

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: P1584167

Luminaire Tested: 14CGSB-35-F125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584167
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

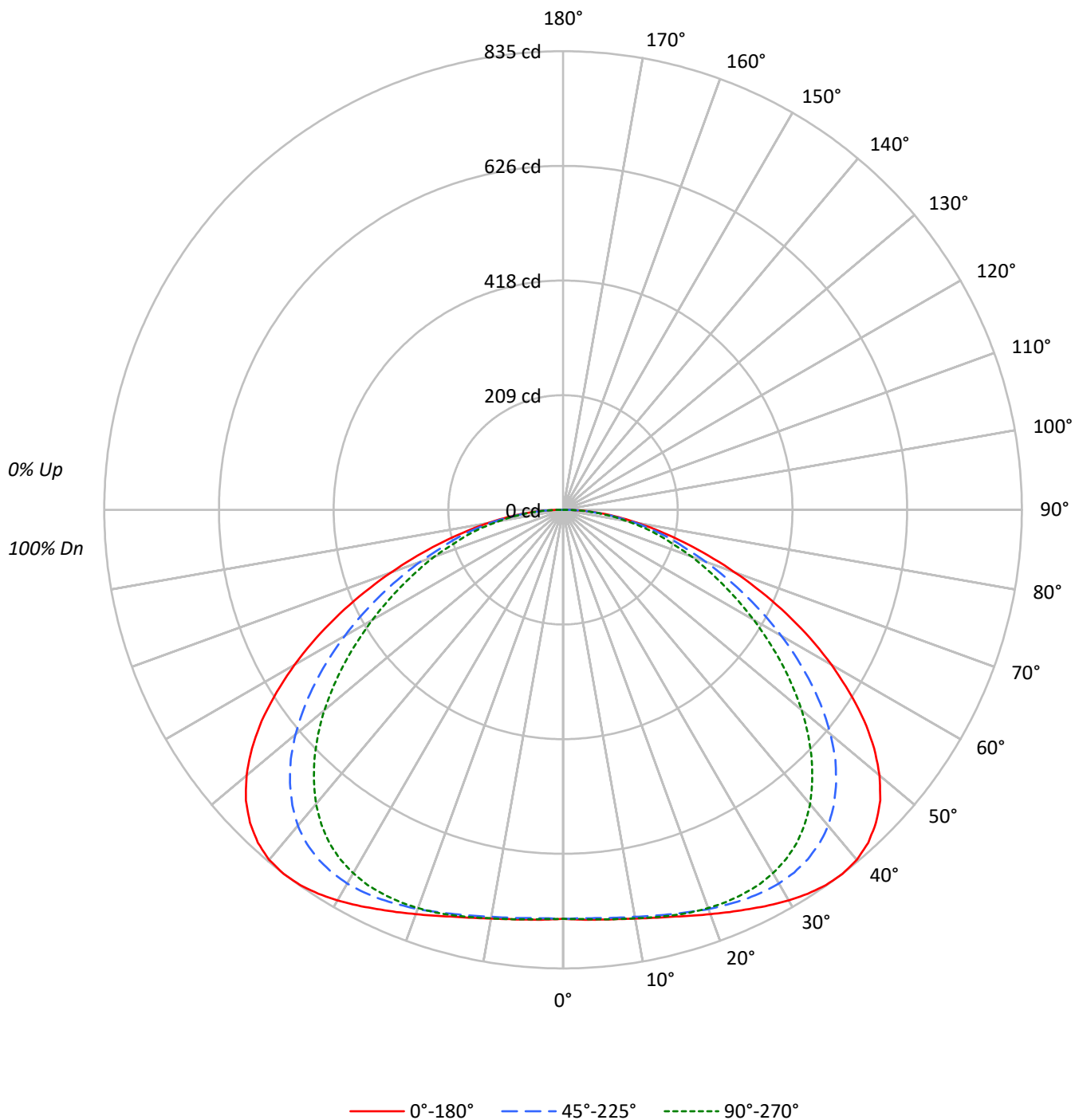
Lumens per Lamp: N/A
Luminaire Lumens: 2853.3 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1584167

CATALOG NUMBER: 14CGSB-35-F125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1584167

CATALOG NUMBER: 14CGSB-35-F125-L930

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°	2004	2004	2004
5°	2023	2015	2021
10°	2065	2056	2063
15°	2137	2123	2130
20°	2243	2215	2210
25°	2381	2323	2294
30°	2551	2441	2374
35°	2739	2551	2435
40°	2923	2638	2457
45°	3066	2675	2435
50°	3148	2660	2374
55°	3141	2586	2274
60°	3035	2468	2156
65°	2859	2318	2039
70°	2615	2171	1960
75°	2353	2090	1892
80°	2152	2030	1829
85°	2069	1942	1828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3155 cd/sqm

