

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: P1584155

Luminaire Tested: 14CGSB-25-F125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584155
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

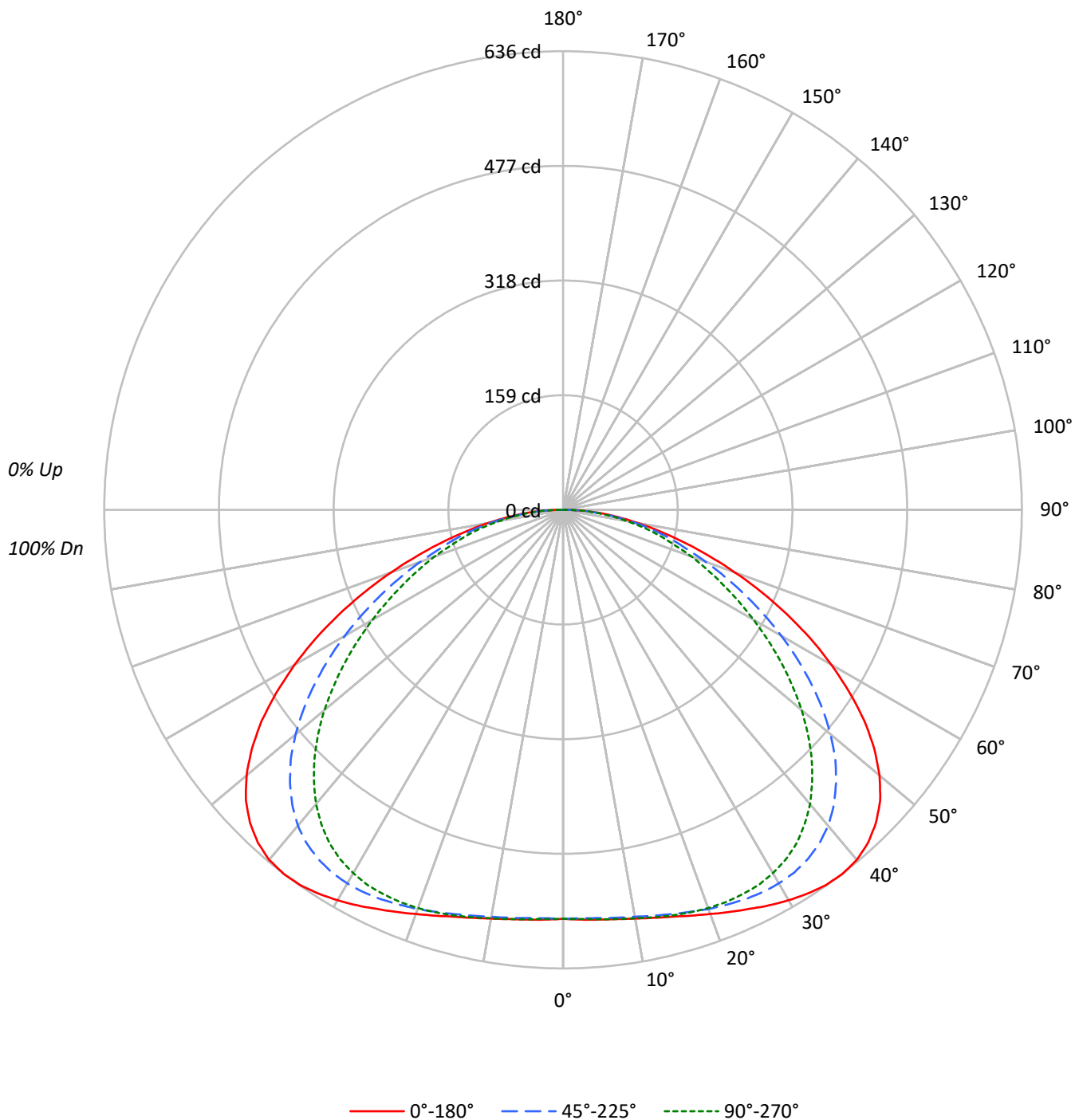
Lumens per Lamp: N/A
Luminaire Lumens: 2173.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1526	1526	1526
5°	1541	1535	1539
10°	1573	1566	1571
15°	1627	1617	1623
20°	1708	1687	1683
25°	1813	1770	1747
30°	1943	1859	1808
35°	2086	1943	1854
40°	2226	2009	1871
45°	2335	2037	1855
50°	2398	2026	1808
55°	2392	1970	1732
60°	2312	1880	1642
65°	2177	1766	1552
70°	1992	1653	1493
75°	1792	1592	1441
80°	1640	1547	1393
85°	1575	1479	1392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2402 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	2.5
10°-20°	165.2	7.6
20°-30°	276.5	12.7
30°-40°	372.6	17.1
40°-50°	417.9	19.2
50°-60°	383.5	17.6
60°-70°	283.6	13.1
70°-80°	165.0	7.6
80°-90°	54.3	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°	496.2	22.8
0°-40°	868.8	40.0
0°-60°	1670.2	76.9
0°-90°	2173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	567	567	567	567	567	
5°	570	570	568	568	570	55
15°	584	583	580	581	582	166
25°	611	606	596	590	588	283
35°	635	622	591	571	564	398
45°	614	590	535	499	487	472
55°	510	481	420	381	369	453
65°	342	321	277	252	244	338
75°	172	170	153	141	139	185
85°	51	52	48	48	45	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	567.1	567.1	567.1	567.1	567.1
2.5°	568.8	568.8	566.8	567.3	567.9
5°	570.5	570.2	568.2	568.5	569.9
7.5°	572.4	572.4	570.5	570.5	572.4
10°	575.6	575.0	573.0	573.6	575.0
12.5°	579.5	578.4	576.4	577.0	578.7
15°	584.1	582.9	580.4	580.9	582.4
17.5°	590.0	588.3	584.6	584.6	585.5
20°	596.5	593.7	589.2	586.9	587.7
22.5°	603.6	599.9	592.6	588.6	588.9
25°	610.7	606.2	596.0	589.5	588.3
27.5°	618.4	611.8	598.0	588.9	586.6
30°	625.2	617.0	598.2	585.8	581.8
