
87.5°	38.9	47.2	40.2	35.9	31.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584093

CATALOG NUMBER: 14CGSB-35-A125-L830

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	18.7	20.4	19.0	20.7	21.0	15.2	16.9	15.6	17.2	17.6
	3H	19.9	21.5	20.3	21.8	22.2	16.5	18.0	16.9	18.4	18.7
	4H	20.3	21.8	20.7	22.1	22.5	17.1	18.5	17.5	18.9	19.2
	6H	20.6	22.0	21.0	22.3	22.7	17.6	19.0	18.0	19.3	19.7
	8H	20.7	22.0	21.1	22.4	22.8	17.8	19.1	18.2	19.5	19.9
	12H	20.8	22.1	21.3	22.5	22.9	18.0	19.2	18.4	19.6	20.1
4H	2H	18.8	20.3	19.2	20.6	21.0	15.9	17.3	16.3	17.7	18.1
	3H	20.3	21.5	20.7	21.9	22.3	17.3	18.5	17.7	18.9	19.3
	4H	20.8	21.9	21.2	22.3	22.7	18.0	19.1	18.4	19.5	19.9
	6H	21.2	22.2	21.7	22.6	23.1	18.7	19.6	19.1	20.1	20.5
	8H	21.4	22.3	21.9	22.8	23.2	19.0	19.9	19.4	20.3	20.8
	12H	21.6	22.4	22.1	22.9	23.4	19.2	20.0	19.7	20.5	21.0
8H	4H	20.9	21.8	21.3	22.2	22.7	18.3	19.2	18.8	19.7	20.1
	6H	21.4	22.2	21.9	22.7	23.2	19.2	19.9	19.7	20.4	20.9
	8H	21.7	22.4	22.2	22.9	23.4	19.6	20.3	20.1	20.8	21.3
	12H	22.0	22.6	22.5	23.1	23.7	19.9	20.6	20.4	21.0	21.6
12H	4H	20.9	21.7	21.4	22.2	22.6	18.4	19.2	18.9	19.7	20.2
	6H	21.5	22.2	22.0	22.6	23.2	19.3	20.0	19.8	20.5	21.0
	8H	21.8	22.4	22.3	22.9	23.5	19.8	20.4	20.3	20.9	21.4















(END OF REPORT)