

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: P1584158

Luminaire Tested: 14CGSB-30-F125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584158
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

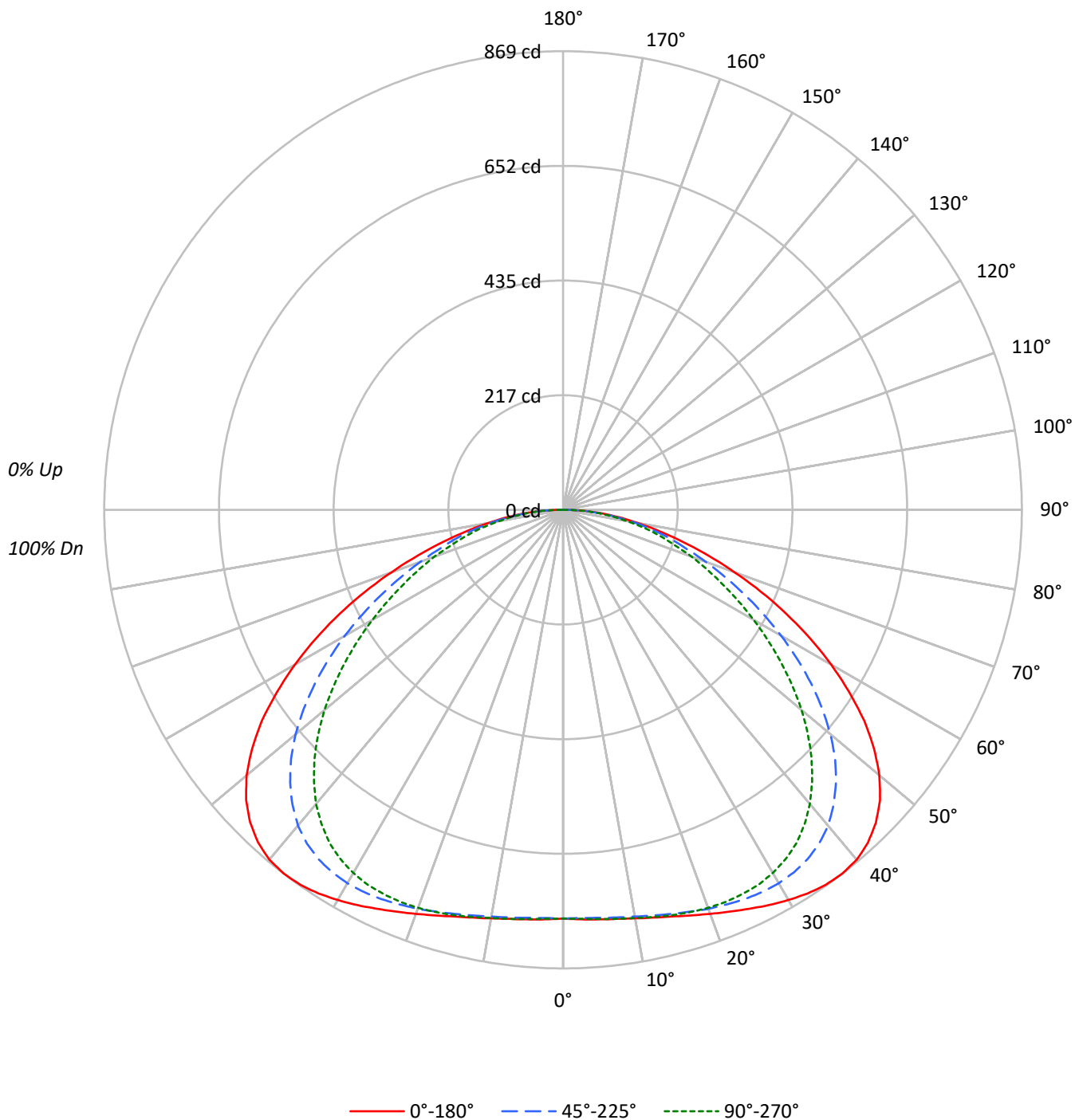
Lumens per Lamp: N/A
Luminaire Lumens: 2967.5 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				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°	2084	2084	2084
5°	2104	2096	2102
10°	2148	2138	2146
15°	2222	2208	2216
20°	2333	2304	2298
25°	2476	2417	2385
30°	2653	2539	2469
35°	2849	2653	2532
40°	3040	2744	2556
45°	3189	2782	2533
50°	3274	2767	2469
55°	3266	2690	2365
60°	3157	2567	2242
65°	2973	2411	2120
70°	2721	2257	2038
75°	2447	2174	1968
80°	2238	2112	1901
85°	2152	2019	1902

