

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: P1584153

Luminaire Tested: 14CGSB-25-F125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584153
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

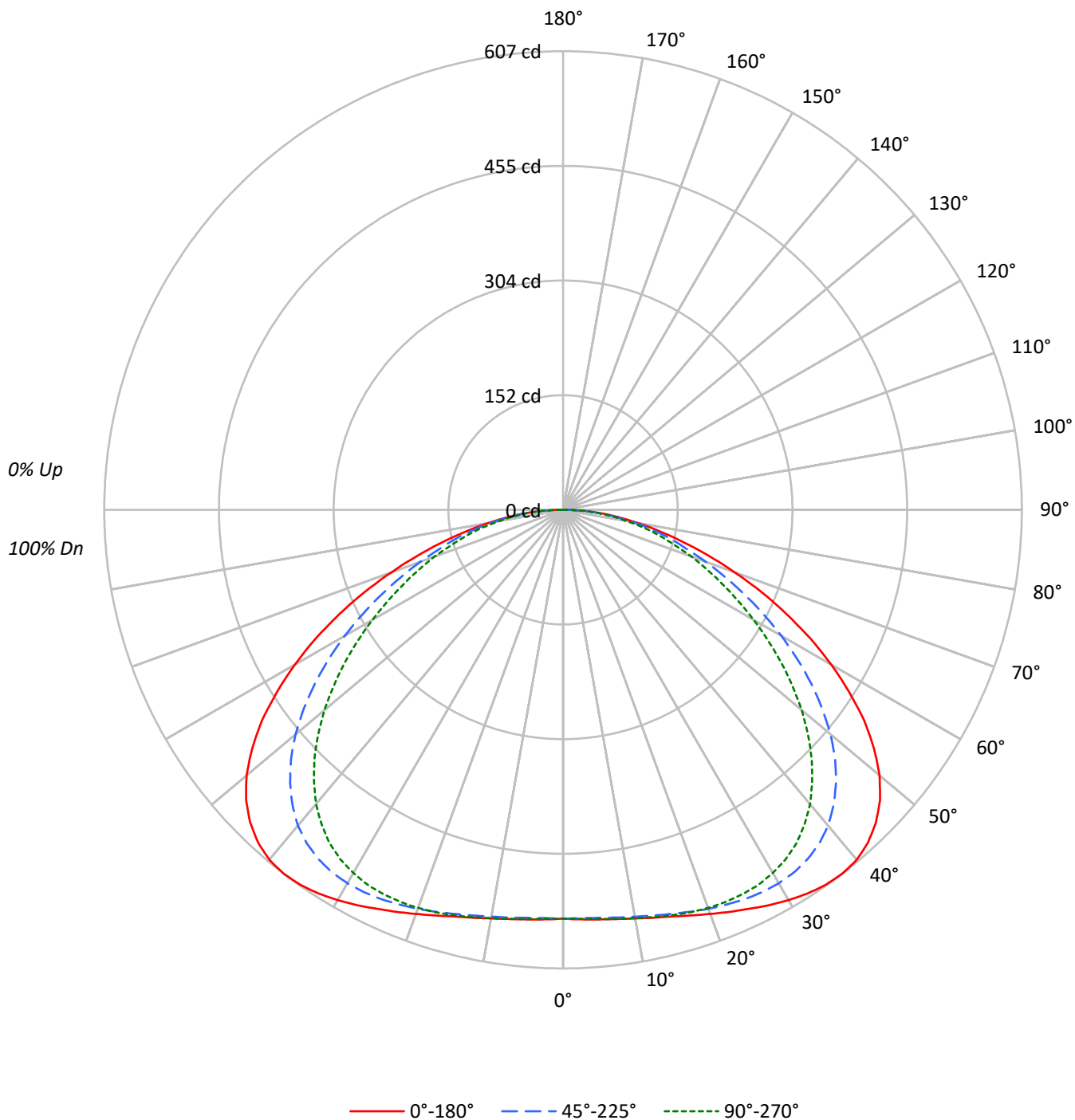
Lumens per Lamp: N/A
Luminaire Lumens: 2073.1 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1456	1456	1456
5°	1470	1464	1469
10°	1500	1494	1499
15°	1552	1543	1548
20°	1630	1610	1606
25°	1730	1688	1667
30°	1853	1773	1725
35°	1990	1853	1769
40°	2124	1917	1786
45°	2227	1944	1770
50°	2287	1933	1725
55°	2282	1879	1652
60°	2206	1793	1566
65°	2077	1684	1481
70°	1900	1577	1424
75°	1710	1519	1376
80°	1564	1475	1328
85°	1504	1411	1328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	2.5
10°-20°	157.6	7.6
20°-30°	263.8	12.7
30°-40°	355.4	17.1
40°-50°	398.7	19.2
50°-60°	365.8	17.6
60°-70°	270.6	13.1
70°-80°	157.4	7.6
80°-90°	51.8	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°	473.4	22.8
0°-40°	828.9	40.0
0°-60°	1593.4	76.9
0°-90°	2073.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	541	541	541	541	541	
5°	544	544	542	542	544	52
15°	557	556	554	554	556	158
25°	583	578	569	562	561	270
35°	606	593	564	544	538	379
45°	585	563	511	476	465	450
55°	486	458	401	363	352	432
65°	326	306	264	240	233	323
75°	164	162	146	134	132	176
85°	49	50	46	46	43	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	541.0	541.0	541.0	541.0	541.0
2.5°	542.6	542.6	540.7	541.3	541.8
5°	544.2	544.0	542.1	542.3	543.7
7.5°	546.1	546.1	544.2	544.2	546.1
10°	549.1	548.6	546.7	547.2	548.6
12.5°	552.9	551.8	549.9	550.4	552.1
15°	557.2	556.1	553.7	554.2	555.6
17.5°	562.9	561.3	557.8	557.8	558.6
20°	569.1	566.4	562.1	559.9	560.7
22.5°	575.9	572.4	565.3	561.5	561.8
25°	582.6	578.3	568.6	562.3	561.3
27.5°	589.9	583.7	570.5	561.8	559.6
30°	596.4	588.6	570.7	558.8	555.0
32.5°	602.1	591.8	568.8	553.2	548.3
