

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: P1584176

Luminaire Tested: 14CGSB-40-F125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584176
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-40-F125-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

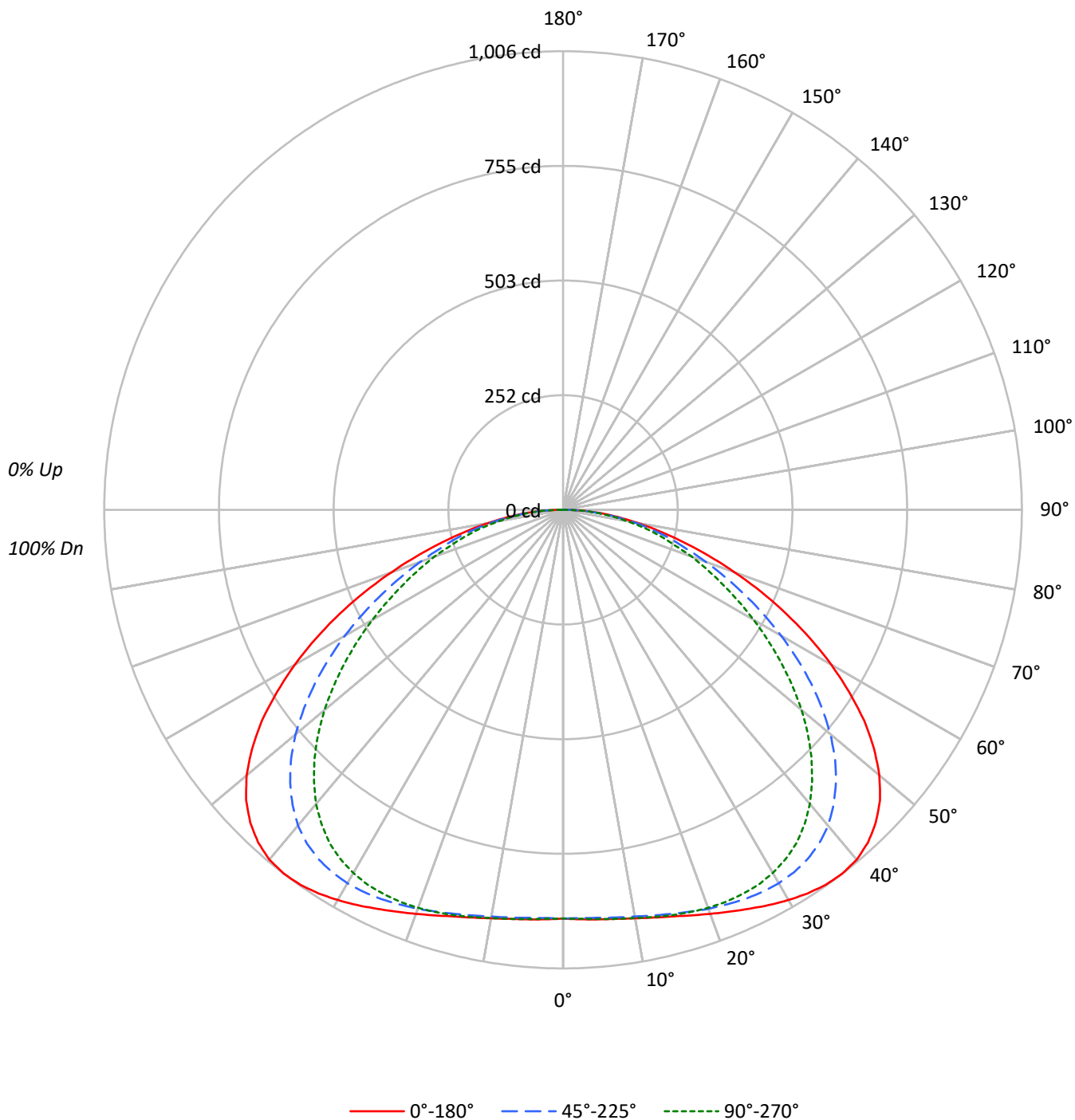
Lumens per Lamp: N/A
Luminaire Lumens: 3435.2 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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				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°	2412	2412	2412
5°	2436	2426	2434
10°	2486	2475	2484
15°	2572	2556	2565
20°	2700	2667	2661
25°	2866	2797	2761
30°	3071	2939	2858
35°	3298	3072	2932
40°	3519	3176	2958
45°	3691	3220	2932
50°	3790	3203	2858
55°	3781	3114	2738
60°	3654	2972	2596
65°	3442	2791	2455
70°	3150	2613	2360
75°	2833	2516	2279
80°	2591	2445	2202
85°	2492	2337	2201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	2.5
10°-20°	261.2	7.6
20°-30°	437.1	12.7
30°-40°	589.0	17.1
40°-50°	660.6	19.2
50°-60°	606.2	17.6
60°-70°	448.4	13.1
70°-80°	260.8	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°	784.5	22.8
0°-40°	1373.4	40.0
0°-60°	2640.3	76.9
0°-90°	3435.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3435.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	902	901	898	899	901	86
15°	923	922	918	918	921	263
25°	965	958	942	932	930	448
35°	1004	983	935	902	892	629
45°	970	933	846	789	770	746
55°	806	760	664	602	584	716
65°	540	508	438	398	386	535
75°	272	269	242	223	219	292
85°	81	83	76	77	71	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	896.4	896.4	896.4	896.4	896.4
2.5°	899.1	899.1	896.0	896.9	897.8
