

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: P1526962

Luminaire Tested: 14CGTX-20HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526962
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-20HE-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

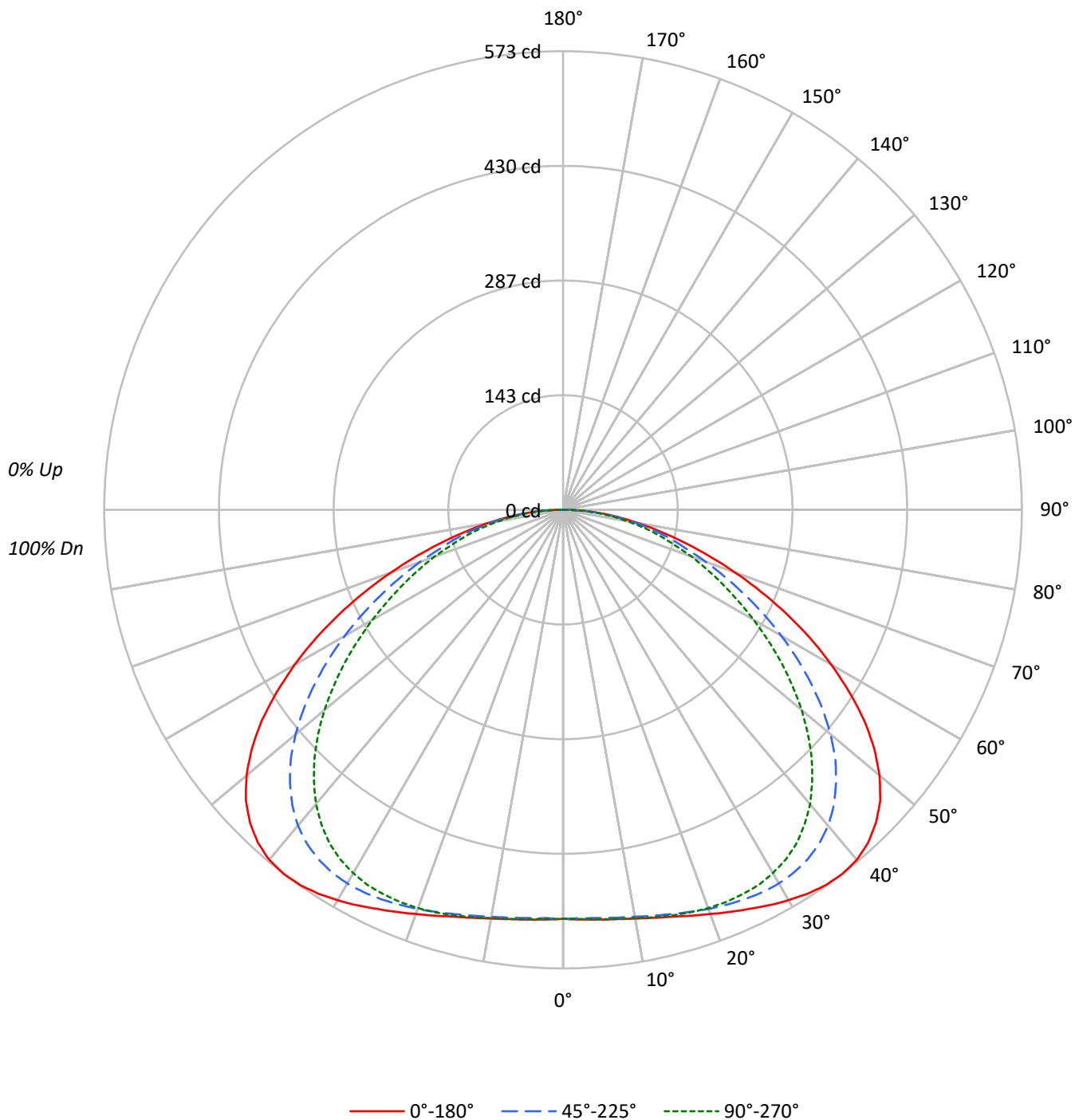
Lumens per Lamp: N/A
Luminaire Lumens: 1957.7 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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

TEST NUMBER: P1526962

CATALOG NUMBER: 14CGTX-20HE-F125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1526962

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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°	1375	1375	1375
5°	1388	1383	1387
10°	1417	1411	1415
15°	1466	1457	1462
20°	1539	1520	1516
25°	1634	1594	1574
30°	1750	1675	1629
35°	1880	1750	1671
40°	2005	1810	1686
45°	2104	1835	1671
50°	2160	1825	1629
55°	2155	1775	1560
60°	2083	1694	1479
65°	1962	1591	1399
70°	1795	1489	1345
75°	1615	1434	1299
80°	1477	1393	1255
85°	1420	1334	1254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2165 cd/sqm

