

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: P1584156

Luminaire Tested: 14CGSB-30-F125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584156
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-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

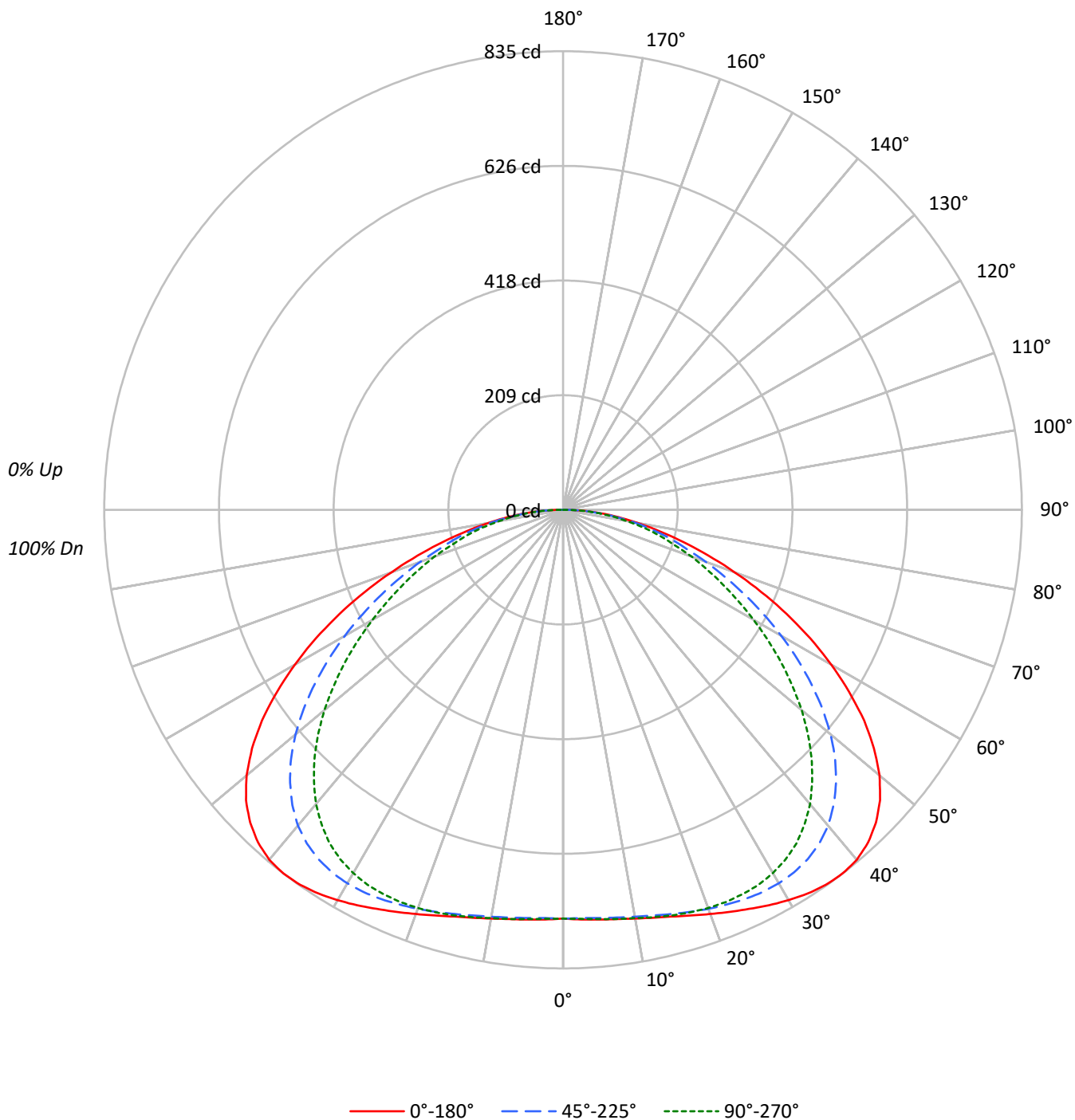
Lumens per Lamp: N/A
Luminaire Lumens: 2852.3 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	2003	2003	2003
5°	2023	2015	2021
10°	2064	2055	2062
15°	2136	2122	2130
20°	2242	2214	2209
25°	2380	2323	2293
30°	2550	2440	2373
35°	2738	2550	2434
40°	2922	2637	2457
45°	3065	2674	2434
50°	3147	2660	2373
55°	3139	2586	2273
60°	3034	2468	2155
65°	2858	2318	2038
70°	2615	2170	1959
75°	2353	2090	1892
80°	2151	2030	1829
85°	2069	1942	1828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 3154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	2.5
10°-20°	216.9	7.6
20°-30°	362.9	12.7
30°-40°	489.0	17.1
40°-50°	548.5	19.2
50°-60°	503.3	17.6
60°-70°	372.3	13.1
70°-80°	216.6	7.6
80°-90°	71.2	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°	651.4	22.8
0°-40°	1140.4	40.0
0°-60°	2192.2	76.9
0°-90°	2852.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2852.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	749	748	746	746	748	72
15°	767	765	762	762	764	218
25°	802	796	782	774	772	372
35°	834	816	776	749	741	522
45°	805	775	703	655	640	619
55°	669	631	551	500	484	594
65°	449	422	364	331	320	444
75°	226	223	201	185	182	242
85°	67	69	63	64	59	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.3	744.3	744.3	744.3	744.3
2.5°	746.5	746.5	743.9	744.7	745.4
5°	748.8	748.4	745.8	746.2	748.0
7.5°	751.4	751.4	748.8	748.8	751.4
10°	755.5	754.7	752.1	752.9	754.7
12.5°	760.7	759.2	756.6	757.3	759.6
15°	766.6	765.1	761.8	762.5	764.4
17.5°	774.4	772.2	767.4	767.4	768.5
20°	783.0	779.3	773.3	770.3	771.5
22.5°	792.3	787.5	777.8	772.6	773.0
25°	801.6	795.7	782.3	773.7	772.2
27.5°	811.7	803.1	784.9	773.0	770.0
