

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: P1584154

Luminaire Tested: 14CGSB-25-F125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584154
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-25-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

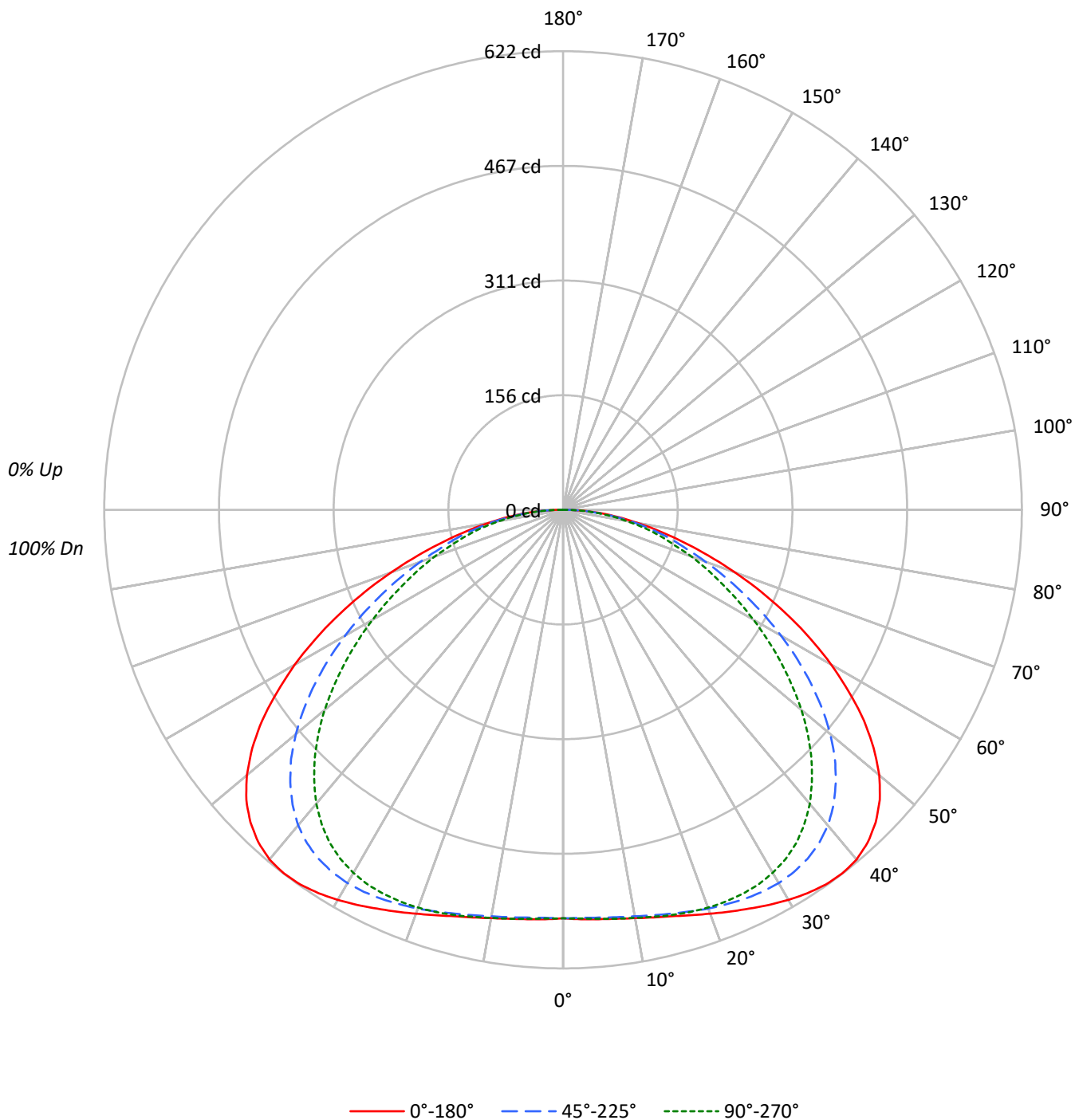
Lumens per Lamp: N/A
Luminaire Lumens: 2123.1 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
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°	1491	1491	1491
5°	1505	1499	1504
10°	1536	1530	1535
15°	1590	1580	1585
20°	1669	1648	1644
25°	1772	1729	1707
30°	1898	1816	1766
35°	2038	1898	1812
40°	2175	1963	1828
45°	2281	1990	1812
50°	2343	1980	1766
55°	2337	1924	1692
60°	2259	1837	1604
65°	2127	1725	1517
70°	1947	1615	1458
75°	1751	1555	1409
80°	1601	1511	1361
85°	1541	1445	1359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2347 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	2.5
10°-20°	161.4	7.6
20°-30°	270.1	12.7
30°-40°	364.0	17.1
40°-50°	408.3	19.2
50°-60°	374.7	17.6
60°-70°	277.1	13.1
70°-80°	161.2	7.6
80°-90°	53.0	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°	484.8	22.8
0°-40°	848.8	40.0
0°-60°	1631.8	76.9
0°-90°	2123.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	554	554	554	554	554	
5°	557	557	555	555	557	53
15°	571	570	567	568	569	162
25°	597	592	582	576	575	277
35°	620	608	578	558	552	389
45°	599	577	523	488	476	461
55°	498	470	410	372	361	443
65°	334	314	271	246	238	330
75°	168	166	150	138	136	180
85°	50	51	47	47	44	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	554.0	554.0	554.0	554.0	554.0
2.5°	555.7	555.7	553.7	554.3	554.8
5°	557.3	557.1	555.1	555.4	556.8
7.5°	559.3	559.3	557.3	557.3	559.3
10°	562.3	561.8	559.8	560.4	561.8
12.5°	566.2	565.1	563.2	563.7	565.4
15°	570.6	569.5	567.0	567.6	569.0
17.5°	576.5	574.8	571.2	571.2	572.0
20°	582.8	580.1	575.6	573.4	574.2
22.5°	589.8	586.1	578.9	575.1	575.3
25°	596.7	592.2	582.3	575.9	574.8
27.5°	604.2	597.8	584.2	575.3	573.1
