

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: P1584165

Luminaire Tested: 14CGSB-35-F125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584165
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-35-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

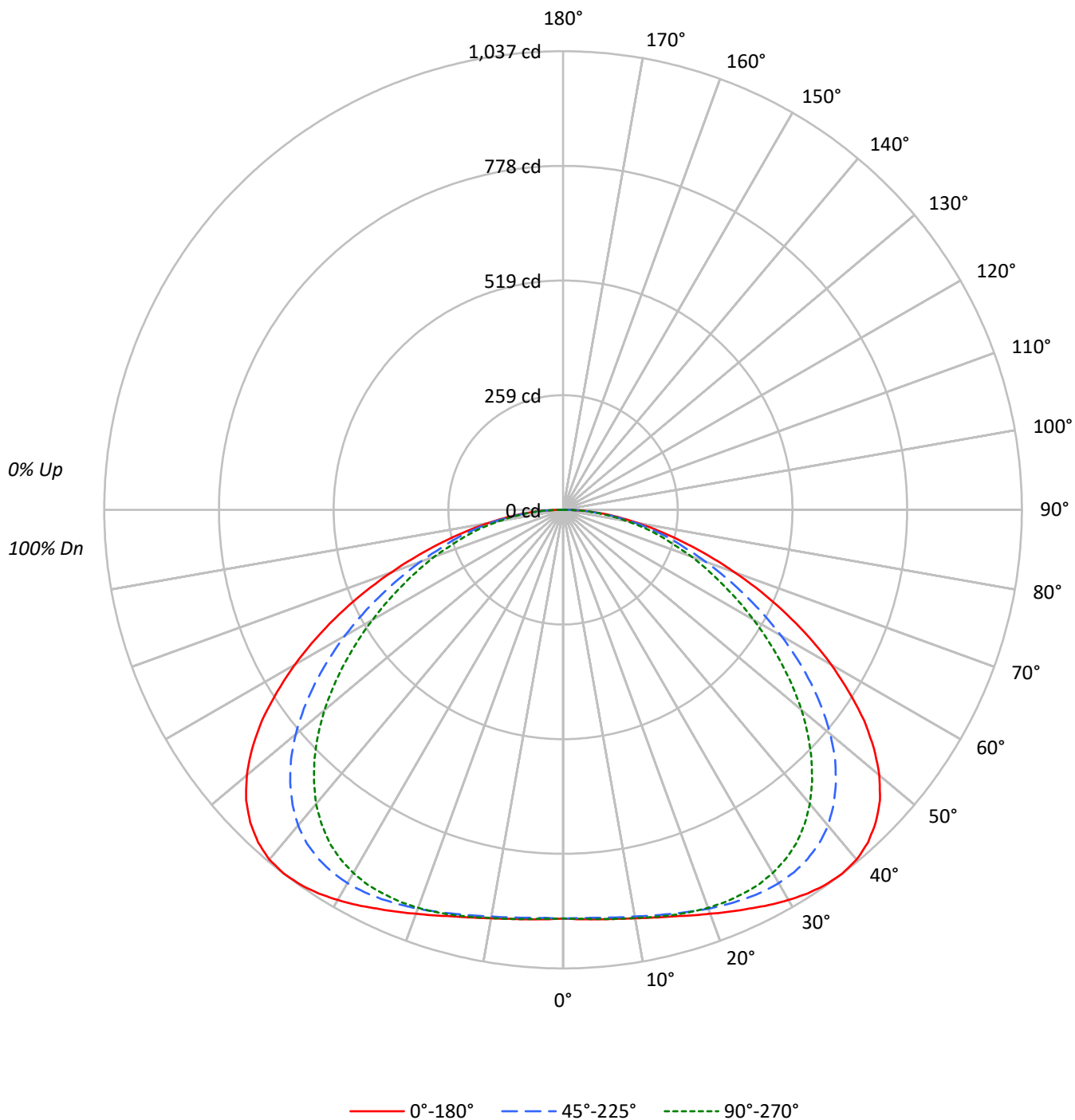
Lumens per Lamp: N/A
Luminaire Lumens: 3540.8 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1584165

CATALOG NUMBER: 14CGSB-35-F125-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1584165

CATALOG NUMBER: 14CGSB-35-F125-L840

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	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°	2486	2486	2486
5°	2511	2501	2508
10°	2563	2551	2560
15°	2651	2635	2644
20°	2783	2749	2743
25°	2955	2883	2846
30°	3165	3029	2946
35°	3399	3166	3022
40°	3627	3273	3049
45°	3804	3319	3022
50°	3907	3301	2946
55°	3897	3210	2822
60°	3767	3063	2675
65°	3548	2877	2530
70°	3246	2693	2432
75°	2921	2594	2349
80°	2670	2520	2269
85°	2569	2411	2269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 3915 cd/sqm

