

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: P1584175

Luminaire Tested: 14CGSB-40-F125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584175
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-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

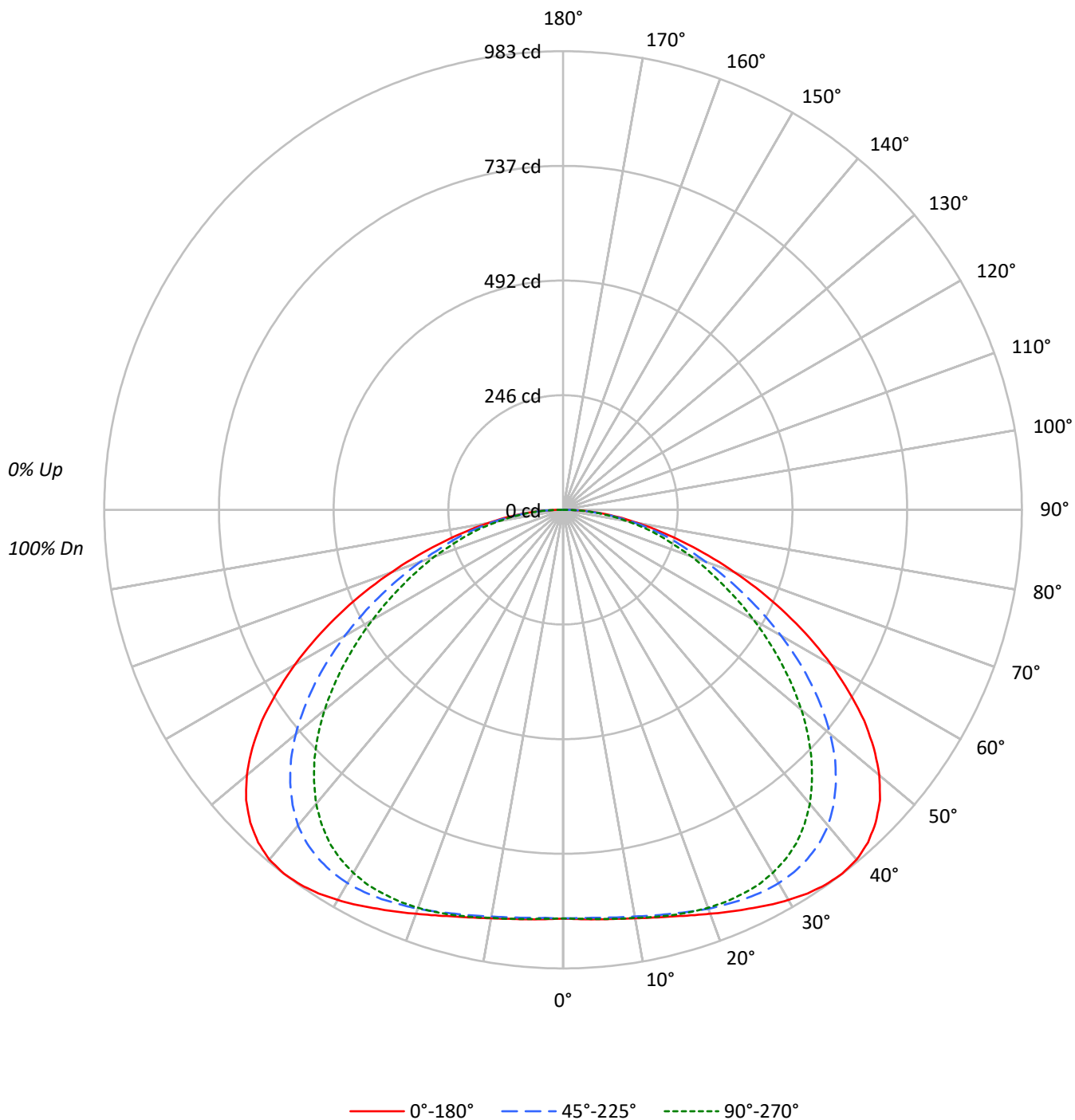
Lumens per Lamp: N/A
Luminaire Lumens: 3356.3 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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°	2357	2357	2357
5°	2380	2371	2378
10°	2429	2418	2427
15°	2513	2497	2506
20°	2639	2606	2600
25°	2801	2733	2698
30°	3000	2871	2792
35°	3222	3001	2864
40°	3438	3103	2890
45°	3606	3146	2865
50°	3703	3129	2792
55°	3694	3042	2675
60°	3570	2904	2536
65°	3363	2727	2398
70°	3077	2553	2305
75°	2768	2459	2226
80°	2531	2388	2151
85°	2433	2285	2149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3711 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	2.5
10°-20°	255.2	7.6
20°-30°	427.1	12.7
30°-40°	575.4	17.1
40°-50°	645.5	19.2
50°-60°	592.3	17.6
60°-70°	438.1	13.1
70°-80°	254.8	7.6
80°-90°	83.8	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°	766.4	22.8
0°-40°	1341.9	40.0
0°-60°	2579.6	76.9
0°-90°	3356.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3356.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	881	881	878	878	880	84
15°	902	900	896	897	900	257
25°	943	936	920	910	909	437
35°	981	960	914	882	872	614
45°	948	912	827	771	753	728
55°	787	742	648	588	570	700
65°	528	496	428	389	377	522
75°	266	263	236	218	214	285
85°	79	81	74	75	70	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	875.8	875.8	875.8	875.8	875.8
2.5°	878.4	878.4	875.4	876.3	877.1
5°	881.1	880.6	877.6	878.0	880.2
7.5°	884.1	884.1	881.1	881.1	884.1
10°	889.0	888.1	885.0	885.9	888.1
12.5°	895.1	893.3	890.3	891.1	893.8
15°	902.1	900.3	896.4	897.3	899.5
17.5°	911.3	908.7	903.0	903.0	904.3
20°	921.4	917.0	910.0	906.5	907.8
22.5°	932.3	926.6	915.2	909.1	909.5
25°	943.3	936.2	920.5	910.4	908.7
