

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: P1527094

Luminaire Tested: 24CGTX-35-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-35-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

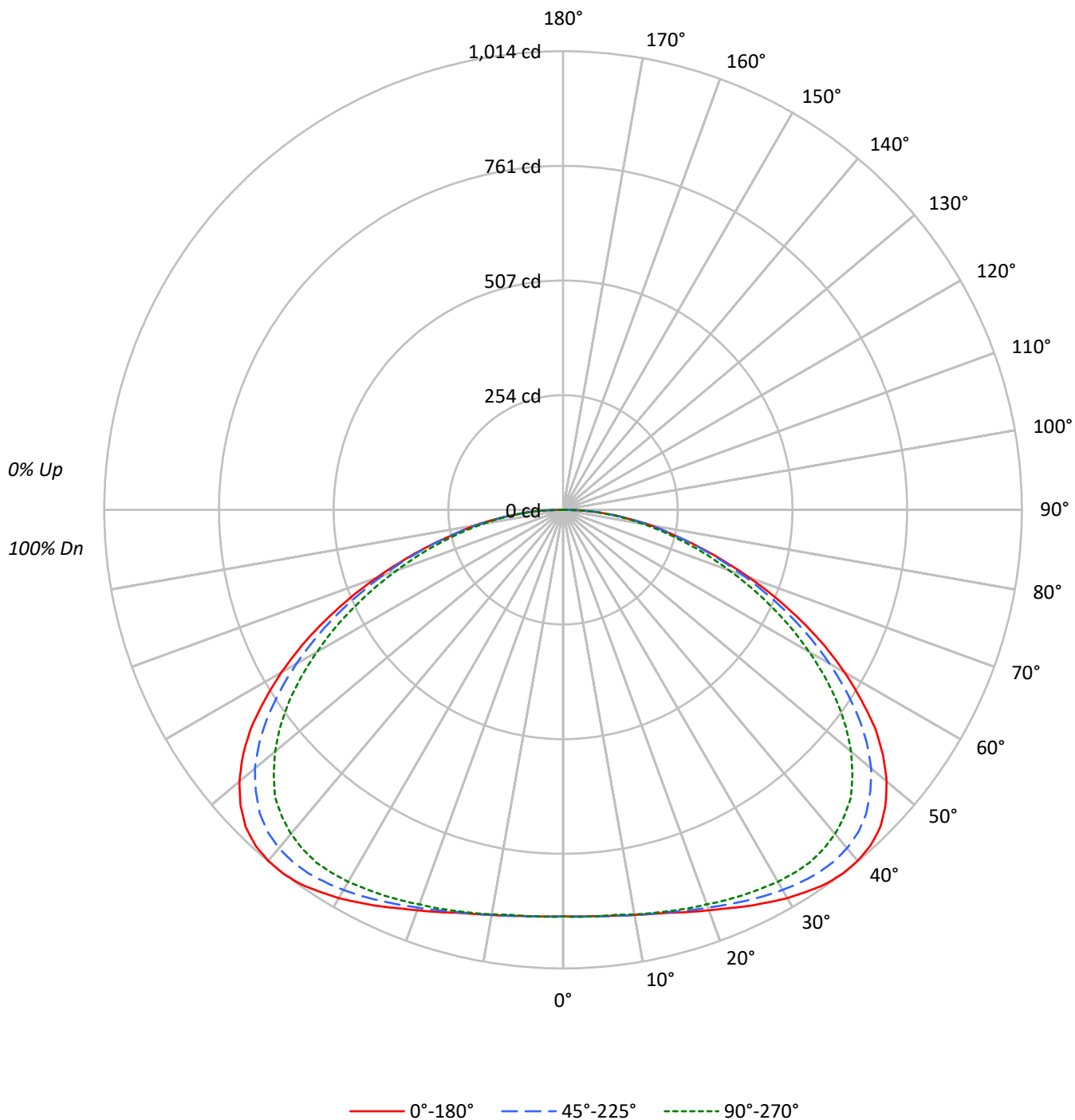
Lumens per Lamp: N/A
Luminaire Lumens: 3801.7 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88
2	97	88	81	74	94	86	79	74	83	77	72		79	74	70		76
3	88	76	68	61	85	75	67	60	72	65	59		69	63	58		66
4	80	67	57	50	77	66	57	50	63	55	49		61	54	48		58
5	73	59	50	43	71	58	49	42	56	48	42		54	47	41		52
6	67	53	43	36	65	52	43	36	50	42	36		48	41	36		47
7	62	47	38	32	60	47	38	32	45	37	31		44	36	31		42
8	57	43	34	28	56	42	34	28	41	33	28		40	33	27		38
9	53	39	31	25	52	39	30	25	37	30	25		36	29	24		35
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1210	1210	1210
5°	1218	1219	1218
10°	1243	1243	1241
15°	1285	1282	1279
20°	1349	1340	1329
25°	1435	1416	1396
30°	1540	1508	1475
35°	1660	1612	1563
40°	1779	1715	1643
45°	1887	1804	1712
50°	1954	1861	1739
55°	1975	1868	1734
60°	1934	1830	1690
65°	1851	1762	1623
70°	1724	1667	1536
75°	1579	1568	1455
80°	1531	1500	1392
85°	1423	1484	1392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1975 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	2.3
10°-20°	261.5	6.9
20°-30°	441.7	11.6
30°-40°	614.5	16.2
40°-50°	727.4	19.1
50°-60°	705.7	18.6
60°-70°	543.7	14.3
70°-80°	317.3	8.3
80°-90°	103.7	2.7
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°	789.6	20.8
0°-40°	1404.0	36.9
0°-60°	2837.1	74.6
0°-90°	3801.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3801.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	902	902	902	902	902	86
15°	922	922	920	918	918	262
25°	967	963	954	944	940	448
35°	1010	1002	981	961	951	633
45°	992	979	948	916	900	762
55°	842	827	796	759	739	747
65°	581	575	554	525	510	574
75°	304	311	302	288	280	325
85°	92	97	96	94	90	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	899.0	899.0	899.0	899.0	899.0
2.5°	899.7	900.3	900.3	900.3	900.3
5°	901.7	902.3	902.3	902.3	901.7
7.5°	905.0	905.0	905.6	905.0	903.0
10°	909.6	909.6	909.6	909.0	908.3
12.5°	914.9	915.6	914.3	913.6	912.9
15°	922.2	922.2	920.2	918.2	918.2