TEST NUMBER: P1584165

CATALOG NUMBER: 14CGSB-35-F125-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	2.5
10°-20°	269.2	7.6
20°-30°	450.5	12.7
30°-40°	607.1	17.1
40°-50°	680.9	19.2
50°-60°	624.8	17.6
60°-70°	462.1	13.1
70°-80°	268.8	7.6
80°-90°	88.4	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°	808.6	22.8
0°-40°	1415.7	40.0
0°-60°	2721.4	76.9
0°-90°	3540.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3540.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	930	929	926	926	929	89
15°	952	950	946	947	949	271
25°	995	988	971	960	959	461
35°	1035	1013	964	930	920	648
45°	1000	962	872	813	794	768
55°	831	783	684	620	602	738
65°	557	523	452	411	397	551
75°	281	277	250	230	226	301
85°	83	86	78	79	74	91
90°	0	0	0	0	0	

TEST NUMBER: P1584165

CATALOG NUMBER: 14CGSB-35-F125-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.0	924.0	924.0	924.0	924.0
2.5°	926.7	926.7	923.5	924.4	925.4
5°	929.5	929.1	925.8	926.3	928.6
7.5°	932.8	932.8	929.5	929.5	932.8
10°	937.8	936.9	933.7	934.6	936.9
12.5°	944.3	942.5	939.2	940.1	942.9
15°	951.7	949.8	945.7	946.6	948.9
17.5°	961.4	958.6	952.6	952.6	954.0
20°	972.0	967.4	960.0	956.3	957.7
22.5°	983.6	977.6	965.6	959.1	959.5
25°	995.1	987.7	971.1	960.5	958.6
27.5°	1007.6	997.0	974.3	959.5	955.8
30°	1018.7	1005.3	974.8	954.5	948.0
32.5°	1028.4	1010.8	971.6	944.8	936.4
35°	1034.8	1013.1	963.7	930.0	919.8
37.5°	1036.7	1010.4	950.8	909.7	896.3
40°	1032.5	1001.6	931.8	882.9	868.1
42.5°	1020.1	985.9	905.0	850.5	833.0
45°	999.7	961.9	872.2	813.1	794.2
47.5°	971.6	928.6	833.9	770.1	750.3
50°	933.2	887.9	788.6	723.5	703.6
52.5°	885.6	838.5	738.3	674.0	652.8
55°	830.7	783.1	684.2	620.4	601.5
57.5°	766.4	722.5	627.4	566.9	548.8
60°	699.9	658.3	569.2	513.3	497.1
62.5°	629.7	591.8	510.5	460.1	446.3
65°	557.2	523.4	451.8	410.7	397.3
67.5°	484.6	458.8	395.9	359.4	352.0
70°	412.6	393.2	342.3	318.3	309.1
72.5°	344.2	334.0	291.5	275.3	262.9
75°	280.9	277.2	249.5	229.6	225.9
77.5°	223.6	229.1	205.1	190.8	187.6
80°	172.3	177.9	162.6	150.6	146.4
82.5°	125.7	133.1	117.8	115.0	110.9
85°	83.2	85.5	78.1	79.0	73.5
87.5°	40.7	45.3	41.1	42.5	39.7
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1584165

CATALOG NUMBER: 14CGSB-35-F125-L840

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	19.1	17.7	19.4	19.7	15.6	17.3	15.9	17.6	17.9
	3H	19.1	20.7	19.5	21.0	21.3	17.3	18.8	17.7	19.1	19.5
	4H	19.8	21.2	20.1	21.6	21.9	18.0	19.4	18.4	19.8	20.2
	6H	20.2	21.6	20.7	22.0	22.3	18.6	19.9	19.0	20.3	20.7
	8H	20.4	21.7	20.8	22.1	22.5	18.8	20.1	19.2	20.5	20.9
	12H	20.6	21.8	21.0	22.2	22.6	19.0	20.2	19.4	20.6	21.0
4H	2H	17.8	19.2	18.2	19.6	20.0	16.3	17.8	16.7	18.1	18.5
	3H	19.8	21.0	20.2	21.4	21.8	18.3	19.5	18.7	19.9	20.3
	4H	20.6	21.7	21.0	22.1	22.5	19.1	20.2	19.5	20.6	21.0
	6H	21.2	22.2	21.7	22.6	23.1	19.8	20.8	20.3	21.2	21.7
	8H	21.5	22.4	21.9	22.8	23.3	20.1	21.0	20.5	21.4	21.9
	12H	21.7	22.5	22.1	23.0	23.4	20.3	21.1	20.8	21.6	22.1
8H	4H	20.8	21.7	21.3	22.2	22.6	19.5	20.4	20.0	20.9	21.3
	6H	21.6	22.4	22.1	22.9	23.3	20.4	21.1	20.9	21.6	22.1
	8H	22.0	22.6	22.5	23.1	23.6	20.7	21.4	21.2	21.9	22.4
	12H	22.3	22.9	22.8	23.4	23.9	21.1	21.7	21.6	22.2	22.7
12H	4H	20.9	21.7	21.3	22.1	22.6	19.6	20.4	20.1	20.9	21.3
	6H	21.7	22.4	22.2	22.8	23.4	20.5	21.2	21.0	21.6	22.2
	8H	22.1	22.7	22.6	23.2	23.7	20.9	21.5	21.4	22.0	22.6













(END OF REPORT)