

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: P1584159

Luminaire Tested: 14CGSB-30-F125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527393)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-30-F125-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

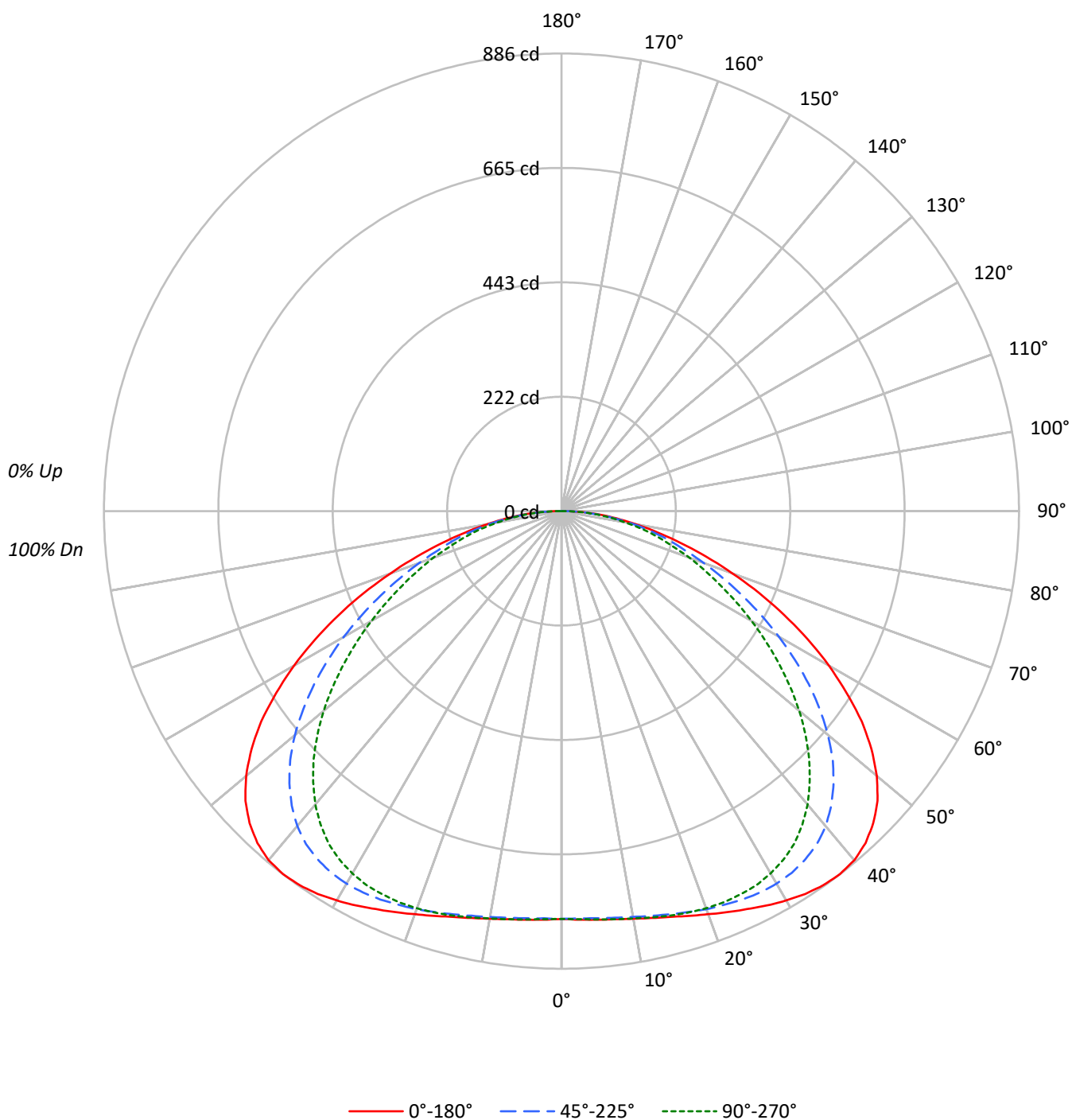
Lumens per Lamp: N/A
Luminaire Lumens: 3025.1 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1584159

CATALOG NUMBER: 14CGSB-30-F125-L850

Luminous Intensity Polar Plot





TEST NUMBER: P1584159

CATALOG NUMBER: 14CGSB-30-F125-L850

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	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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82						
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68						
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56						
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47						
5	74	61	51	44	72	59	51	44	57	50	44	55	48	43	53	47	43	40						
6	68	54	45	38	66	53	44	38	51	44	38	50	43	37	48	42	37	35						
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30						
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27						
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24						
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2124	2124	2124
5°	2145	2137	2143
10°	2189	2180	2187
15°	2265	2251	2259
20°	2378	2349	2343
25°	2524	2464	2432
30°	2704	2588	2517
35°	2904	2705	2582
40°	3099	2797	2605
45°	3250	2836	2582
50°	3338	2821	2516
55°	3330	2743	2411
60°	3218	2617	2286
65°	3031	2458	2161
70°	2773	2301	2078
75°	2495	2216	2007
80°	2281	2152	1939
85°	2192	2059	1939

