

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: P1584150

Luminaire Tested: 14CGSB-25-F125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584150
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

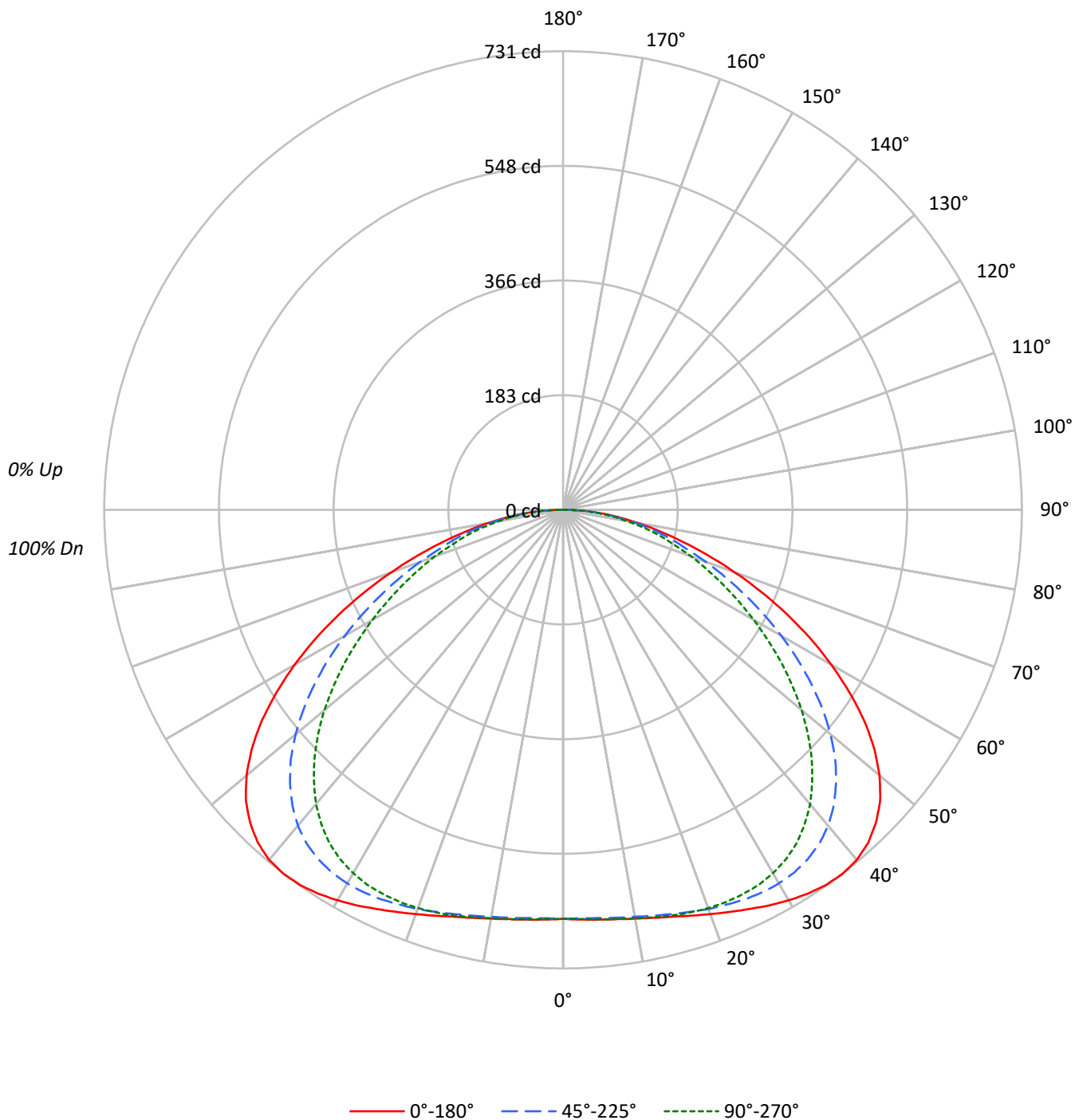
Lumens per Lamp: N/A
Luminaire Lumens: 2497.7 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1584150

CATALOG NUMBER: 14CGSB-25-F125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1584150

CATALOG NUMBER: 14CGSB-25-F125-L835

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°	1754	1754	1754
5°	1771	1764	1769
10°	1808	1800	1806
15°	1870	1858	1865
20°	1964	1939	1935
25°	2084	2034	2008
30°	2233	2137	2078
35°	2398	2233	2132
40°	2559	2309	2151
45°	2684	2342	2132
50°	2756	2329	2078
55°	2749	2264	1991
60°	2657	2161	1887
65°	2502	2029	1785
70°	2290	1900	1715
75°	2060	1830	1657
80°	1884	1777	1601
85°	1812	1701	1599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2761 cd/sqm