TEST NUMBER: P1526962

CATALOG NUMBER: 14CGTX-20HE-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	2.5
10°-20°	148.9	7.6
20°-30°	249.1	12.7
30°-40°	335.6	17.1
40°-50°	376.5	19.2
50°-60°	345.5	17.6
60°-70°	255.5	13.1
70°-80°	148.6	7.6
80°-90°	48.9	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°	447.1	22.8
0°-40°	782.7	40.0
0°-60°	1504.7	76.9
0°-90°	1957.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	511	511	511	511	511	
5°	514	514	512	512	513	49
15°	526	525	523	523	525	150
25°	550	546	537	531	530	255
35°	572	560	533	514	509	358
45°	553	532	482	450	439	425
55°	459	433	378	343	333	408
65°	308	289	250	227	220	305
75°	155	153	138	127	125	166
85°	46	47	43	44	41	51
90°	0	0	0	0	0	

TEST NUMBER: P1526962

CATALOG NUMBER: 14CGTX-20HE-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	510.9	510.9	510.9	510.9	510.9
2.5°	512.4	512.4	510.6	511.1	511.6
5°	513.9	513.7	511.9	512.1	513.4
7.5°	515.7	515.7	513.9	513.9	515.7
10°	518.5	518.0	516.2	516.7	518.0
12.5°	522.1	521.1	519.3	519.8	521.3
15°	526.2	525.2	522.9	523.4	524.7
17.5°	531.6	530.0	526.7	526.7	527.5
20°	537.4	534.9	530.8	528.7	529.5
22.5°	543.8	540.5	533.9	530.3	530.5
25°	550.2	546.1	536.9	531.0	530.0
27.5°	557.1	551.2	538.7	530.5	528.5
30°	563.2	555.8	539.0	527.7	524.1
32.5°	568.6	558.9	537.2	522.4	517.8
35°	572.2	560.2	532.8	514.2	508.6
37.5°	573.2	558.6	525.7	502.9	495.5
40°	570.9	553.8	515.2	488.1	480.0
42.5°	564.0	545.1	500.4	470.2	460.5
45°	552.8	531.8	482.3	449.6	439.1
47.5°	537.2	513.4	461.1	425.8	414.8
50°	516.0	490.9	436.0	400.0	389.0
52.5°	489.7	463.6	408.2	372.7	360.9
55°	459.3	433.0	378.3	343.0	332.6
57.5°	423.8	399.5	346.9	313.4	303.5
60°	387.0	364.0	314.7	283.8	274.8
62.5°	348.2	327.2	282.3	254.4	246.7
65°	308.1	289.4	249.8	227.1	219.7
67.5°	267.9	253.6	218.9	198.7	194.6
70°	228.1	217.4	189.3	176.0	170.9
72.5°	190.3	184.7	161.2	152.2	145.3
75°	155.3	153.3	137.9	126.9	124.9
77.5°	123.6	126.7	113.4	105.5	103.7
80°	95.3	98.3	89.9	83.3	81.0
82.5°	69.5	73.6	65.1	63.6	61.3
85°	46.0	47.3	43.2	43.7	40.6
87.5°	22.5	25.0	22.7	23.5	22.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526962

CATALOG NUMBER: 14CGTX-20HE-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	15.3	17.0	15.7	17.3	17.6	13.5	15.2	13.9	15.5	15.8
	3H	17.1	18.6	17.4	18.9	19.3	15.2	16.8	15.6	17.1	17.4
	4H	17.7	19.1	18.1	19.5	19.9	15.9	17.4	16.3	17.7	18.1
	6H	18.2	19.5	18.6	19.9	20.3	16.5	17.8	16.9	18.2	18.6
	8H	18.4	19.6	18.8	20.0	20.4	16.7	18.0	17.1	18.4	18.8
	12H	18.5	19.7	18.9	20.1	20.5	16.9	18.1	17.3	18.5	18.9
4H	2H	15.7	17.2	16.1	17.5	17.9	14.3	15.7	14.7	16.1	16.4
	3H	17.7	18.9	18.1	19.3	19.7	16.2	17.4	16.6	17.8	18.2
	4H	18.5	19.6	18.9	20.0	20.5	17.0	18.1	17.5	18.5	19.0
	6H	19.2	20.1	19.6	20.6	21.0	17.7	18.7	18.2	19.2	19.6
	8H	19.4	20.3	19.9	20.8	21.2	18.0	18.9	18.5	19.4	19.8
	12H	19.6	20.4	20.1	20.9	21.4	18.2	19.1	18.7	19.5	20.0
8H	4H	18.8	19.7	19.2	20.1	20.6	17.5	18.4	17.9	18.8	19.3
	6H	19.6	20.3	20.1	20.8	21.3	18.3	19.1	18.8	19.6	20.0
	8H	19.9	20.6	20.4	21.1	21.6	18.7	19.4	19.2	19.9	20.3
	12H	20.2	20.8	20.7	21.3	21.9	19.0	19.6	19.5	20.1	20.7
12H	4H	18.8	19.6	19.3	20.1	20.6	17.5	18.3	18.0	18.8	19.3
	6H	19.6	20.3	20.1	20.8	21.3	18.4	19.1	18.9	19.6	20.1
	8H	20.0	20.6	20.5	21.1	21.7	18.8	19.5	19.4	19.9	20.5















(END OF REPORT)