30°	820.6	809.8	785.2	768.9	763.6
32.5°	828.4	814.3	782.6	761.0	754.3
35°	833.6	816.1	776.3	749.1	740.9
37.5°	835.1	813.9	765.9	732.8	722.0
40°	831.8	806.8	750.6	711.2	699.3
42.5°	821.7	794.2	729.0	685.1	671.0
45°	805.3	774.8	702.6	655.0	639.7
47.5°	782.6	748.0	671.7	620.4	604.4
50°	751.7	715.3	635.3	582.8	566.8
52.5°	713.4	675.4	594.7	543.0	525.8
55°	669.1	630.8	551.2	499.8	484.5
57.5°	617.4	582.0	505.4	456.6	442.1
60°	563.8	530.3	458.5	413.5	400.4
62.5°	507.2	476.7	411.2	370.7	359.5
65°	448.8	421.6	364.0	330.8	320.0
67.5°	390.4	369.5	318.9	289.5	283.6
70°	332.3	316.7	275.8	256.4	249.0
72.5°	277.3	269.1	234.8	221.8	211.8
75°	226.3	223.3	201.0	185.0	182.0
77.5°	180.1	184.6	165.2	153.7	151.1
80°	138.8	143.3	131.0	121.3	118.0
82.5°	101.2	107.2	94.9	92.7	89.3
85°	67.0	68.8	62.9	63.6	59.2
87.5°	32.7	36.5	33.1	34.2	32.0
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	16.6	18.3	17.0	18.6	18.9	14.8	16.5	15.2	16.8	17.1
	3H	18.4	19.9	18.7	20.2	20.6	16.5	18.1	16.9	18.4	18.8
	4H	19.0	20.5	19.4	20.8	21.2	17.2	18.7	17.6	19.0	19.4
	6H	19.5	20.8	19.9	21.2	21.6	17.8	19.2	18.2	19.5	19.9
	8H	19.7	21.0	20.1	21.3	21.7	18.0	19.3	18.4	19.7	20.1
	12H	19.8	21.0	20.2	21.4	21.8	18.2	19.4	18.6	19.8	20.2
4H	2H	17.0	18.5	17.4	18.8	19.2	15.6	17.0	16.0	17.4	17.8
	3H	19.0	20.2	19.4	20.6	21.0	17.5	18.7	17.9	19.1	19.5
	4H	19.8	20.9	20.3	21.3	21.8	18.3	19.4	18.8	19.9	20.3
	6H	20.5	21.5	20.9	21.9	22.3	19.0	20.0	19.5	20.5	20.9
	8H	20.7	21.6	21.2	22.1	22.5	19.3	20.2	19.8	20.7	21.1
	12H	20.9	21.7	21.4	22.2	22.7	19.6	20.4	20.0	20.9	21.3
8H	4H	20.1	21.0	20.5	21.4	21.9	18.8	19.7	19.2	20.1	20.6
	6H	20.9	21.6	21.4	22.1	22.6	19.6	20.4	20.1	20.9	21.3
	8H	21.2	21.9	21.7	22.4	22.9	20.0	20.7	20.5	21.2	21.7
	12H	21.5	22.1	22.0	22.6	23.2	20.3	20.9	20.8	21.4	22.0
12H	4H	20.1	20.9	20.6	21.4	21.9	18.8	19.7	19.3	20.1	20.6
	6H	20.9	21.6	21.5	22.1	22.6	19.7	20.4	20.2	20.9	21.4
	8H	21.3	21.9	21.8	22.4	23.0	20.2	20.8	20.7	21.3	21.8















(END OF REPORT)