30°	610.8	602.8	584.5	572.3	568.4
32.5°	616.6	606.1	582.5	566.5	561.5
35°	620.5	607.5	577.8	557.6	551.5
37.5°	621.6	605.8	570.1	545.4	537.4
40°	619.1	600.6	558.7	529.4	520.5
42.5°	611.6	591.1	542.7	510.0	499.4
45°	599.4	576.7	523.0	487.5	476.2
47.5°	582.5	556.8	500.0	461.8	449.9
50°	559.6	532.4	472.9	433.8	421.9
52.5°	531.0	502.8	442.7	404.2	391.4
55°	498.1	469.5	410.2	372.0	360.7
57.5°	459.6	433.2	376.2	339.9	329.1
60°	419.7	394.7	341.3	307.8	298.1
62.5°	377.6	354.8	306.1	275.9	267.6
65°	334.1	313.9	270.9	246.3	238.2
67.5°	290.6	275.1	237.4	215.5	211.1
70°	247.4	235.7	205.3	190.9	185.3
72.5°	206.4	200.3	174.8	165.1	157.6
75°	168.4	166.2	149.6	137.7	135.5
77.5°	134.1	137.4	123.0	114.4	112.5
80°	103.3	106.6	97.5	90.3	87.8
82.5°	75.3	79.8	70.6	69.0	66.5
85°	49.9	51.2	46.8	47.4	44.0
87.5°	24.4	27.1	24.7	25.5	23.8
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	15.6	17.3	16.0	17.6	17.9	13.8	15.5	14.1	15.8	16.1
	3H	17.3	18.9	17.7	19.2	19.6	15.5	17.0	15.9	17.4	17.7
	4H	18.0	19.4	18.4	19.8	20.1	16.2	17.7	16.6	18.0	18.4
	6H	18.5	19.8	18.9	20.2	20.6	16.8	18.1	17.2	18.5	18.9
	8H	18.6	19.9	19.1	20.3	20.7	17.0	18.3	17.4	18.7	19.1
	12H	18.8	20.0	19.2	20.4	20.8	17.2	18.4	17.6	18.8	19.2
4H	2H	16.0	17.5	16.4	17.8	18.2	14.6	16.0	14.9	16.4	16.7
	3H	18.0	19.2	18.4	19.6	20.0	16.5	17.7	16.9	18.1	18.5
	4H	18.8	19.9	19.2	20.3	20.7	17.3	18.4	17.7	18.8	19.3
	6H	19.5	20.4	19.9	20.9	21.3	18.0	19.0	18.5	19.4	19.9
	8H	19.7	20.6	20.2	21.0	21.5	18.3	19.2	18.8	19.7	20.1
	12H	19.9	20.7	20.4	21.2	21.7	18.5	19.4	19.0	19.8	20.3
8H	4H	19.0	20.0	19.5	20.4	20.9	17.7	18.6	18.2	19.1	19.5
	6H	19.8	20.6	20.3	21.1	21.6	18.6	19.4	19.1	19.8	20.3
	8H	20.2	20.9	20.7	21.4	21.9	19.0	19.6	19.5	20.1	20.6
	12H	20.5	21.1	21.0	21.6	22.1	19.3	19.9	19.8	20.4	20.9
12H	4H	19.1	19.9	19.6	20.4	20.8	17.8	18.6	18.3	19.1	19.6
	6H	19.9	20.6	20.4	21.1	21.6	18.7	19.4	19.2	19.9	20.4
	8H	20.3	20.9	20.8	21.4	22.0	19.1	19.7	19.6	20.2	20.8













(END OF REPORT)