

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: P1584164

Luminaire Tested: 14CGSB-35-F125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584164
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

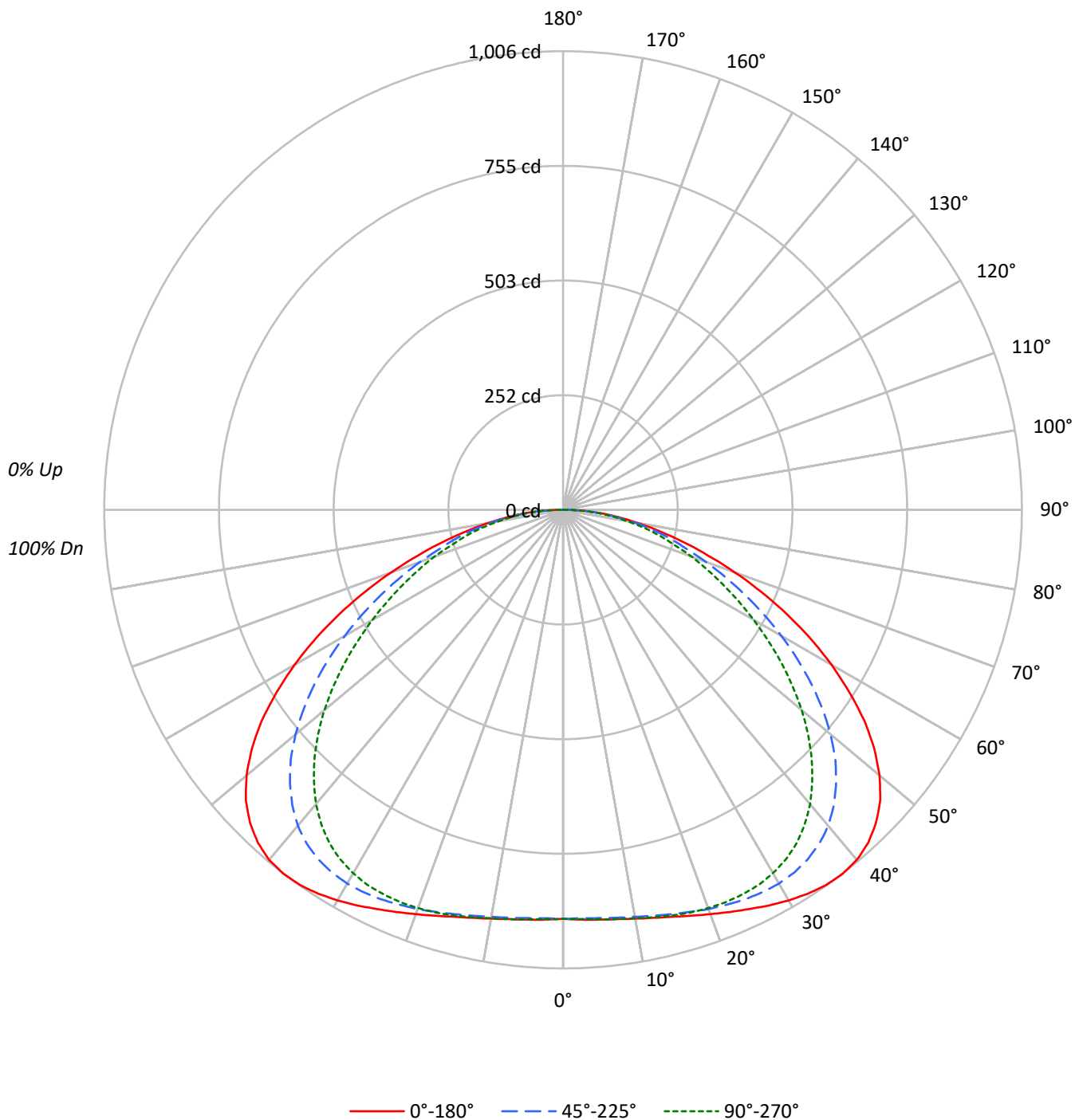
Lumens per Lamp: N/A
Luminaire Lumens: 3437.7 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1584164

CATALOG NUMBER: 14CGSB-35-F125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1584164

CATALOG NUMBER: 14CGSB-35-F125-L835

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°	2414	2414	2414
5°	2438	2428	2435
10°	2488	2477	2485
15°	2574	2558	2567
20°	2702	2669	2663
25°	2869	2799	2763
30°	3073	2941	2860
35°	3301	3074	2934
40°	3522	3178	2961
45°	3694	3223	2934
50°	3793	3205	2860
55°	3784	3117	2740
60°	3657	2974	2597
65°	3444	2793	2456
70°	3151	2615	2361
75°	2835	2518	2280
80°	2593	2447	2204
85°	2492	2340	2201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3801 cd/sqm

