

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: P1584152

Luminaire Tested: 14CGSB-25-F125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584152
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-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

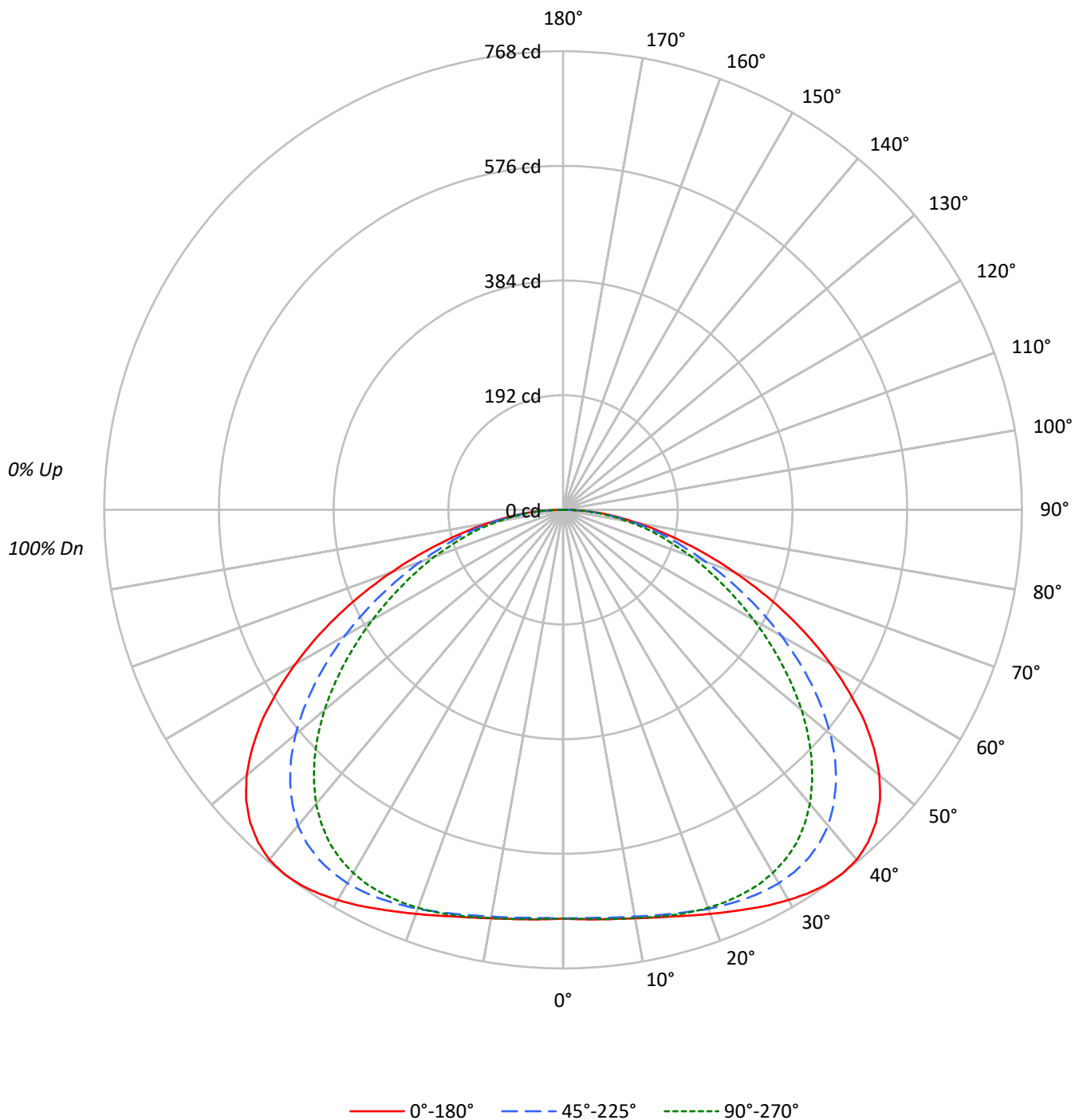
Lumens per Lamp: N/A
Luminaire Lumens: 2622.6 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	1842	1842	1842
5°	1860	1852	1858
10°	1898	1890	1896
15°	1964	1952	1958
20°	2062	2036	2031
25°	2189	2136	2108
30°	2344	2243	2182
35°	2518	2345	2238
40°	2687	2425	2259
45°	2818	2458	2238
50°	2894	2445	2182
55°	2887	2378	2090
60°	2790	2269	1982
65°	2628	2131	1874
70°	2404	1995	1801
75°	2163	1921	1739
80°	1977	1866	1681
85°	1902	1785	1680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2900 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	2.5
10°-20°	199.4	7.6
20°-30°	333.7	12.7
30°-40°	449.6	17.1
40°-50°	504.4	19.2
50°-60°	462.8	17.6
60°-70°	342.3	13.1
70°-80°	199.1	7.6
80°-90°	65.5	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°	598.9	22.8
0°-40°	1048.6	40.0
0°-60°	2015.7	76.9
0°-90°	2622.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2622.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	684	684	684	684	684	
5°	688	688	686	686	688	66
15°	705	704	700	701	703	200
25°	737	732	719	711	710	342
35°	766	750	714	689	681	480
45°	740	712	646	602	588	569
55°	615	580	507	460	446	547
65°	413	388	335	304	294	408
75°	208	205	185	170	167	223
85°	62	63	58	58	54	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	684.4	684.4	684.4	684.4	684.4
2.5°	686.4	686.4	684.0	684.7	685.4
5°	688.5	688.1	685.7	686.1	687.8
7.5°	690.9	690.9	688.5	688.5	690.9
10°	694.6	694.0	691.6	692.2	694.0
12.5°	699.4	698.1	695.7	696.3	698.4
15°	704.9	703.5	700.5	701.1	702.9
17.5°	712.1	710.0	705.6	705.6	706.6
20°	720.0	716.5	711.1	708.3	709.4
22.5°	728.5	724.1	715.2	710.4	710.7
25°	737.1	731.6	719.3	711.4	710.0
27.5°	746.3	738.4	721.7	710.7	708.0