5°	901.8	901.4	898.2	898.7	900.9
7.5°	904.9	904.9	901.8	901.8	904.9
10°	909.9	909.0	905.8	906.7	909.0
12.5°	916.1	914.3	911.2	912.1	914.8
15°	923.3	921.5	917.5	918.4	920.6
17.5°	932.7	930.0	924.2	924.2	925.6
20°	943.0	938.6	931.4	927.8	929.1
22.5°	954.2	948.4	936.8	930.5	930.9
25°	965.4	958.3	942.1	931.8	930.0
27.5°	977.5	967.2	945.3	930.9	927.3
30°	988.3	975.3	945.7	926.0	919.7
32.5°	997.7	980.7	942.6	916.6	908.5
35°	1004.0	982.9	935.0	902.2	892.4
37.5°	1005.8	980.2	922.4	882.5	869.5
40°	1001.8	971.7	904.0	856.5	842.2
42.5°	989.6	956.5	878.0	825.2	808.1
45°	969.9	933.2	846.2	788.9	770.5
47.5°	942.6	900.9	809.0	747.2	727.9
50°	905.4	861.5	765.1	701.9	682.6
52.5°	859.2	813.5	716.2	653.9	633.3
55°	805.9	759.7	663.8	601.9	583.6
57.5°	743.6	701.0	608.7	550.0	532.5
60°	679.0	638.7	552.2	498.0	482.3
62.5°	610.9	574.2	495.3	446.4	433.0
65°	540.5	507.8	438.3	398.5	385.5
67.5°	470.2	445.1	384.1	348.7	341.5
70°	400.3	381.4	332.1	308.8	299.9
72.5°	333.9	324.1	282.8	267.1	255.0
75°	272.5	268.9	242.0	222.8	219.2
77.5°	216.9	222.3	199.0	185.1	182.0
80°	167.2	172.6	157.8	146.1	142.1
82.5°	121.9	129.1	114.3	111.6	107.6
85°	80.7	82.9	75.7	76.6	71.3
87.5°	39.4	43.9	39.9	41.2	38.5
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	17.3	19.0	17.6	19.3	19.6	15.5	17.2	15.8	17.5	17.8
	3H	19.0	20.5	19.4	20.9	21.2	17.2	18.7	17.6	19.0	19.4
	4H	19.6	21.1	20.0	21.4	21.8	17.9	19.3	18.3	19.7	20.0
	6H	20.1	21.5	20.5	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	20.7
	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	19.8	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	22.1	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)