TEST NUMBER: P1584167

CATALOG NUMBER: 14CGSB-35-F125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	2.5
10°-20°	217.0	7.6
20°-30°	363.1	12.7
30°-40°	489.2	17.1
40°-50°	548.7	19.2
50°-60°	503.5	17.6
60°-70°	372.4	13.1
70°-80°	216.7	7.6
80°-90°	71.2	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°	651.6	22.8
0°-40°	1140.8	40.0
0°-60°	2193.0	76.9
0°-90°	2853.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2853.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	749	749	746	746	748	72
15°	767	765	762	763	765	218
25°	802	796	782	774	772	372
35°	834	816	777	749	741	522
45°	806	775	703	655	640	619
55°	669	631	551	500	485	595
65°	449	422	364	331	320	444
75°	226	223	201	185	182	242
85°	67	69	63	64	59	74
90°	0	0	0	0	0	

TEST NUMBER: P1584167

CATALOG NUMBER: 14CGSB-35-F125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.6	744.6	744.6	744.6	744.6
2.5°	746.8	746.8	744.2	744.9	745.7
5°	749.0	748.7	746.0	746.4	748.3
7.5°	751.6	751.6	749.0	749.0	751.6
10°	755.7	755.0	752.4	753.1	755.0
12.5°	760.9	759.5	756.8	757.6	759.8
15°	766.9	765.4	762.1	762.8	764.7
17.5°	774.7	772.5	767.6	767.6	768.8
20°	783.3	779.6	773.6	770.6	771.7
22.5°	792.6	787.7	778.1	772.9	773.2
25°	801.9	795.9	782.5	774.0	772.5
27.5°	811.9	803.4	785.1	773.2	770.2
30°	820.9	810.1	785.5	769.1	763.9
32.5°	828.7	814.5	782.9	761.3	754.6
35°	833.9	816.4	776.6	749.4	741.2
37.5°	835.4	814.2	766.2	733.0	722.2
40°	832.0	807.1	750.9	711.4	699.5
42.5°	822.0	794.4	729.3	685.4	671.2
45°	805.6	775.1	702.9	655.2	639.9
47.5°	782.9	748.3	672.0	620.6	604.6
50°	752.0	715.5	635.5	583.0	567.0
52.5°	713.7	675.7	594.9	543.2	526.0
55°	669.4	631.0	551.3	500.0	484.7
57.5°	617.6	582.2	505.6	456.8	442.3
60°	564.0	530.5	458.6	413.6	400.6
62.5°	507.4	476.9	411.4	370.8	359.6
65°	449.0	421.8	364.1	331.0	320.2
67.5°	390.5	369.7	319.0	289.6	283.7
70°	332.4	316.8	275.9	256.5	249.1
72.5°	277.3	269.2	234.9	221.9	211.8
75°	226.3	223.4	201.0	185.0	182.0
77.5°	180.2	184.7	165.3	153.8	151.1
80°	138.9	143.3	131.0	121.4	118.0
82.5°	101.3	107.2	94.9	92.7	89.3
85°	67.0	68.9	62.9	63.7	59.2
87.5°	32.8	36.5	33.1	34.2	32.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584167

CATALOG NUMBER: 14CGSB-35-F125-L930

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	16.6	18.3	17.0	18.6	18.9	14.8	16.5	15.2	16.8	17.1
	3H	18.4	19.9	18.7	20.2	20.6	16.5	18.1	16.9	18.4	18.8
	4H	19.0	20.5	19.4	20.8	21.2	17.2	18.7	17.6	19.0	19.4
	6H	19.5	20.8	19.9	21.2	21.6	17.8	19.2	18.2	19.5	19.9
	8H	19.7	21.0	20.1	21.3	21.7	18.0	19.3	18.5	19.7	20.1
	12H	19.8	21.0	20.2	21.4	21.8	18.2	19.4	18.6	19.8	20.2
4H	2H	17.0	18.5	17.4	18.8	19.2	15.6	17.0	16.0	17.4	17.8
	3H	19.0	20.2	19.4	20.6	21.0	17.5	18.7	17.9	19.1	19.5
	4H	19.8	20.9	20.3	21.3	21.8	18.3	19.4	18.8	19.9	20.3
	6H	20.5	21.5	20.9	21.9	22.3	19.0	20.0	19.5	20.5	20.9
	8H	20.7	21.6	21.2	22.1	22.5	19.3	20.2	19.8	20.7	21.1
	12H	20.9	21.7	21.4	22.2	22.7	19.6	20.4	20.0	20.9	21.3
8H	4H	20.1	21.0	20.5	21.4	21.9	18.8	19.7	19.2	20.1	20.6
	6H	20.9	21.6	21.4	22.1	22.6	19.6	20.4	20.1	20.9	21.3
	8H	21.2	21.9	21.7	22.4	22.9	20.0	20.7	20.5	21.2	21.7
	12H	21.5	22.1	22.0	22.6	23.2	20.3	20.9	20.8	21.4	22.0
12H	4H	20.1	20.9	20.6	21.4	21.9	18.8	19.7	19.3	20.1	20.6
	6H	20.9	21.6	21.5	22.1	22.6	19.7	20.4	20.3	20.9	21.4
	8H	21.3	21.9	21.8	22.4	23.0	20.2	20.8	20.7	21.3	21.8













(END OF REPORT)