32.5°	631.1	620.4	596.3	579.8	574.7
35°	635.1	621.8	591.4	570.7	564.5
37.5°	636.2	620.1	583.5	558.3	550.0
40°	633.7	614.7	571.9	541.8	532.7
42.5°	626.0	605.0	555.4	522.0	511.2
45°	613.6	590.3	535.3	499.0	487.4
47.5°	596.3	569.9	511.8	472.6	460.4
50°	572.7	544.9	484.0	444.0	431.8
52.5°	543.5	514.6	453.1	413.7	400.6
55°	509.8	480.6	419.9	380.8	369.2
57.5°	470.4	443.4	385.0	347.9	336.8
60°	429.5	404.0	349.3	315.0	305.1
62.5°	386.4	363.2	313.3	282.4	273.9
65°	341.9	321.2	277.3	252.1	243.8
67.5°	297.4	281.5	243.0	220.6	216.0
70°	253.2	241.3	210.1	195.3	189.7
72.5°	211.2	205.0	178.9	169.0	161.3
75°	172.4	170.1	153.1	140.9	138.6
77.5°	137.2	140.6	125.9	117.1	115.1
80°	105.8	109.2	99.8	92.4	89.9
82.5°	77.1	81.7	72.3	70.6	68.0
85°	51.0	52.5	47.9	48.5	45.1
87.5°	25.0	27.8	25.2	26.1	24.4
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	15.7	17.4	16.0	17.7	18.0	13.9	15.6	14.2	15.9	16.2
	3H	17.4	19.0	17.8	19.3	19.6	15.6	17.1	16.0	17.5	17.8
	4H	18.1	19.5	18.5	19.9	20.2	16.3	17.7	16.7	18.1	18.5
	6H	18.5	19.9	19.0	20.3	20.6	16.9	18.2	17.3	18.6	19.0
	8H	18.7	20.0	19.1	20.4	20.8	17.1	18.4	17.5	18.8	19.2
	12H	18.9	20.1	19.3	20.5	20.9	17.3	18.5	17.7	18.9	19.3
4H	2H	16.1	17.5	16.5	17.9	18.3	14.6	16.1	15.0	16.4	16.8
	3H	18.1	19.3	18.5	19.7	20.1	16.6	17.8	17.0	18.2	18.6
	4H	18.9	20.0	19.3	20.4	20.8	17.4	18.5	17.8	18.9	19.3
	6H	19.5	20.5	20.0	20.9	21.4	18.1	19.1	18.6	19.5	20.0
	8H	19.8	20.7	20.2	21.1	21.6	18.4	19.3	18.8	19.7	20.2
	12H	20.0	20.8	20.4	21.3	21.7	18.6	19.4	19.1	19.9	20.4
8H	4H	19.1	20.0	19.6	20.5	20.9	17.8	18.7	18.3	19.2	19.6
	6H	19.9	20.7	20.4	21.2	21.6	18.7	19.4	19.2	19.9	20.4
	8H	20.3	20.9	20.8	21.5	21.9	19.0	19.7	19.5	20.2	20.7
	12H	20.6	21.2	21.1	21.7	22.2	19.4	20.0	19.9	20.5	21.0
12H	4H	19.2	20.0	19.6	20.5	20.9	17.9	18.7	18.4	19.2	19.6
	6H	20.0	20.7	20.5	21.1	21.7	18.8	19.5	19.3	19.9	20.5
	8H	20.4	21.0	20.9	21.5	22.0	19.2	19.8	19.7	20.3	20.9















(END OF REPORT)