

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: P1526958

Luminaire Tested: 14CGTX-20-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-20-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

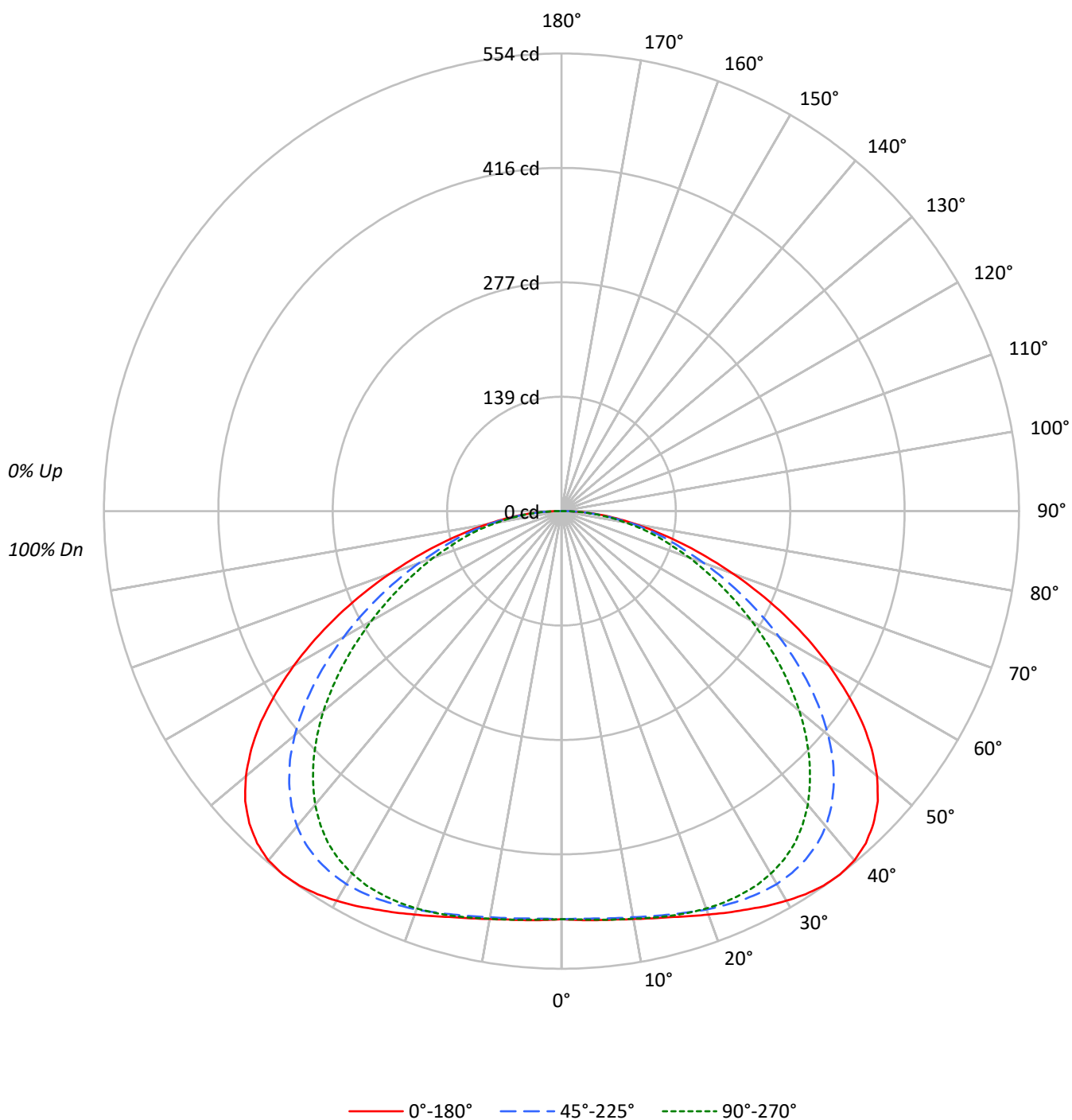
Lumens per Lamp: N/A
Luminaire Lumens: 1893.1 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1526958

CATALOG NUMBER: 14CGTX-20-F125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1526958

CATALOG NUMBER: 14CGTX-20-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°	1329	1329	1329
5°	1343	1337	1341
10°	1370	1364	1369
15°	1417	1409	1413
20°	1488	1470	1466
25°	1580	1542	1522
30°	1692	1620	1575
35°	1818	1692	1616
40°	1939	1750	1630
45°	2034	1775	1616
50°	2089	1765	1575
55°	2084	1716	1509
60°	2014	1638	1431
65°	1897	1538	1352
70°	1736	1440	1300
75°	1562	1387	1256
80°	1427	1347	1213
85°	1374	1288	1213