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	2.5
10°-20°	225.6	7.6
20°-30°	377.6	12.7
30°-40°	508.8	17.1
40°-50°	570.7	19.2
50°-60°	523.7	17.6
60°-70°	387.3	13.1
70°-80°	225.3	7.6
80°-90°	74.1	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°	677.7	22.8
0°-40°	1186.4	40.0
0°-60°	2280.8	76.9
0°-90°	2967.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2967.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	779	779	776	776	778	75
15°	798	796	793	793	795	227
25°	834	828	814	805	803	387
35°	867	849	808	779	771	543
45°	838	806	731	681	666	644
55°	696	656	573	520	504	618
65°	467	439	379	344	333	462
75°	235	232	209	192	189	252
85°	70	72	65	66	62	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	774.4	774.4	774.4	774.4	774.4
2.5°	776.7	776.7	774.0	774.8	775.5
5°	779.0	778.6	775.9	776.3	778.2
7.5°	781.7	781.7	779.0	779.0	781.7
10°	786.0	785.2	782.5	783.3	785.2
12.5°	791.4	789.9	787.1	787.9	790.2
15°	797.6	796.1	792.6	793.3	795.3
17.5°	805.7	803.4	798.4	798.4	799.5
20°	814.6	810.8	804.6	801.5	802.6
22.5°	824.3	819.3	809.2	803.8	804.2
25°	834.0	827.8	813.9	805.0	803.4
27.5°	844.4	835.5	816.6	804.2	801.1
30°	853.7	842.5	817.0	799.9	794.5
32.5°	861.9	847.2	814.2	791.8	784.8
35°	867.3	849.1	807.7	779.4	770.9
37.5°	868.8	846.8	796.8	762.4	751.1
40°	865.4	839.4	781.0	739.9	727.5
42.5°	854.9	826.3	758.5	712.8	698.1
45°	837.9	806.1	731.0	681.4	665.6
47.5°	814.2	778.2	698.9	645.4	628.8
50°	782.1	744.2	660.9	606.3	589.7
52.5°	742.2	702.7	618.7	564.9	547.1
55°	696.2	656.3	573.4	520.0	504.1
57.5°	642.3	605.6	525.8	475.1	460.0
60°	586.6	551.7	477.0	430.2	416.6
62.5°	527.7	496.0	427.8	385.6	374.0
65°	466.9	438.7	378.7	344.2	333.0
67.5°	406.2	384.5	331.8	301.2	295.0
70°	345.8	329.5	286.9	266.8	259.0
72.5°	288.5	279.9	244.3	230.8	220.3
75°	235.4	232.3	209.1	192.4	189.3
77.5°	187.4	192.0	171.9	159.9	157.2
80°	144.4	149.1	136.3	126.2	122.7
82.5°	105.3	111.5	98.7	96.4	92.9
85°	69.7	71.6	65.4	66.2	61.6
87.5°	34.1	37.9	34.5	35.6	33.3
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	16.8	18.5	17.1	18.8	19.1	14.9	16.6	15.3	17.0	17.3
	3H	18.5	20.0	18.9	20.4	20.7	16.7	18.2	17.0	18.5	18.9
	4H	19.1	20.6	19.5	20.9	21.3	17.4	18.8	17.8	19.2	19.5
	6H	19.6	21.0	20.0	21.3	21.7	17.9	19.3	18.4	19.7	20.0
	8H	19.8	21.1	20.2	21.5	21.9	18.2	19.5	18.6	19.8	20.2
	12H	19.9	21.2	20.4	21.6	22.0	18.3	19.6	18.8	20.0	20.4
4H	2H	17.2	18.6	17.6	19.0	19.3	15.7	17.2	16.1	17.5	17.9
	3H	19.2	20.4	19.6	20.8	21.2	17.7	18.9	18.1	19.3	19.7
	4H	20.0	21.1	20.4	21.5	21.9	18.5	19.6	18.9	20.0	20.4
	6H	20.6	21.6	21.1	22.0	22.5	19.2	20.2	19.6	20.6	21.0
	8H	20.9	21.8	21.3	22.2	22.7	19.5	20.4	19.9	20.8	21.3
	12H	21.1	21.9	21.5	22.3	22.8	19.7	20.5	20.2	21.0	21.5
8H	4H	20.2	21.1	20.7	21.6	22.0	18.9	19.8	19.4	20.2	20.7
	6H	21.0	21.8	21.5	22.3	22.7	19.8	20.5	20.2	21.0	21.5
	8H	21.3	22.0	21.9	22.5	23.0	20.1	20.8	20.6	21.3	21.8
	12H	21.6	22.2	22.1	22.7	23.3	20.5	21.1	21.0	21.5	22.1
12H	4H	20.2	21.1	20.7	21.5	22.0	19.0	19.8	19.4	20.3	20.7
	6H	21.1	21.8	21.6	22.2	22.8	19.9	20.6	20.4	21.0	21.6
	8H	21.5	22.1	22.0	22.6	23.1	20.3	20.9	20.8	21.4	21.9















(END OF REPORT)