TEST NUMBER: P1584164

CATALOG NUMBER: 14CGSB-35-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	2.5
10°-20°	261.4	7.6
20°-30°	437.4	12.7
30°-40°	589.4	17.1
40°-50°	661.1	19.2
50°-60°	606.6	17.6
60°-70°	448.7	13.1
70°-80°	261.0	7.6
80°-90°	85.8	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°	785.0	22.8
0°-40°	1374.4	40.0
0°-60°	2642.2	76.9
0°-90°	3437.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3437.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	897	897	897	897	897	
5°	902	902	899	899	902	86
15°	924	922	918	919	921	263
25°	966	959	943	932	931	448
35°	1005	984	936	903	893	629
45°	971	934	847	789	771	746
55°	806	760	664	602	584	716
65°	541	508	439	399	386	535
75°	273	269	242	223	219	292
85°	81	83	76	77	71	89
90°	0	0	0	0	0	

TEST NUMBER: P1584164

CATALOG NUMBER: 14CGSB-35-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.1	897.1	897.1	897.1	897.1
2.5°	899.8	899.8	896.6	897.5	898.4
5°	902.4	902.0	898.9	899.3	901.5
7.5°	905.6	905.6	902.4	902.4	905.6
10°	910.5	909.6	906.5	907.4	909.6
12.5°	916.8	915.0	911.9	912.8	915.5
15°	924.0	922.2	918.1	919.0	921.3
17.5°	933.4	930.7	924.9	924.9	926.2
20°	943.7	939.2	932.0	928.5	929.8
22.5°	954.9	949.1	937.4	931.1	931.6
25°	966.1	959.0	942.8	932.5	930.7
27.5°	978.2	967.9	946.0	931.6	928.0
30°	989.0	976.0	946.4	926.7	920.4
32.5°	998.4	981.4	943.3	917.2	909.2
35°	1004.7	983.6	935.6	902.9	893.0
37.5°	1006.5	980.9	923.1	883.2	870.1
40°	1002.5	972.4	904.7	857.1	842.8
42.5°	990.4	957.2	878.7	825.7	808.7
45°	970.6	933.8	846.8	789.4	771.0
47.5°	943.3	901.5	809.6	747.7	728.4
50°	906.0	862.1	765.6	702.4	683.1
52.5°	859.8	814.1	716.8	654.4	633.8
55°	806.5	760.3	664.3	602.4	584.0
57.5°	744.1	701.5	609.1	550.3	532.9
60°	679.5	639.2	552.6	498.3	482.6
62.5°	611.3	574.6	495.6	446.7	433.3
65°	540.9	508.2	438.7	398.7	385.7
67.5°	470.5	445.4	384.4	349.0	341.8
70°	400.5	381.7	332.4	309.0	300.1
72.5°	334.2	324.3	283.0	267.3	255.2
75°	272.7	269.1	242.2	222.9	219.3
77.5°	217.1	222.5	199.1	185.2	182.1
80°	167.3	172.7	157.9	146.2	142.2
82.5°	122.0	129.2	114.4	111.7	107.6
85°	80.7	83.0	75.8	76.7	71.3
87.5°	39.5	44.0	39.9	41.3	38.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584164

CATALOG NUMBER: 14CGSB-35-F125-L835

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	17.3	19.0	17.6	19.3	19.6	15.5	17.2	15.8	17.5	17.8
	3H	19.0	20.6	19.4	20.9	21.2	17.2	18.7	17.6	19.0	19.4
	4H	19.7	21.1	20.0	21.5	21.8	17.9	19.3	18.3	19.7	20.0
	6H	20.1	21.5	20.6	21.9	22.2	18.5	19.8	18.9	20.2	20.6
	8H	20.3	21.6	20.7	22.0	22.4	18.7	20.0	19.1	20.4	20.8
	12H	20.4	21.7	20.9	22.1	22.5	18.8	20.1	19.3	20.5	20.9
4H	2H	17.7	19.1	18.1	19.5	19.9	16.2	17.7	16.6	18.0	18.4
	3H	19.7	20.9	20.1	21.3	21.7	18.2	19.4	18.6	19.8	20.2
	4H	20.5	21.6	20.9	22.0	22.4	19.0	20.1	19.4	20.5	20.9
	6H	21.1	22.1	21.6	22.5	23.0	19.7	20.7	20.1	21.1	21.6
	8H	21.4	22.3	21.8	22.7	23.2	20.0	20.9	20.4	21.3	21.8
	12H	21.6	22.4	22.0	22.9	23.3	20.2	21.0	20.7	21.5	22.0
8H	4H	20.7	21.6	21.2	22.1	22.5	19.4	20.3	19.9	20.8	21.2
	6H	21.5	22.3	22.0	22.8	23.2	20.3	21.0	20.8	21.5	22.0
	8H	21.9	22.5	22.4	23.0	23.5	20.6	21.3	21.1	21.8	22.3
	12H	22.2	22.8	22.7	23.2	23.8	21.0	21.6	21.5	22.1	22.6
12H	4H	20.7	21.6	21.2	22.0	22.5	19.5	20.3	20.0	20.8	21.2
	6H	21.6	22.3	22.1	22.7	23.3	20.4	21.1	20.9	21.5	22.1
	8H	22.0	22.6	22.5	23.1	23.6	20.8	21.4	21.3	21.9	22.5















(END OF REPORT)