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2093 cd/sqm

TEST NUMBER: P1526958

CATALOG NUMBER: 14CGTX-20-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	2.5
10°-20°	143.9	7.6
20°-30°	240.9	12.7
30°-40°	324.6	17.1
40°-50°	364.1	19.2
50°-60°	334.1	17.6
60°-70°	247.1	13.1
70°-80°	143.7	7.6
80°-90°	47.3	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°	432.3	22.8
0°-40°	756.9	40.0
0°-60°	1455.0	76.9
0°-90°	1893.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1893.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	497	497	495	495	496	48
15°	509	508	506	506	507	145
25°	532	528	519	514	512	247
35°	553	542	515	497	492	347
45°	534	514	466	435	425	411
55°	444	419	366	332	322	395
65°	298	280	242	220	212	295
75°	150	148	133	123	121	161
85°	44	46	42	42	39	49
90°	0	0	0	0	0	

TEST NUMBER: P1526958

CATALOG NUMBER: 14CGTX-20-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	494.0	494.0	494.0	494.0	494.0
2.5°	495.5	495.5	493.7	494.2	494.7
5°	497.0	496.7	495.0	495.2	496.5
7.5°	498.7	498.7	497.0	497.0	498.7
10°	501.4	500.9	499.2	499.7	500.9
12.5°	504.9	503.9	502.1	502.6	504.1
15°	508.8	507.8	505.6	506.1	507.3
17.5°	514.0	512.5	509.3	509.3	510.0
20°	519.7	517.2	513.3	511.3	512.0
22.5°	525.9	522.6	516.2	512.8	513.0
25°	532.0	528.1	519.2	513.5	512.5
27.5°	538.7	533.0	520.9	513.0	511.0
30°	544.6	537.5	521.2	510.3	506.8
32.5°	549.8	540.4	519.4	505.1	500.7
35°	553.3	541.7	515.2	497.2	491.8
37.5°	554.3	540.2	508.3	486.3	479.2
40°	552.0	535.5	498.2	472.0	464.1
42.5°	545.4	527.1	483.9	454.7	445.3
45°	534.5	514.2	466.3	434.7	424.6
47.5°	519.4	496.5	445.8	411.7	401.1
50°	498.9	474.7	421.6	386.8	376.2
52.5°	473.5	448.3	394.7	360.4	349.0
55°	444.1	418.7	365.8	331.7	321.6
57.5°	409.8	386.3	335.4	303.1	293.4
60°	374.2	352.0	304.3	274.4	265.8
62.5°	336.7	316.4	272.9	246.0	238.6
65°	297.9	279.8	241.6	219.6	212.4
67.5°	259.1	245.3	211.7	192.2	188.2
70°	220.6	210.2	183.0	170.2	165.2
72.5°	184.0	178.6	155.9	147.2	140.5
75°	150.2	148.2	133.4	122.8	120.8
77.5°	119.5	122.5	109.7	102.0	100.3
80°	92.1	95.1	86.9	80.5	78.3
82.5°	67.2	71.1	63.0	61.5	59.3
85°	44.5	45.7	41.7	42.2	39.3
87.5°	21.7	24.2	22.0	22.7	21.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526958

CATALOG NUMBER: 14CGTX-20-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	15.2	16.9	15.6	17.2	17.5	13.4	15.1	13.8	15.4	15.7
	3H	16.9	18.5	17.3	18.8	19.2	15.1	16.6	15.5	17.0	17.3
	4H	17.6	19.0	18.0	19.4	19.8	15.8	17.3	16.2	17.6	18.0
	6H	18.1	19.4	18.5	19.8	20.2	16.4	17.7	16.8	18.1	18.5
	8H	18.2	19.5	18.7	19.9	20.3	16.6	17.9	17.0	18.3	18.7
	12H	18.4	19.6	18.8	20.0	20.4	16.8	18.0	17.2	18.4	18.8
4H	2H	15.6	17.1	16.0	17.4	17.8	14.2	15.6	14.6	16.0	16.3
	3H	17.6	18.8	18.0	19.2	19.6	16.1	17.3	16.5	17.7	18.1
	4H	18.4	19.5	18.8	19.9	20.4	16.9	18.0	17.3	18.4	18.9
	6H	19.1	20.0	19.5	20.5	20.9	17.6	18.6	18.1	19.0	19.5
	8H	19.3	20.2	19.8	20.6	21.1	17.9	18.8	18.4	19.3	19.7
	12H	19.5	20.3	20.0	20.8	21.3	18.1	19.0	18.6	19.4	19.9
8H	4H	18.6	19.6	19.1	20.0	20.5	17.3	18.2	17.8	18.7	19.2
	6H	19.4	20.2	19.9	20.7	21.2	18.2	19.0	18.7	19.4	19.9
	8H	19.8	20.5	20.3	21.0	21.5	18.6	19.2	19.1	19.7	20.2
	12H	20.1	20.7	20.6	21.2	21.7	18.9	19.5	19.4	20.0	20.5
12H	4H	18.7	19.5	19.2	20.0	20.4	17.4	18.2	17.9	18.7	19.2
	6H	19.5	20.2	20.0	20.7	21.2	18.3	19.0	18.8	19.5	20.0
	8H	19.9	20.5	20.4	21.0	21.6	18.7	19.3	19.2	19.8	20.4















(END OF REPORT)