

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: P1584181

Luminaire Tested: 14CGSB-45-F125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584181
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-45-F125-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

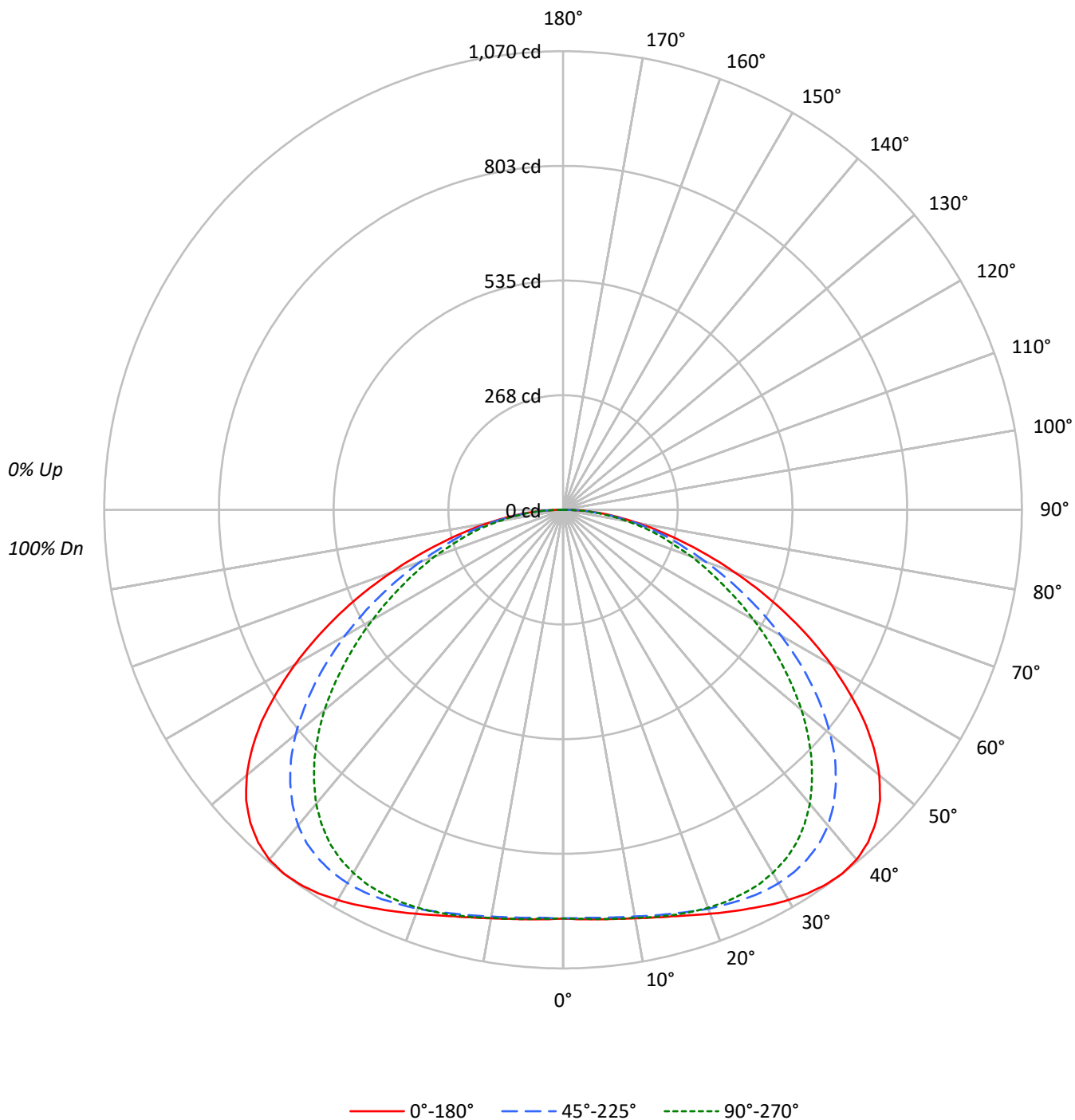
Lumens per Lamp: N/A
Luminaire Lumens: 3653.3 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.5
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°	2565	2565	2565
5°	2591	2580	2588
10°	2644	2632	2641
15°	2735	2718	2728
20°	2872	2836	2830
25°	3048	2975	2937
30°	3266	3125	3039
35°	3507	3266	3118
40°	3742	3377	3146
45°	3925	3425	3118
50°	4031	3406	3039
55°	4021	3312	2912
60°	3886	3160	2760
65°	3661	2968	2610
70°	3349	2779	2509
75°	3013	2676	2424
80°	2755	2600	2342
85°	2649	2489	2340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 4039 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	2.5
10°-20°	277.8	7.6
20°-30°	464.9	12.7
30°-40°	626.3	17.1
40°-50°	702.6	19.2
50°-60°	644.7	17.6
60°-70°	476.8	13.1
70°-80°	277.4	7.6
80°-90°	91.2	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°	834.3	22.8
0°-40°	1460.6	40.0
0°-60°	2807.9	76.9
0°-90°	3653.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3653.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	959	959	955	956	958	92
15°	982	980	976	977	979	279
25°	1027	1019	1002	991	989	476
35°	1068	1045	994	960	949	669
45°	1032	992	900	839	819	793
55°	857	808	706	640	621	761
65°	575	540	466	424	410	569
75°	290	286	257	237	233	310
85°	86	88	81	82	76	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.3	953.3	953.3	953.3	953.3
2.5°	956.2	956.2	952.8	953.8	954.8
5°	959.0	958.6	955.2	955.7	958.1
7.5°	962.4	962.4	959.0	959.0	962.4
10°	967.6	966.7	963.3	964.3	966.7
12.5°	974.3	972.4	969.1	970.0	972.9
15°	981.9	980.0	975.7	976.7	979.1
17.5°	991.9	989.1	982.9	982.9	984.3
20°	1002.9	998.1	990.5	986.7	988.1
22.5°	1014.8	1008.6	996.2	989.6	990.0
25°	1026.7	1019.1	1001.9	991.0	989.1
