

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: P1584163

Luminaire Tested: 14CGSB-35-F125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584163
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-35-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

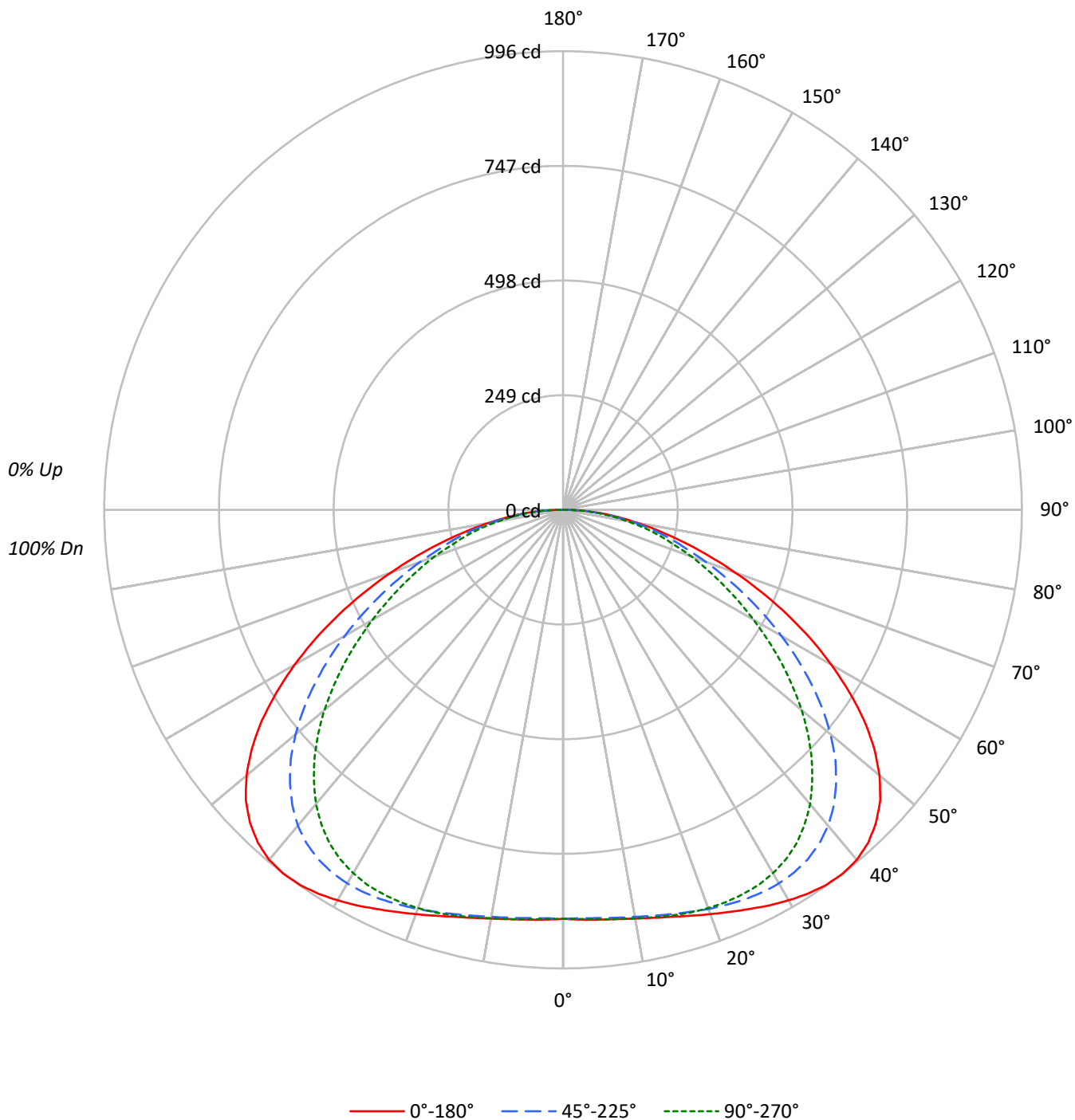
Lumens per Lamp: N/A
Luminaire Lumens: 3403.3 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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°	2390	2390	2390
5°	2413	2404	2411
10°	2463	2452	2461
15°	2548	2532	2541
20°	2676	2642	2636
25°	2840	2771	2736
30°	3042	2911	2831
35°	3268	3043	2904
40°	3486	3146	2931
45°	3657	3191	2905
50°	3755	3173	2831
55°	3746	3085	2712
60°	3620	2944	2571
65°	3410	2765	2432
70°	3120	2589	2338
75°	2807	2493	2257
80°	2566	2422	2182
85°	2467	2316	2180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3763 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	2.5
10°-20°	258.8	7.6
20°-30°	433.1	12.7
30°-40°	583.5	17.1
40°-50°	654.5	19.2
50°-60°	600.6	17.6
60°-70°	444.2	13.1
70°-80°	258.4	7.6
80°-90°	85.0	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°	777.2	22.8
0°-40°	1360.7	40.0
0°-60°	2615.7	76.9
0°-90°	3403.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3403.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	893	893	890	890	892	86
15°	915	913	909	910	912	260
25°	956	949	933	923	921	443
35°	995	974	926	894	884	623
45°	961	924	838	782	763	739
55°	798	753	658	596	578	709
65°	536	503	434	395	382	530
75°	270	266	240	221	217	289
85°	80	82	75	76	71	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	888.1	888.1	888.1	888.1	888.1
2.5°	890.8	890.8	887.6	888.5	889.4
5°	893.4	893.0	889.9	890.3	892.5
7.5°	896.5	896.5	893.4	893.4	896.5
10°	901.4	900.5	897.4	898.3	900.5
12.5°	907.6	905.9	902.7	903.6	906.3
15°	914.7	913.0	909.0	909.8	912.1
17.5°	924.1	921.4	915.6	915.6	917.0
20°	934.3	929.8	922.7	919.2	920.5
22.5°	945.4	939.6	928.1	921.8	922.3
25°	956.5	949.4	933.4	923.2	921.4
