

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: P1584166

Luminaire Tested: 14CGSB-35-F125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584166
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

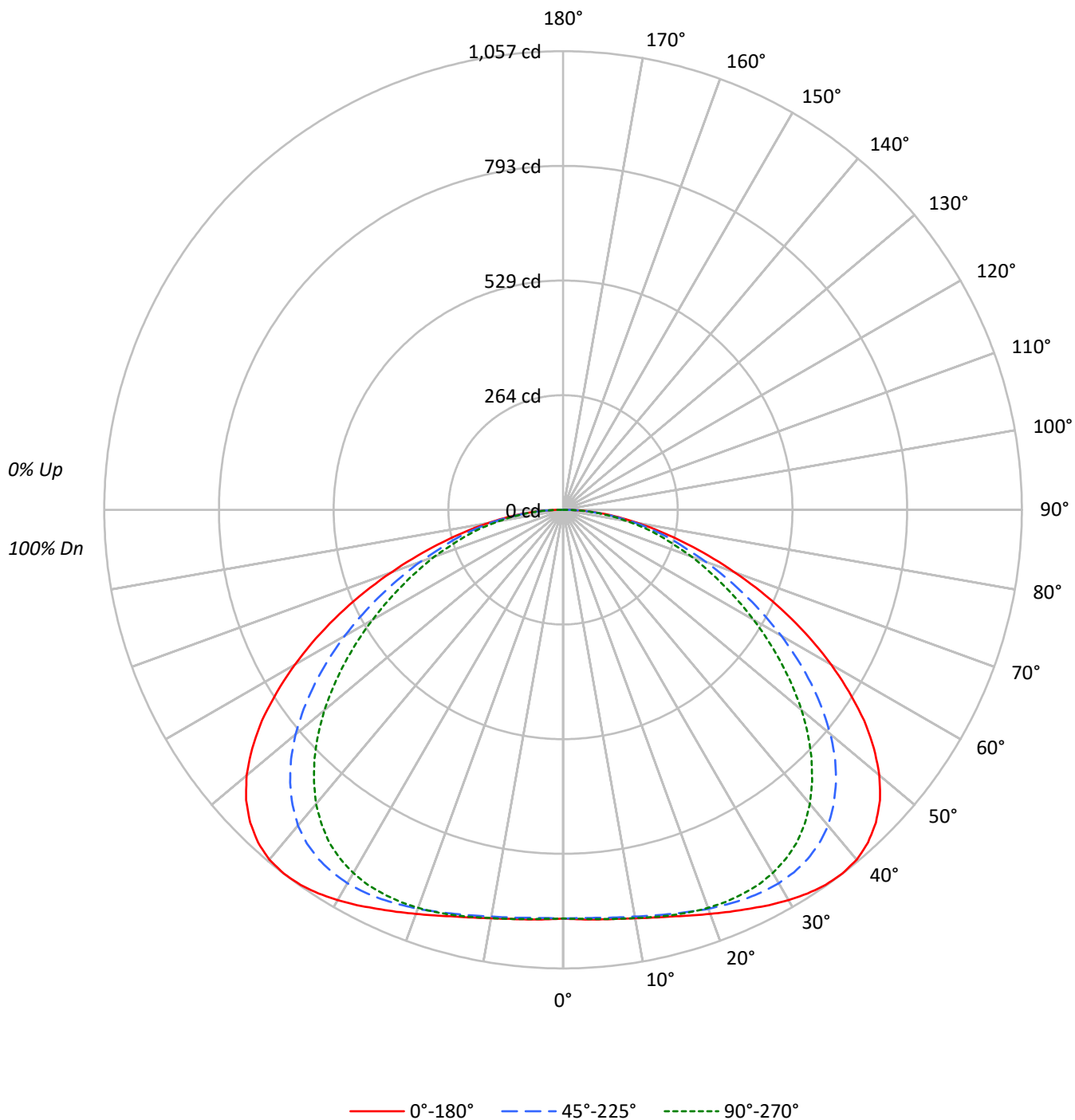
Lumens per Lamp: N/A
Luminaire Lumens: 3609.6 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	108	103	99	94	105	101	97	93		96	93	90		93	90	87		89	87	85
2	98	89	82	76	95	87	81	75		84	78	73		80	76	71		77	73	70
3	89	78	69	62	86	76	68	62		73	66	61		70	64	59		68	63	58
4	81	68	59	52	78	67	58	52		64	57	51		62	56	50		60	54	50
5	74	61	51	44	72	59	51	44		57	50	44		55	48	43		53	47	43
6	68	54	45	38	66	53	44	38		51	44	38		50	43	37		48	42	37
7	63	49	40	33	61	48	39	33		46	39	33		45	38	33		44	37	32
8	58	44	36	29	57	44	35	29		42	35	29		41	34	29		40	34	29
9	54	41	32	26	53	40	32	26		39	31	26		38	31	26		37	30	26
10	51	37	29	24	50	37	29	24		36	28	23		35	28	23		34	28	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2535	2535	2535
5°	2560	2549	2557
10°	2612	2601	2610
15°	2703	2686	2695
20°	2838	2802	2796
25°	3012	2939	2901
30°	3227	3088	3003
35°	3465	3227	3080
40°	3698	3337	3108
45°	3879	3384	3081
50°	3983	3365	3003
55°	3973	3272	2877
60°	3840	3123	2727
65°	3617	2933	2579
70°	3309	2746	2479
75°	2977	2644	2394
80°	2723	2569	2314
85°	2618	2458	2313