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3344 cd/sqm

TEST NUMBER: P1584159

CATALOG NUMBER: 14CGSB-30-F125-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	2.5
10°-20°	230.0	7.6
20°-30°	384.9	12.7
30°-40°	518.7	17.1
40°-50°	581.8	19.2
50°-60°	533.8	17.6
60°-70°	394.8	13.1
70°-80°	229.7	7.6
80°-90°	75.5	2.5
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°	690.8	22.8
0°-40°	1209.5	40.0
0°-60°	2325.1	76.9
0°-90°	3025.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3025.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	794	794	791	791	793	76
15°	813	812	808	809	811	231
25°	850	844	830	821	819	394
35°	884	866	823	794	786	554
45°	854	822	745	695	678	657
55°	710	669	585	530	514	630
65°	476	447	386	351	339	471
75°	240	237	213	196	193	257
85°	71	73	67	68	63	78
90°	0	0	0	0	0	

TEST NUMBER: P1584159

CATALOG NUMBER: 14CGSB-30-F125-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	789.4	789.4	789.4	789.4	789.4
2.5°	791.8	791.8	789.0	789.8	790.6
5°	794.1	793.7	791.0	791.4	793.4
7.5°	796.9	796.9	794.1	794.1	796.9
10°	801.2	800.5	797.7	798.5	800.5
12.5°	806.8	805.2	802.4	803.2	805.6
15°	813.1	811.5	808.0	808.7	810.7
17.5°	821.4	819.0	813.9	813.9	815.1
20°	830.5	826.5	820.2	817.0	818.2
22.5°	840.3	835.2	824.9	819.4	819.8
25°	850.2	843.9	829.7	820.6	819.0
27.5°	860.8	851.8	832.4	819.8	816.6
30°	870.3	858.9	832.8	815.5	809.9
32.5°	878.6	863.6	830.1	807.2	800.1
35°	884.1	865.6	823.3	794.5	785.9
37.5°	885.7	863.2	812.3	777.2	765.7
40°	882.2	855.7	796.1	754.3	741.6
42.5°	871.5	842.3	773.2	726.6	711.6
45°	854.1	821.8	745.2	694.7	678.5
47.5°	830.1	793.4	712.4	658.0	641.0
50°	797.3	758.6	673.8	618.1	601.1
52.5°	756.6	716.4	630.7	575.9	557.7
55°	709.7	669.0	584.6	530.1	513.9
57.5°	654.8	617.3	536.0	484.3	468.9
60°	598.0	562.5	486.3	438.5	424.7
62.5°	538.0	505.6	436.1	393.1	381.3
65°	476.0	447.2	386.0	350.9	339.4
67.5°	414.0	391.9	338.3	307.1	300.8
70°	352.5	335.9	292.5	271.9	264.1
72.5°	294.1	285.4	249.1	235.2	224.6
75°	240.0	236.8	213.1	196.2	193.0
77.5°	191.0	195.8	175.2	163.0	160.2
80°	147.2	152.0	138.9	128.7	125.1
82.5°	107.4	113.7	100.6	98.3	94.7
85°	71.0	73.0	66.7	67.5	62.8
87.5°	34.7	38.7	35.1	36.3	33.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584159

CATALOG NUMBER: 14CGSB-30-F125-L850

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	16.8	18.5	17.2	18.8	19.1	15.0	16.7	15.4	17.0	17.3
	3H	18.6	20.1	18.9	20.4	20.8	16.7	18.3	17.1	18.6	19.0
	4H	19.2	20.7	19.6	21.0	21.4	17.4	18.9	17.8	19.2	19.6
	6H	19.7	21.0	20.1	21.4	21.8	18.0	19.4	18.4	19.7	20.1
	8H	19.9	21.2	20.3	21.5	21.9	18.2	19.5	18.7	19.9	20.3
	12H	20.0	21.2	20.4	21.6	22.1	18.4	19.6	18.8	20.0	20.5
4H	2H	17.2	18.7	17.6	19.0	19.4	15.8	17.2	16.2	17.6	18.0
	3H	19.2	20.4	19.6	20.8	21.2	17.7	18.9	18.1	19.3	19.7
	4H	20.0	21.1	20.5	21.5	22.0	18.5	19.6	19.0	20.1	20.5
	6H	20.7	21.7	21.1	22.1	22.5	19.3	20.2	19.7	20.7	21.1
	8H	20.9	21.8	21.4	22.3	22.7	19.5	20.4	20.0	20.9	21.3
	12H	21.1	21.9	21.6	22.4	22.9	19.8	20.6	20.2	21.1	21.5
8H	4H	20.3	21.2	20.7	21.6	22.1	19.0	19.9	19.4	20.3	20.8
	6H	21.1	21.8	21.6	22.3	22.8	19.8	20.6	20.3	21.1	21.5
	8H	21.4	22.1	21.9	22.6	23.1	20.2	20.9	20.7	21.4	21.9
	12H	21.7	22.3	22.2	22.8	23.4	20.5	21.1	21.0	21.6	22.2
12H	4H	20.3	21.1	20.8	21.6	22.1	19.0	19.9	19.5	20.3	20.8
	6H	21.1	21.8	21.7	22.3	22.8	19.9	20.6	20.5	21.1	21.6
	8H	21.5	22.1	22.0	22.6	23.2	20.4	21.0	20.9	21.5	22.0















(END OF REPORT)