TEST NUMBER: P1584150

CATALOG NUMBER: 14CGSB-25-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	2.5
10°-20°	189.9	7.6
20°-30°	317.8	12.7
30°-40°	428.2	17.1
40°-50°	480.3	19.2
50°-60°	440.8	17.6
60°-70°	326.0	13.1
70°-80°	189.6	7.6
80°-90°	62.4	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°	570.4	22.8
0°-40°	998.6	40.0
0°-60°	1919.7	76.9
0°-90°	2497.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2497.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	656	655	653	653	655	63
15°	671	670	667	668	669	191
25°	702	697	685	678	676	325
35°	730	715	680	656	649	457
45°	705	678	615	574	560	542
55°	586	552	483	438	424	521
65°	393	369	319	290	280	389
75°	198	196	176	162	159	212
85°	59	60	55	56	52	64
90°	0	0	0	0	0	

TEST NUMBER: P1584150

CATALOG NUMBER: 14CGSB-25-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	651.8	651.8	651.8	651.8	651.8
2.5°	653.7	653.7	651.5	652.1	652.8
5°	655.7	655.4	653.1	653.4	655.0
7.5°	658.0	658.0	655.7	655.7	658.0
10°	661.6	660.9	658.6	659.3	660.9
12.5°	666.1	664.8	662.5	663.2	665.1
15°	671.3	670.0	667.1	667.8	669.4
17.5°	678.2	676.2	672.0	672.0	673.0
20°	685.7	682.4	677.2	674.6	675.6
22.5°	693.8	689.6	681.1	676.6	676.9
25°	702.0	696.8	685.0	677.5	676.2
27.5°	710.8	703.3	687.3	676.9	674.3
30°	718.6	709.1	687.6	673.3	668.7
32.5°	725.4	713.1	685.4	666.4	660.6
35°	730.0	714.7	679.8	656.0	648.9
37.5°	731.3	712.7	670.7	641.7	632.2
40°	728.4	706.5	657.3	622.8	612.4
42.5°	719.6	695.5	638.4	600.0	587.6
45°	705.2	678.5	615.3	573.6	560.2
47.5°	685.4	655.0	588.2	543.3	529.2
50°	658.3	626.4	556.3	510.3	496.3
52.5°	624.7	591.5	520.8	475.5	460.5
55°	586.0	552.4	482.6	437.7	424.3
57.5°	540.7	509.7	442.6	399.9	387.2
60°	493.7	464.4	401.5	362.1	350.7
62.5°	444.2	417.5	360.1	324.6	314.8
65°	393.0	369.2	318.7	289.7	280.3
67.5°	341.9	323.6	279.3	253.5	248.3
70°	291.0	277.3	241.5	224.5	218.0
72.5°	242.8	235.6	205.6	194.2	185.4
75°	198.1	195.5	176.0	162.0	159.4
77.5°	157.7	161.6	144.7	134.6	132.3
80°	121.6	125.5	114.7	106.2	103.3
82.5°	88.6	93.9	83.1	81.1	78.2
85°	58.7	60.3	55.1	55.7	51.8
87.5°	28.7	31.9	29.0	30.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584150

CATALOG NUMBER: 14CGSB-25-F125-L835

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	16.2	17.9	16.5	18.2	18.5	14.3	16.0	14.7	16.4	16.7
	3H	17.9	19.4	18.3	19.8	20.1	16.1	17.6	16.4	17.9	18.3
	4H	18.5	20.0	18.9	20.3	20.7	16.8	18.2	17.2	18.6	18.9
	6H	19.0	20.4	19.4	20.7	21.1	17.3	18.7	17.8	19.1	19.4
	8H	19.2	20.5	19.6	20.9	21.3	17.6	18.9	18.0	19.2	19.6
	12H	19.3	20.6	19.8	21.0	21.4	17.7	19.0	18.2	19.4	19.8
4H	2H	16.6	18.0	17.0	18.4	18.7	15.1	16.6	15.5	16.9	17.3
	3H	18.6	19.8	19.0	20.2	20.6	17.1	18.3	17.5	18.7	19.1
	4H	19.4	20.5	19.8	20.9	21.3	17.9	19.0	18.3	19.4	19.8
	6H	20.0	21.0	20.5	21.4	21.9	18.6	19.6	19.0	20.0	20.4
	8H	20.3	21.2	20.7	21.6	22.1	18.9	19.8	19.3	20.2	20.7
	12H	20.5	21.3	20.9	21.8	22.2	19.1	19.9	19.6	20.4	20.9
8H	4H	19.6	20.5	20.1	21.0	21.4	18.3	19.2	18.8	19.6	20.1
	6H	20.4	21.2	20.9	21.7	22.1	19.2	19.9	19.6	20.4	20.9
	8H	20.7	21.4	21.3	21.9	22.4	19.5	20.2	20.0	20.7	21.2
	12H	21.0	21.6	21.5	22.1	22.7	19.9	20.5	20.4	21.0	21.5
12H	4H	19.6	20.5	20.1	20.9	21.4	18.4	19.2	18.8	19.7	20.1
	6H	20.5	21.2	21.0	21.6	22.2	19.3	20.0	19.8	20.4	21.0
	8H	20.9	21.5	21.4	22.0	22.5	19.7	20.3	20.2	20.8	21.4















(END OF REPORT)