27.5°	968.5	958.2	936.5	922.3	918.7
30°	979.1	966.2	936.9	917.4	911.2
32.5°	988.4	971.6	933.8	908.1	900.1
35°	994.7	973.8	926.3	893.9	884.1
37.5°	996.4	971.1	913.8	874.3	861.4
40°	992.4	962.7	895.6	848.6	834.4
42.5°	980.5	947.6	869.9	817.5	800.6
45°	960.9	924.5	838.4	781.5	763.3
47.5°	933.8	892.5	801.5	740.2	721.1
50°	897.0	853.5	758.0	695.4	676.3
52.5°	851.2	805.9	709.6	647.9	627.4
55°	798.4	752.7	657.6	596.4	578.1
57.5°	736.7	694.5	603.0	544.8	527.5
60°	672.7	632.8	547.1	493.3	477.8
62.5°	605.2	568.8	490.7	442.3	428.9
65°	535.5	503.1	434.3	394.8	381.9
67.5°	465.8	440.9	380.5	345.5	338.4
70°	396.5	377.9	329.0	305.9	297.1
72.5°	330.8	321.0	280.2	264.7	252.7
75°	270.0	266.4	239.8	220.7	217.1
77.5°	214.9	220.2	197.2	183.4	180.3
80°	165.6	171.0	156.3	144.8	140.8
82.5°	120.8	127.9	113.2	110.6	106.6
85°	79.9	82.1	75.0	75.9	70.6
87.5°	39.1	43.5	39.5	40.9	38.2
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	17.2	18.9	17.6	19.2	19.6	15.4	17.1	15.8	17.4	17.8
	3H	19.0	20.5	19.4	20.8	21.2	17.1	18.7	17.5	19.0	19.4
	4H	19.6	21.1	20.0	21.4	21.8	17.8	19.3	18.2	19.6	20.0
	6H	20.1	21.5	20.5	21.8	22.2	18.4	19.8	18.8	20.1	20.5
	8H	20.3	21.6	20.7	22.0	22.4	18.6	19.9	19.1	20.3	20.7
	12H	20.4	21.7	20.8	22.0	22.5	18.8	20.1	19.2	20.4	20.9
4H	2H	17.6	19.1	18.0	19.4	19.8	16.2	17.6	16.6	18.0	18.4
	3H	19.6	20.9	20.0	21.3	21.7	18.1	19.4	18.5	19.7	20.1
	4H	20.4	21.5	20.9	22.0	22.4	18.9	20.1	19.4	20.5	20.9
	6H	21.1	22.1	21.5	22.5	23.0	19.7	20.6	20.1	21.1	21.5
	8H	21.3	22.2	21.8	22.7	23.2	19.9	20.8	20.4	21.3	21.8
	12H	21.5	22.4	22.0	22.8	23.3	20.2	21.0	20.6	21.5	21.9
8H	4H	20.7	21.6	21.1	22.0	22.5	19.4	20.3	19.8	20.7	21.2
	6H	21.5	22.2	22.0	22.7	23.2	20.2	21.0	20.7	21.5	21.9
	8H	21.8	22.5	22.3	23.0	23.5	20.6	21.3	21.1	21.8	22.3
	12H	22.1	22.7	22.6	23.2	23.8	20.9	21.5	21.4	22.0	22.6
12H	4H	20.7	21.5	21.2	22.0	22.5	19.4	20.3	19.9	20.7	21.2
	6H	21.6	22.2	22.1	22.7	23.2	20.3	21.0	20.9	21.5	22.0
	8H	21.9	22.5	22.4	23.0	23.6	20.8	21.4	21.3	21.9	22.4















(END OF REPORT)