

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: P1584174

Luminaire Tested: 14CGSB-40-F125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584174
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

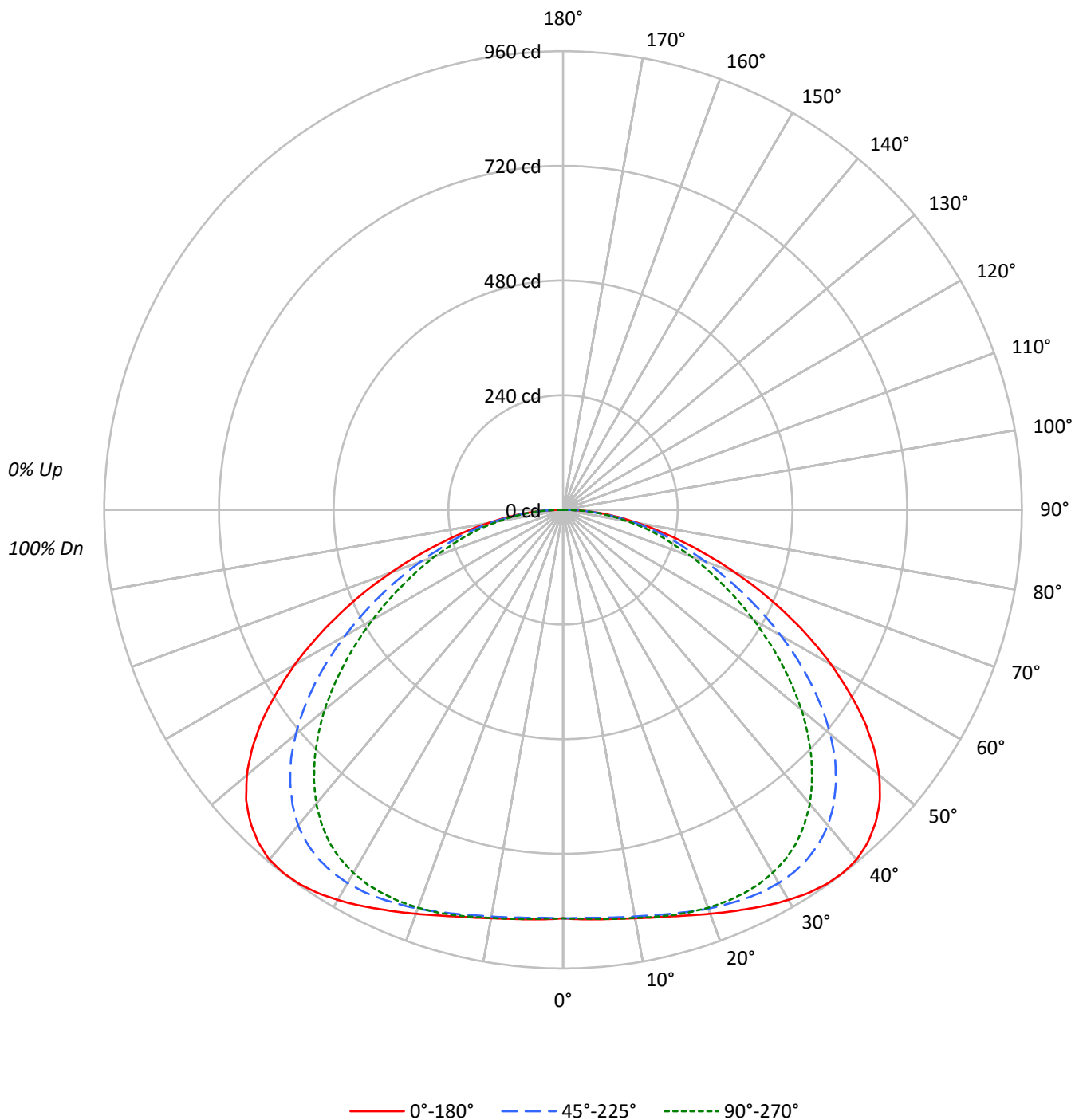
Lumens per Lamp: N/A
Luminaire Lumens: 3277.3 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2301	2301	2301
5°	2324	2315	2322
10°	2372	2361	2370
15°	2454	2439	2447
20°	2576	2545	2538
25°	2735	2669	2635
30°	2930	2803	2726
35°	3146	2930	2797
40°	3357	3030	2823
45°	3521	3072	2797
50°	3616	3056	2726
55°	3607	2971	2612
60°	3486	2835	2476
65°	3284	2663	2341
70°	3004	2493	2251
75°	2703	2401	2174
80°	2472	2332	2101
85°	2377	2232	2100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 3623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	2.5
10°-20°	249.2	7.6
20°-30°	417.0	12.7
30°-40°	561.9	17.1
40°-50°	630.3	19.2
50°-60°	578.3	17.6
60°-70°	427.8	13.1
70°-80°	248.9	7.6
80°-90°	81.8	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°	748.4	22.8
0°-40°	1310.3	40.0
0°-60°	2518.9	76.9
0°-90°	3277.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3277.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	860	860	857	857	860	82
15°	881	879	875	876	878	251
25°	921	914	899	889	887	427
35°	958	938	892	861	851	600
45°	925	890	807	753	735	711
55°	769	725	633	574	557	683
65°	516	484	418	380	368	510
75°	260	257	231	212	209	278
85°	77	79	72	73	68	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.2	855.2	855.2	855.2	855.2
2.5°	857.8	857.8	854.8	855.6	856.5
5°	860.3	859.9	856.9	857.3	859.5
7.5°	863.3	863.3	860.3	860.3	863.3
10°	868.0	867.2	864.2	865.0	867.2
12.5°	874.0	872.3	869.3	870.2	872.7
15°	880.9	879.2	875.3	876.2	878.3
17.5°	889.8	887.3	881.7	881.7	883.0
20°	899.7	895.4	888.6	885.1	886.4
22.5°	910.4	904.8	893.7	887.7	888.1
25°	921.1	914.2	898.8	889.0	887.3
27.5°	932.6	922.8	901.8	888.1	884.7
30°	942.9	930.5	902.2	883.4	877.4