27.5°	955.1	945.0	923.5	909.5	906.0
30°	965.6	952.9	924.0	904.7	898.6
32.5°	974.8	958.1	920.9	895.5	887.6
35°	980.9	960.3	913.5	881.5	871.9
37.5°	982.7	957.7	901.2	862.2	849.5
40°	978.7	949.4	883.3	836.8	822.8
42.5°	966.9	934.5	857.9	806.2	789.5
45°	947.6	911.7	826.8	770.7	752.8
47.5°	920.9	880.2	790.4	730.0	711.2
50°	884.6	841.7	747.5	685.8	666.9
52.5°	839.5	794.8	699.8	638.9	618.8
55°	787.4	742.3	648.5	588.1	570.2
57.5°	726.5	684.9	594.7	537.3	520.2
60°	663.4	624.0	539.5	486.5	471.2
62.5°	596.9	561.0	483.9	436.2	423.0
65°	528.1	496.1	428.3	389.3	376.6
67.5°	459.4	434.8	375.3	340.7	333.7
70°	391.1	372.7	324.5	301.7	293.0
72.5°	326.2	316.6	276.3	261.0	249.2
75°	266.2	262.7	236.5	217.6	214.1
77.5°	211.9	217.2	194.4	180.9	177.8
80°	163.3	168.6	154.1	142.8	138.8
82.5°	119.1	126.1	111.7	109.0	105.1
85°	78.8	81.0	74.0	74.9	69.6
87.5°	38.5	42.9	39.0	40.3	37.7
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	17.2	18.9	17.5	19.2	19.5	15.4	17.1	15.7	17.4	17.7
	3H	18.9	20.5	19.3	20.8	21.2	17.1	18.6	17.5	19.0	19.3
	4H	19.6	21.0	20.0	21.4	21.7	17.8	19.2	18.2	19.6	20.0
	6H	20.1	21.4	20.5	21.8	22.2	18.4	19.7	18.8	20.1	20.5
	8H	20.2	21.5	20.7	21.9	22.3	18.6	19.9	19.0	20.3	20.7
	12H	20.4	21.6	20.8	22.0	22.4	18.8	20.0	19.2	20.4	20.8
4H	2H	17.6	19.0	18.0	19.4	19.8	16.1	17.6	16.5	17.9	18.3
	3H	19.6	20.8	20.0	21.2	21.6	18.1	19.3	18.5	19.7	20.1
	4H	20.4	21.5	20.8	21.9	22.3	18.9	20.0	19.3	20.4	20.9
	6H	21.0	22.0	21.5	22.5	22.9	19.6	20.6	20.1	21.0	21.5
	8H	21.3	22.2	21.7	22.6	23.1	19.9	20.8	20.3	21.2	21.7
	12H	21.5	22.3	22.0	22.8	23.2	20.1	20.9	20.6	21.4	21.9
8H	4H	20.6	21.5	21.1	22.0	22.5	19.3	20.2	19.8	20.7	21.1
	6H	21.4	22.2	21.9	22.7	23.2	20.2	20.9	20.7	21.4	21.9
	8H	21.8	22.5	22.3	23.0	23.4	20.5	21.2	21.1	21.7	22.2
	12H	22.1	22.7	22.6	23.2	23.7	20.9	21.5	21.4	22.0	22.5
12H	4H	20.7	21.5	21.1	22.0	22.4	19.4	20.2	19.9	20.7	21.2
	6H	21.5	22.2	22.0	22.7	23.2	20.3	21.0	20.8	21.4	22.0
	8H	21.9	22.5	22.4	23.0	23.5	20.7	21.3	21.2	21.8	22.4















(END OF REPORT)