30°	754.5	744.6	722.0	707.0	702.2
32.5°	761.7	748.7	719.6	699.8	693.6
35°	766.5	750.4	713.8	688.8	681.3
37.5°	767.9	748.4	704.2	673.8	663.8
40°	764.8	741.9	690.2	653.9	643.0
42.5°	755.5	730.2	670.3	630.0	617.0
45°	740.5	712.4	646.0	602.2	588.2
47.5°	719.6	687.8	617.6	570.4	555.7
50°	691.2	657.7	584.1	535.9	521.2
52.5°	656.0	621.1	546.8	499.3	483.5
55°	615.3	580.0	506.8	459.6	445.5
57.5°	567.7	535.2	464.7	419.9	406.5
60°	518.4	487.6	421.6	380.2	368.2
62.5°	466.4	438.3	378.1	340.8	330.6
65°	412.7	387.7	334.7	304.2	294.3
67.5°	359.0	339.8	293.3	266.2	260.7
70°	305.6	291.2	253.6	235.8	228.9
72.5°	254.9	247.4	215.9	203.9	194.7
75°	208.0	205.3	184.8	170.1	167.3
77.5°	165.6	169.7	151.9	141.3	138.9
80°	127.6	131.7	120.4	111.6	108.5
82.5°	93.1	98.5	87.3	85.2	82.1
85°	61.6	63.3	57.8	58.5	54.4
87.5°	30.1	33.5	30.5	31.5	29.4
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	16.3	18.0	16.7	18.3	18.7	14.5	16.2	14.9	16.5	16.8
	3H	18.1	19.6	18.4	19.9	20.3	16.2	17.8	16.6	18.1	18.5
	4H	18.7	20.2	19.1	20.5	20.9	16.9	18.4	17.3	18.7	19.1
	6H	19.2	20.6	19.6	20.9	21.3	17.5	18.9	17.9	19.2	19.6
	8H	19.4	20.7	19.8	21.1	21.5	17.7	19.0	18.2	19.4	19.8
	12H	19.5	20.7	19.9	21.1	21.6	17.9	19.1	18.3	19.5	20.0
4H	2H	16.7	18.2	17.1	18.5	18.9	15.3	16.7	15.7	17.1	17.5
	3H	18.7	20.0	19.1	20.3	20.7	17.2	18.4	17.6	18.8	19.2
	4H	19.5	20.6	20.0	21.1	21.5	18.0	19.2	18.5	19.6	20.0
	6H	20.2	21.2	20.6	21.6	22.1	18.8	19.7	19.2	20.2	20.6
	8H	20.4	21.3	20.9	21.8	22.2	19.0	19.9	19.5	20.4	20.8
	12H	20.6	21.4	21.1	21.9	22.4	19.3	20.1	19.7	20.6	21.0
8H	4H	19.8	20.7	20.2	21.1	21.6	18.5	19.4	18.9	19.8	20.3
	6H	20.6	21.3	21.1	21.8	22.3	19.3	20.1	19.8	20.6	21.0
	8H	20.9	21.6	21.4	22.1	22.6	19.7	20.4	20.2	20.9	21.4
	12H	21.2	21.8	21.7	22.3	22.9	20.0	20.6	20.5	21.1	21.7
12H	4H	19.8	20.6	20.3	21.1	21.6	18.5	19.4	19.0	19.8	20.3
	6H	20.6	21.3	21.2	21.8	22.3	19.4	20.1	20.0	20.6	21.1
	8H	21.0	21.6	21.5	22.1	22.7	19.9	20.5	20.4	21.0	21.5













(END OF REPORT)