17.5°	932.2	930.8	928.2	924.9	923.6
20°	942.1	940.8	936.1	930.8	928.2
22.5°	953.4	950.7	944.8	937.5	934.8
25°	966.6	962.7	954.0	944.1	940.1
27.5°	978.6	973.3	962.7	951.4	944.8
30°	991.2	984.5	970.6	956.0	949.4
32.5°	1001.1	994.5	976.6	960.0	951.4
35°	1010.4	1001.8	981.2	960.7	951.4
37.5°	1014.4	1005.1	981.2	957.4	945.4
40°	1013.1	1003.1	976.6	949.4	935.5
42.5°	1006.4	994.5	966.0	935.5	919.6
45°	991.8	978.6	948.1	915.6	899.7
47.5°	966.6	953.4	920.9	886.4	867.2
50°	933.5	919.6	889.1	850.6	830.7
52.5°	891.7	877.8	846.0	806.9	787.6
55°	842.0	827.4	796.3	759.1	739.2
57.5°	781.0	770.4	739.9	704.8	685.5
60°	718.7	708.1	680.2	647.1	627.9
62.5°	651.7	643.1	617.9	586.7	570.2
65°	581.4	574.8	553.6	525.1	509.8
67.5°	509.8	507.2	488.0	463.4	450.2
70°	438.2	439.6	423.7	401.8	390.5
72.5°	368.6	373.3	360.7	342.8	334.8
75°	303.7	310.9	301.7	287.7	279.8
77.5°	243.3	253.3	245.3	234.7	228.1
80°	197.6	196.9	193.6	185.6	179.7
82.5°	141.9	144.5	142.5	137.9	134.6
85°	92.2	96.8	96.1	94.1	90.2
87.5°	45.7	51.1	51.7	50.4	48.4
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	15.1	16.8	15.4	17.1	17.4	14.4	16.1	14.7	16.4	16.7
	3H	16.9	18.4	17.2	18.8	19.1	16.2	17.8	16.5	18.1	18.4
	4H	17.5	19.0	17.9	19.4	19.7	16.9	18.4	17.3	18.7	19.1
	6H	18.1	19.5	18.5	19.8	20.2	17.4	18.8	17.8	19.2	19.6
	8H	18.3	19.6	18.7	20.0	20.4	17.6	18.9	18.0	19.3	19.7
	12H	18.4	19.7	18.8	20.1	20.5	17.8	19.1	18.2	19.4	19.9
4H	2H	15.6	17.1	16.0	17.5	17.9	15.1	16.6	15.5	17.0	17.3
	3H	17.7	19.0	18.1	19.4	19.8	17.1	18.4	17.5	18.8	19.2
	4H	18.5	19.7	18.9	20.1	20.5	17.9	19.1	18.4	19.5	19.9
	6H	19.2	20.2	19.6	20.6	21.1	18.6	19.6	19.1	20.1	20.5
	8H	19.4	20.4	19.9	20.8	21.3	18.9	19.8	19.4	20.3	20.7
	12H	19.7	20.5	20.1	21.0	21.4	19.1	20.0	19.6	20.4	20.9
8H	4H	18.8	19.8	19.3	20.2	20.7	18.3	19.3	18.8	19.7	20.2
	6H	19.7	20.4	20.1	20.9	21.4	19.2	20.0	19.7	20.4	20.9
	8H	20.0	20.7	20.5	21.2	21.7	19.5	20.2	20.0	20.7	21.2
	12H	20.3	20.9	20.8	21.4	22.0	19.8	20.5	20.3	21.0	21.5
12H	4H	18.9	19.7	19.4	20.2	20.7	18.4	19.2	18.9	19.7	20.2
	6H	19.7	20.5	20.3	20.9	21.4	19.3	20.0	19.8	20.4	21.0
	8H	20.1	20.8	20.6	21.3	21.8	19.7	20.3	20.2	20.8	21.4













(END OF REPORT)