35°	605.9	593.2	564.2	544.5	538.5
37.5°	607.0	591.6	556.7	532.6	524.8
40°	604.5	586.4	545.6	516.9	508.3
42.5°	597.2	577.2	529.9	498.0	487.7
45°	585.3	563.2	510.7	476.1	465.0
47.5°	568.8	543.7	488.2	450.9	439.3
50°	546.4	519.9	461.7	423.6	412.0
52.5°	518.5	490.9	432.2	394.6	382.2
55°	486.3	458.5	400.6	363.3	352.2
57.5°	448.7	423.0	367.3	331.9	321.3
60°	409.8	385.4	333.2	300.5	291.0
62.5°	368.7	346.5	298.9	269.4	261.3
65°	326.2	306.5	264.5	240.5	232.6
67.5°	283.7	268.6	231.8	210.4	206.1
70°	241.5	230.2	200.4	186.4	181.0
72.5°	201.5	195.6	170.7	161.2	153.9
75°	164.5	162.3	146.1	134.4	132.3
77.5°	130.9	134.2	120.1	111.7	109.8
80°	100.9	104.1	95.2	88.2	85.7
82.5°	73.6	77.9	69.0	67.4	64.9
85°	48.7	50.0	45.7	46.3	43.0
87.5°	23.8	26.5	24.1	24.9	23.3
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	15.5	17.2	15.9	17.5	17.8	13.7	15.4	14.1	15.7	16.0
	3H	17.3	18.8	17.6	19.1	19.5	15.4	17.0	15.8	17.3	17.6
	4H	17.9	19.3	18.3	19.7	20.1	16.1	17.6	16.5	17.9	18.3
	6H	18.4	19.7	18.8	20.1	20.5	16.7	18.0	17.1	18.4	18.8
	8H	18.6	19.8	19.0	20.2	20.6	16.9	18.2	17.3	18.6	19.0
	12H	18.7	19.9	19.1	20.3	20.7	17.1	18.3	17.5	18.7	19.1
4H	2H	15.9	17.4	16.3	17.7	18.1	14.5	15.9	14.9	16.3	16.6
	3H	17.9	19.1	18.3	19.5	19.9	16.4	17.6	16.8	18.0	18.4
	4H	18.7	19.8	19.1	20.2	20.7	17.2	18.3	17.7	18.7	19.2
	6H	19.4	20.3	19.8	20.8	21.2	17.9	18.9	18.4	19.3	19.8
	8H	19.6	20.5	20.1	21.0	21.4	18.2	19.1	18.7	19.6	20.0
	12H	19.8	20.6	20.3	21.1	21.6	18.4	19.3	18.9	19.7	20.2
8H	4H	19.0	19.9	19.4	20.3	20.8	17.7	18.6	18.1	19.0	19.5
	6H	19.8	20.5	20.3	21.0	21.5	18.5	19.3	19.0	19.8	20.2
	8H	20.1	20.8	20.6	21.3	21.8	18.9	19.6	19.4	20.1	20.5
	12H	20.4	21.0	20.9	21.5	22.0	19.2	19.8	19.7	20.3	20.9
12H	4H	19.0	19.8	19.5	20.3	20.8	17.7	18.5	18.2	19.0	19.5
	6H	19.8	20.5	20.3	21.0	21.5	18.6	19.3	19.1	19.8	20.3
	8H	20.2	20.8	20.7	21.3	21.9	19.0	19.7	19.6	20.1	20.7













(END OF REPORT)