27.5°	1039.6	1028.6	1005.3	990.0	986.2
30°	1051.0	1037.2	1005.8	984.8	978.1
32.5°	1061.1	1042.9	1002.4	974.8	966.2
35°	1067.7	1045.3	994.3	959.5	949.0
37.5°	1069.6	1042.5	981.0	938.5	924.7
40°	1065.3	1033.4	961.4	910.9	895.7
42.5°	1052.5	1017.2	933.8	877.5	859.4
45°	1031.5	992.4	899.9	838.9	819.4
47.5°	1002.4	958.1	860.4	794.6	774.1
50°	962.9	916.1	813.7	746.5	726.0
52.5°	913.8	865.1	761.7	695.5	673.5
55°	857.0	807.9	705.9	640.2	620.6
57.5°	790.8	745.5	647.3	584.9	566.3
60°	722.1	679.2	587.2	529.6	512.9
62.5°	649.7	610.6	526.7	474.8	460.5
65°	574.9	540.1	466.2	423.8	409.9
67.5°	500.0	473.3	408.5	370.8	363.2
70°	425.7	405.6	353.2	328.4	318.9
72.5°	355.1	344.6	300.8	284.1	271.2
75°	289.8	286.0	257.4	236.9	233.1
77.5°	230.7	236.4	211.6	196.9	193.5
80°	177.8	183.5	167.8	155.4	151.1
82.5°	129.7	137.3	121.5	118.7	114.4
85°	85.8	88.2	80.6	81.5	75.8
87.5°	41.9	46.7	42.4	43.9	41.0
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	17.5	19.2	17.8	19.5	19.8	15.7	17.4	16.0	17.7	18.0
	3H	19.2	20.8	19.6	21.1	21.4	17.4	18.9	17.8	19.3	19.6
	4H	19.9	21.3	20.3	21.7	22.0	18.1	19.5	18.5	19.9	20.3
	6H	20.4	21.7	20.8	22.1	22.5	18.7	20.0	19.1	20.4	20.8
	8H	20.5	21.8	20.9	22.2	22.6	18.9	20.2	19.3	20.6	21.0
	12H	20.7	21.9	21.1	22.3	22.7	19.1	20.3	19.5	20.7	21.1
4H	2H	17.9	19.3	18.3	19.7	20.1	16.4	17.9	16.8	18.2	18.6
	3H	19.9	21.1	20.3	21.5	21.9	18.4	19.6	18.8	20.0	20.4
	4H	20.7	21.8	21.1	22.2	22.6	19.2	20.3	19.6	20.7	21.1
	6H	21.3	22.3	21.8	22.8	23.2	19.9	20.9	20.4	21.3	21.8
	8H	21.6	22.5	22.0	22.9	23.4	20.2	21.1	20.6	21.5	22.0
	12H	21.8	22.6	22.3	23.1	23.5	20.4	21.2	20.9	21.7	22.2
8H	4H	20.9	21.8	21.4	22.3	22.7	19.6	20.5	20.1	21.0	21.4
	6H	21.7	22.5	22.2	23.0	23.5	20.5	21.2	21.0	21.7	22.2
	8H	22.1	22.8	22.6	23.3	23.7	20.8	21.5	21.3	22.0	22.5
	12H	22.4	23.0	22.9	23.5	24.0	21.2	21.8	21.7	22.3	22.8
12H	4H	21.0	21.8	21.4	22.3	22.7	19.7	20.5	20.2	21.0	21.5
	6H	21.8	22.5	22.3	22.9	23.5	20.6	21.3	21.1	21.7	22.3
	8H	22.2	22.8	22.7	23.3	23.8	21.0	21.6	21.5	22.1	22.7









(END OF REPORT)