

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: P1527014

Luminaire Tested: 22CGTX-20HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-20HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

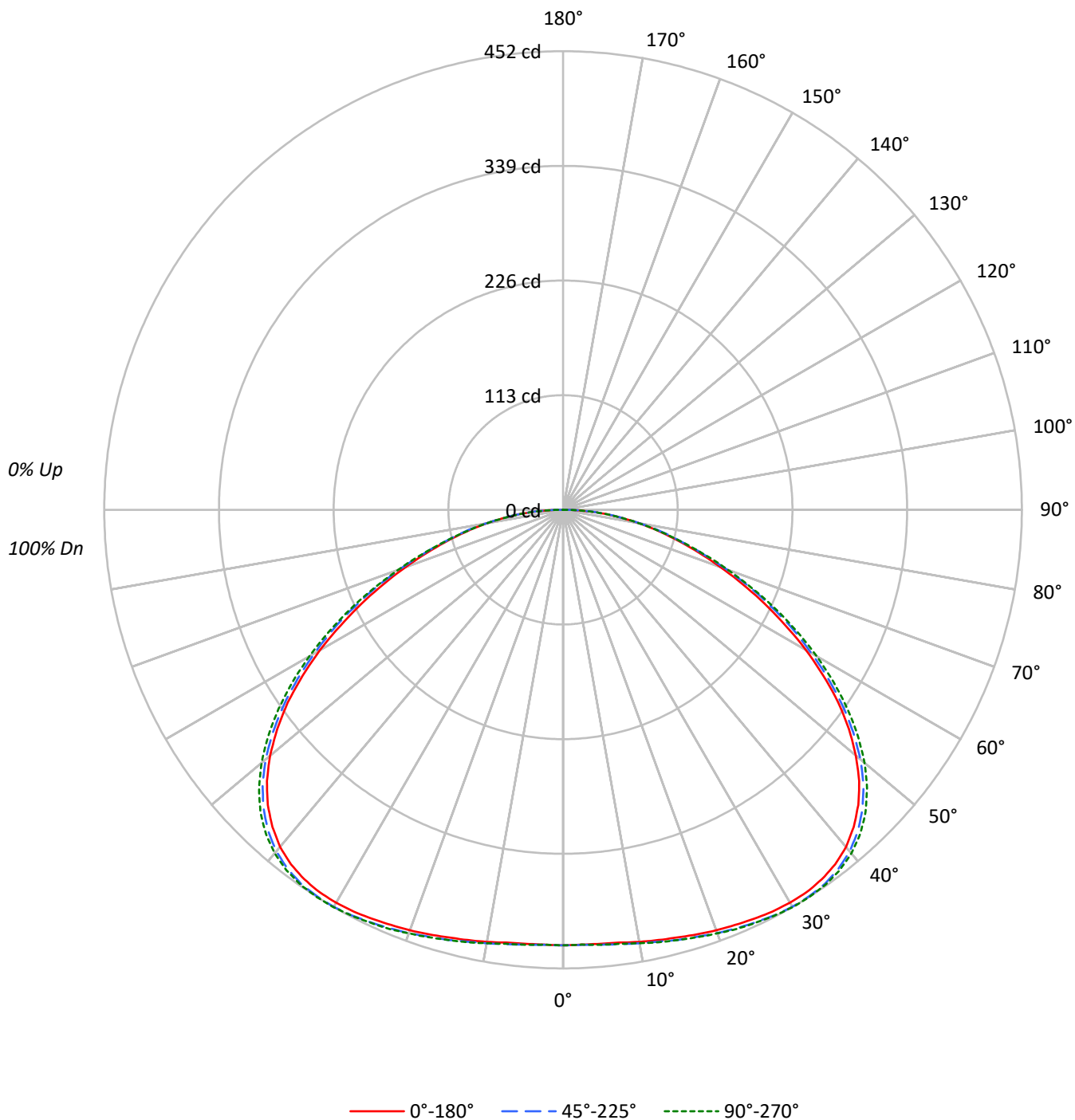
Lumens per Lamp: N/A
Luminaire Lumens: 1666.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67
4	81	68	59	52	78	67	58	51	64	57	51		62	55	50		59
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53
6	68	54	45	38	66	53	44	38	51	43	37		49	42	37		48
7	63	49	39	33	61	48	39	33	46	38	33		45	38	32		43
8	58	44	35	29	57	43	35	29	42	34	29		41	34	29		39
9	54	40	32	26	53	40	31	26	38	31	26		37	30	26		36
10	51	37	29	23	49	36	29	23	35	28	23		34	28	23		34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1155	1155	1155
5°	1159	1162	1162
10°	1182	1185	1185
15°	1215	1222	1222
20°	1263	1271	1272
25°	1321	1332	1333
30°	1389	1404	1405
35°	1460	1478	1481
40°	1524	1544	1552
45°	1565	1587	1604
50°	1577	1600	1623
55°	1553	1577	1605
60°	1488	1520	1553
65°	1395	1445	1470
70°	1297	1345	1360
75°	1216	1250	1250
80°	1176	1190	1181
85°	1142	1183	1142

