

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: P1584160

Luminaire Tested: 14CGSB-30-F125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584160
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-30-F125-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

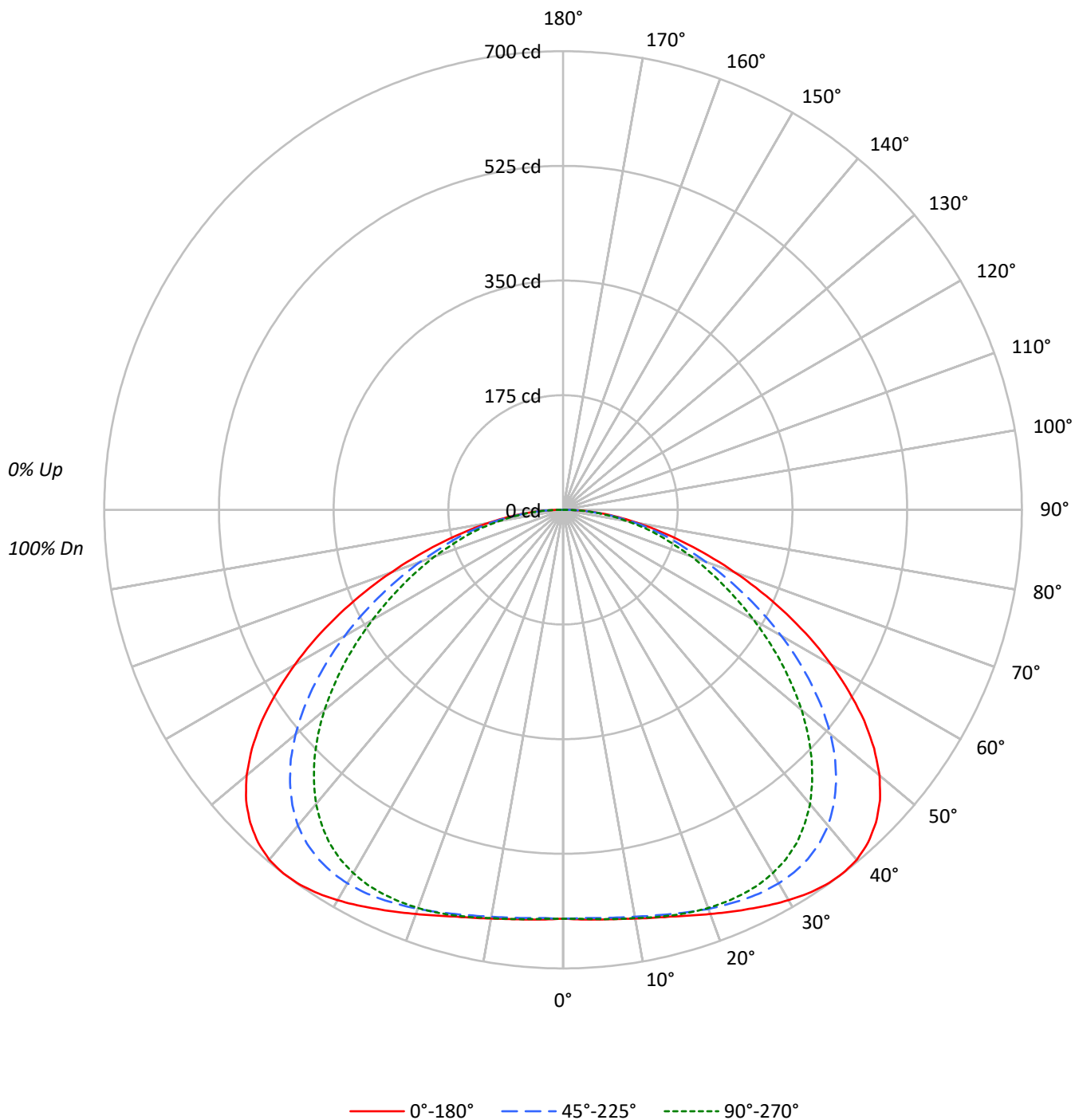
Lumens per Lamp: N/A
Luminaire Lumens: 2391.3 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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

TEST NUMBER: P1584160

CATALOG NUMBER: 14CGSB-30-F125-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1584160

CATALOG NUMBER: 14CGSB-30-F125-L930

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°	1679	1679	1679
5°	1696	1689	1694
10°	1731	1723	1729
15°	1791	1779	1785
20°	1880	1857	1852
25°	1996	1947	1922
30°	2138	2046	1989
35°	2296	2138	2041
40°	2449	2211	2060
45°	2570	2242	2041
50°	2638	2230	1989
55°	2632	2168	1906
60°	2544	2069	1807
65°	2396	1943	1708
70°	2192	1819	1642
75°	1972	1752	1587
80°	1804	1702	1533
85°	1735	1627	1531