32.5°	951.8	935.6	899.2	874.4	866.8
35°	957.8	937.7	892.0	860.8	851.4
37.5°	959.5	935.2	880.0	842.0	829.6
40°	955.7	927.0	862.5	817.1	803.5
42.5°	944.1	912.5	837.7	787.2	771.0
45°	925.3	890.3	807.3	752.6	735.0
47.5°	899.2	859.5	771.8	712.8	694.4
50°	863.8	821.9	729.9	669.6	651.2
52.5°	819.7	776.1	683.3	623.9	604.2
55°	768.8	724.8	633.3	574.3	556.7
57.5°	709.4	668.8	580.7	524.7	508.0
60°	647.8	609.3	526.8	475.1	460.1
62.5°	582.8	547.8	472.5	425.9	413.1
65°	515.7	484.5	418.2	380.1	367.7
67.5°	448.6	424.6	366.5	332.7	325.8
70°	381.8	363.9	316.9	294.6	286.1
72.5°	318.6	309.2	269.8	254.9	243.3
75°	260.0	256.6	230.9	212.5	209.1
77.5°	207.0	212.1	189.9	176.6	173.6
80°	159.5	164.6	150.5	139.4	135.6
82.5°	116.3	123.1	109.0	106.5	102.6
85°	77.0	79.1	72.3	73.1	68.0
87.5°	37.6	41.9	38.1	39.3	36.8
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	17.1	18.8	17.5	19.1	19.4	15.3	17.0	15.7	17.3	17.6
	3H	18.8	20.4	19.2	20.7	21.1	17.0	18.6	17.4	18.9	19.2
	4H	19.5	20.9	19.9	21.3	21.7	17.7	19.2	18.1	19.5	19.9
	6H	20.0	21.3	20.4	21.7	22.1	18.3	19.6	18.7	20.0	20.4
	8H	20.1	21.4	20.6	21.8	22.2	18.5	19.8	18.9	20.2	20.6
	12H	20.3	21.5	20.7	21.9	22.3	18.7	19.9	19.1	20.3	20.7
4H	2H	17.5	19.0	17.9	19.3	19.7	16.1	17.5	16.5	17.9	18.2
	3H	19.5	20.7	19.9	21.1	21.5	18.0	19.2	18.4	19.6	20.0
	4H	20.3	21.4	20.7	21.8	22.3	18.8	19.9	19.2	20.3	20.8
	6H	21.0	21.9	21.4	22.4	22.8	19.5	20.5	20.0	20.9	21.4
	8H	21.2	22.1	21.7	22.6	23.0	19.8	20.7	20.3	21.2	21.6
	12H	21.4	22.2	21.9	22.7	23.2	20.0	20.9	20.5	21.3	21.8
8H	4H	20.6	21.5	21.0	21.9	22.4	19.2	20.2	19.7	20.6	21.1
	6H	21.4	22.1	21.8	22.6	23.1	20.1	20.9	20.6	21.3	21.8
	8H	21.7	22.4	22.2	22.9	23.4	20.5	21.2	21.0	21.7	22.1
	12H	22.0	22.6	22.5	23.1	23.6	20.8	21.4	21.3	21.9	22.5
12H	4H	20.6	21.4	21.1	21.9	22.3	19.3	20.1	19.8	20.6	21.1
	6H	21.4	22.1	21.9	22.6	23.1	20.2	20.9	20.7	21.4	21.9
	8H	21.8	22.4	22.3	22.9	23.5	20.6	21.2	21.1	21.7	22.3















(END OF REPORT)