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 1623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	2.5
10°-20°	124.4	7.5
20°-30°	207.3	12.4
30°-40°	280.8	16.9
40°-50°	320.3	19.2
50°-60°	299.4	18.0
60°-70°	223.6	13.4
70°-80°	127.6	7.7
80°-90°	41.4	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°	372.8	22.4
0°-40°	653.7	39.2
0°-60°	1273.3	76.4
0°-90°	1666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	429	429	429	429	429	
5°	429	430	430	430	430	41
15°	436	438	439	439	439	124
25°	445	446	449	449	449	206
35°	444	447	450	451	451	278
45°	411	413	417	420	422	316
55°	331	332	336	340	342	294
65°	219	222	227	228	231	217
75°	117	119	120	120	120	125
85°	37	39	38	38	37	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	429.2	429.2	429.2	429.2	429.2
2.5°	428.9	429.2	429.2	429.8	428.9
5°	429.2	429.8	430.2	430.5	430.2
7.5°	430.2	431.1	431.7	432.1	431.4
10°	432.4	433.0	433.7	434.3	433.7
12.5°	434.3	435.3	435.9	436.8	436.5
15°	436.2	437.5	438.8	439.1	438.8
17.5°	438.8	439.7	441.0	441.6	441.6
20°	441.0	442.3	443.9	444.5	444.2
22.5°	442.9	444.5	446.4	447.4	447.1
25°	444.8	446.4	448.6	449.3	449.0
27.5°	446.4	448.3	450.6	451.5	450.9
30°	447.1	449.0	451.8	452.5	452.2
32.5°	446.7	448.6	451.5	452.5	452.2
35°	444.5	446.7	449.9	451.2	450.9
37.5°	440.4	442.6	445.8	447.4	447.7
40°	433.7	435.9	439.4	441.6	441.9
42.5°	423.8	426.0	429.8	432.4	433.3
45°	411.3	413.3	417.1	419.9	421.5
47.5°	395.7	397.3	401.5	404.6	406.2
50°	376.6	378.2	382.3	385.5	387.7
52.5°	354.9	356.2	360.3	364.1	366.1
55°	331.0	331.9	336.1	339.9	342.1
57.5°	303.9	306.7	309.9	313.4	316.0
60°	276.5	278.7	282.5	286.0	288.6
62.5°	247.1	251.3	255.7	257.6	259.9
65°	219.1	222.2	227.0	228.3	230.9
67.5°	191.3	194.8	199.0	199.9	201.5
70°	164.9	167.7	170.9	172.2	172.8
72.5°	140.0	142.2	144.4	145.4	145.4
75°	117.0	118.9	120.2	120.5	120.2
77.5°	96.3	96.6	99.5	97.6	97.3
80°	75.9	75.9	76.8	76.8	76.2
82.5°	56.1	57.4	57.1	56.8	55.8
85°	37.0	38.6	38.3	37.6	37.0
87.5°	18.2	20.1	19.1	20.1	18.5
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	13.9	15.6	14.3	16.0	16.3	14.1	15.8	14.5	16.1	16.4
	3H	15.6	17.2	16.0	17.5	17.9	15.8	17.4	16.2	17.7	18.1
	4H	16.3	17.7	16.7	18.1	18.5	16.5	17.9	16.9	18.3	18.7
	6H	16.8	18.2	17.2	18.5	18.9	17.0	18.3	17.4	18.7	19.1
	8H	17.0	18.3	17.4	18.7	19.1	17.2	18.5	17.6	18.9	19.2
	12H	17.1	18.4	17.6	18.8	19.2	17.3	18.6	17.7	18.9	19.4
4H	2H	14.6	16.0	15.0	16.4	16.8	14.7	16.2	15.1	16.5	16.9
	3H	16.5	17.7	16.9	18.1	18.5	16.7	17.9	17.1	18.3	18.7
	4H	17.3	18.4	17.7	18.8	19.2	17.4	18.6	17.9	19.0	19.4
	6H	17.9	18.9	18.4	19.4	19.8	18.1	19.1	18.5	19.5	20.0
	8H	18.2	19.1	18.7	19.6	20.0	18.3	19.2	18.8	19.7	20.2
	12H	18.4	19.2	18.9	19.7	20.2	18.5	19.4	19.0	19.8	20.3
8H	4H	17.6	18.5	18.1	19.0	19.4	17.8	18.7	18.2	19.1	19.6
	6H	18.4	19.2	18.9	19.7	20.1	18.5	19.3	19.0	19.8	20.3
	8H	18.8	19.5	19.3	20.0	20.4	18.9	19.6	19.4	20.1	20.5
	12H	19.1	19.7	19.6	20.2	20.7	19.2	19.8	19.7	20.3	20.8
12H	4H	17.7	18.5	18.1	19.0	19.4	17.8	18.6	18.3	19.1	19.6
	6H	18.5	19.2	19.0	19.7	20.2	18.6	19.3	19.1	19.8	20.3
	8H	18.9	19.5	19.4	20.0	20.6	19.0	19.6	19.5	20.1	20.7













(END OF REPORT)