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2644 cd/sqm

TEST NUMBER: P1584160

CATALOG NUMBER: 14CGSB-30-F125-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	2.5
10°-20°	181.8	7.6
20°-30°	304.3	12.7
30°-40°	410.0	17.1
40°-50°	459.9	19.2
50°-60°	422.0	17.6
60°-70°	312.1	13.1
70°-80°	181.6	7.6
80°-90°	59.7	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°	546.1	22.8
0°-40°	956.1	40.0
0°-60°	1837.9	76.9
0°-90°	2391.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	628	627	625	626	627	60
15°	643	642	639	639	641	183
25°	672	667	656	649	647	312
35°	699	684	651	628	621	438
45°	675	650	589	549	536	519
55°	561	529	462	419	406	498
65°	376	354	305	277	268	372
75°	190	187	168	155	153	203
85°	56	58	53	53	50	62
90°	0	0	0	0	0	

TEST NUMBER: P1584160

CATALOG NUMBER: 14CGSB-30-F125-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.0	624.0	624.0	624.0	624.0
2.5°	625.9	625.9	623.7	624.3	624.9
5°	627.7	627.4	625.3	625.6	627.1
7.5°	629.9	629.9	627.7	627.7	629.9
10°	633.4	632.7	630.6	631.2	632.7
12.5°	637.7	636.5	634.3	634.9	636.8
15°	642.7	641.5	638.7	639.3	640.9
17.5°	649.3	647.4	643.3	643.3	644.3
20°	656.5	653.3	648.3	645.8	646.8
22.5°	664.3	660.2	652.1	647.7	648.0
25°	672.1	667.1	655.8	648.7	647.4
27.5°	680.5	673.3	658.0	648.0	645.5
30°	688.0	678.9	658.3	644.6	640.2
32.5°	694.5	682.7	656.1	638.0	632.4
35°	698.9	684.2	650.8	628.1	621.2
37.5°	700.1	682.4	642.1	614.3	605.3
40°	697.3	676.4	629.3	596.2	586.3
42.5°	688.9	665.8	611.2	574.4	562.5
45°	675.2	649.6	589.1	549.1	536.3
47.5°	656.1	627.1	563.2	520.1	506.7
50°	630.2	599.7	532.6	488.6	475.2
52.5°	598.1	566.3	498.6	455.2	440.9
55°	561.0	528.8	462.1	419.0	406.2
57.5°	517.6	488.0	423.7	382.8	370.7
60°	472.7	444.6	384.4	346.6	335.7
62.5°	425.3	399.7	344.8	310.8	301.4
65°	376.3	353.5	305.1	277.4	268.3
67.5°	327.3	309.8	267.4	242.7	237.7
70°	278.6	265.5	231.2	215.0	208.7
72.5°	232.4	225.6	196.9	186.0	177.5
75°	189.7	187.2	168.5	155.1	152.6
77.5°	151.0	154.8	138.5	128.9	126.7
80°	116.4	120.1	109.8	101.7	98.9
82.5°	84.9	89.9	79.6	77.7	74.9
85°	56.2	57.7	52.7	53.4	49.6
87.5°	27.5	30.6	27.8	28.7	26.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584160

CATALOG NUMBER: 14CGSB-30-F125-L930

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	16.0	17.7	16.4	18.0	18.3	14.2	15.9	14.6	16.2	16.5
	3H	17.8	19.3	18.1	19.6	20.0	15.9	17.5	16.3	17.8	18.1
	4H	18.4	19.8	18.8	20.2	20.6	16.6	18.1	17.0	18.4	18.8
	6H	18.9	20.2	19.3	20.6	21.0	17.2	18.5	17.6	18.9	19.3
	8H	19.1	20.3	19.5	20.7	21.1	17.4	18.7	17.8	19.1	19.5
	12H	19.2	20.4	19.6	20.8	21.2	17.6	18.8	18.0	19.2	19.6
4H	2H	16.4	17.9	16.8	18.2	18.6	15.0	16.4	15.4	16.8	17.1
	3H	18.4	19.6	18.8	20.0	20.4	16.9	18.1	17.3	18.5	18.9
	4H	19.2	20.3	19.6	20.7	21.2	17.7	18.8	18.2	19.2	19.7
	6H	19.9	20.8	20.3	21.3	21.7	18.4	19.4	18.9	19.8	20.3
	8H	20.1	21.0	20.6	21.5	21.9	18.7	19.6	19.2	20.1	20.5
	12H	20.3	21.1	20.8	21.6	22.1	18.9	19.8	19.4	20.2	20.7
8H	4H	19.5	20.4	19.9	20.8	21.3	18.1	19.1	18.6	19.5	20.0
	6H	20.3	21.0	20.8	21.5	22.0	19.0	19.8	19.5	20.2	20.7
	8H	20.6	21.3	21.1	21.8	22.3	19.4	20.1	19.9	20.6	21.0
	12H	20.9	21.5	21.4	22.0	22.5	19.7	20.3	20.2	20.8	21.4
12H	4H	19.5	20.3	20.0	20.8	21.3	18.2	19.0	18.7	19.5	20.0
	6H	20.3	21.0	20.8	21.5	22.0	19.1	19.8	19.6	20.3	20.8
	8H	20.7	21.3	21.2	21.8	22.4	19.5	20.2	20.0	20.6	21.2













(END OF REPORT)