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3991 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	2.5
10°-20°	274.5	7.6
20°-30°	459.3	12.7
30°-40°	618.8	17.1
40°-50°	694.2	19.2
50°-60°	637.0	17.6
60°-70°	471.1	13.1
70°-80°	274.1	7.6
80°-90°	90.1	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°	824.3	22.8
0°-40°	1443.1	40.0
0°-60°	2774.3	76.9
0°-90°	3609.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3609.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	942	942	942	942	942	
5°	948	947	944	944	947	91
15°	970	968	964	965	967	276
25°	1014	1007	990	979	977	470
35°	1055	1033	982	948	938	661
45°	1019	980	889	829	810	783
55°	847	798	698	632	613	752
65°	568	534	461	419	405	562
75°	286	283	254	234	230	307
85°	85	87	80	80	75	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.9	941.9	941.9	941.9	941.9
2.5°	944.7	944.7	941.4	942.4	943.3
5°	947.6	947.1	943.8	944.3	946.6
7.5°	950.9	950.9	947.6	947.6	950.9
10°	956.0	955.1	951.8	952.7	955.1
12.5°	962.6	960.8	957.5	958.4	961.2
15°	970.2	968.3	964.0	965.0	967.3
17.5°	980.1	977.2	971.1	971.1	972.5
20°	990.9	986.2	978.6	974.9	976.3
22.5°	1002.7	996.5	984.3	977.7	978.2
25°	1014.4	1006.9	990.0	979.1	977.2
27.5°	1027.2	1016.3	993.2	978.2	974.4
30°	1038.5	1024.8	993.7	973.0	966.4
32.5°	1048.4	1030.5	990.4	963.1	954.6
35°	1054.9	1032.8	982.4	948.0	937.7
37.5°	1056.8	1030.0	969.2	927.3	913.7
40°	1052.6	1021.0	949.9	900.0	884.9
42.5°	1039.9	1005.0	922.6	867.0	849.1
45°	1019.2	980.5	889.2	828.9	809.6
47.5°	990.4	946.6	850.1	785.1	764.8
50°	951.3	905.2	803.9	737.5	717.3
52.5°	902.8	854.8	752.6	687.1	665.5
55°	846.8	798.3	697.5	632.5	613.2
57.5°	781.3	736.6	639.6	577.9	559.5
60°	713.5	671.1	580.2	523.2	506.7
62.5°	641.9	603.3	520.4	469.1	454.9
65°	568.0	533.6	460.6	418.7	405.0
67.5°	494.0	467.7	403.6	366.4	358.9
70°	420.6	400.8	349.0	324.5	315.1
72.5°	350.9	340.5	297.2	280.7	268.0
75°	286.3	282.6	254.3	234.1	230.3
77.5°	227.9	233.6	209.1	194.5	191.2
80°	175.7	181.3	165.8	153.5	149.3
82.5°	128.1	135.6	120.1	117.3	113.0
85°	84.8	87.1	79.6	80.5	74.9
87.5°	41.4	46.2	41.9	43.3	40.5
90°	0.0	0.0	0.0	0.0	0.0

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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	17.8	19.4	19.8	15.6	17.3	16.0	17.6	18.0
	3H	19.2	20.7	19.6	21.0	21.4	17.3	18.9	17.7	19.2	19.6
	4H	19.8	21.3	20.2	21.6	22.0	18.0	19.5	18.4	19.8	20.2
	6H	20.3	21.7	20.7	22.0	22.4	18.6	20.0	19.0	20.3	20.7
	8H	20.5	21.8	20.9	22.2	22.6	18.8	20.1	19.3	20.5	20.9
	12H	20.6	21.9	21.0	22.2	22.7	19.0	20.3	19.4	20.6	21.1
4H	2H	17.8	19.3	18.2	19.6	20.0	16.4	17.8	16.8	18.2	18.6
	3H	19.8	21.1	20.2	21.5	21.9	18.3	19.6	18.7	20.0	20.4
	4H	20.6	21.7	21.1	22.2	22.6	19.2	20.3	19.6	20.7	21.1
	6H	21.3	22.3	21.7	22.7	23.2	19.9	20.8	20.3	21.3	21.7
	8H	21.5	22.5	22.0	22.9	23.4	20.1	21.1	20.6	21.5	22.0
	12H	21.7	22.6	22.2	23.0	23.5	20.4	21.2	20.9	21.7	22.1
8H	4H	20.9	21.8	21.3	22.2	22.7	19.6	20.5	20.0	20.9	21.4
	6H	21.7	22.5	22.2	22.9	23.4	20.4	21.2	20.9	21.7	22.2
	8H	22.0	22.7	22.5	23.2	23.7	20.8	21.5	21.3	22.0	22.5
	12H	22.3	22.9	22.8	23.4	24.0	21.1	21.7	21.6	22.2	22.8
12H	4H	20.9	21.7	21.4	22.2	22.7	19.6	20.5	20.1	20.9	21.4
	6H	21.8	22.4	22.3	22.9	23.4	20.6	21.2	21.1	21.7	22.2
	8H	22.1	22.8	22.6	23.2	23.8	21.0	21.6	21.5	22.1	22.6















(END OF REPORT)