

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: P1527080

Luminaire Tested: 24CGTX-20HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527080
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-20HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

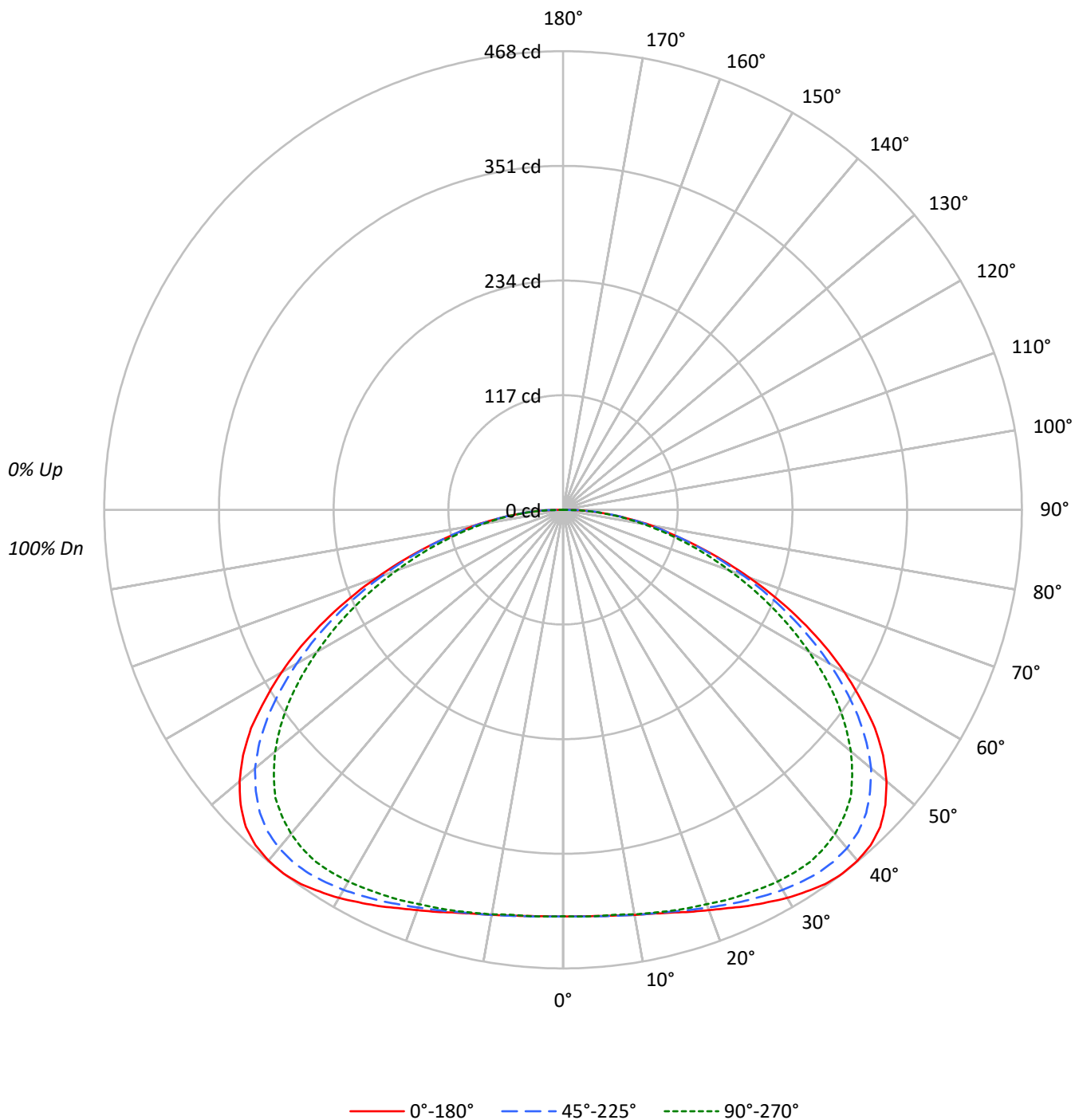
Lumens per Lamp: N/A
Luminaire Lumens: 1754.0 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
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	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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82			
2	97	88	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66			
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54			
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45			
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39			
6	67	53	43	36	65	52	43	36	50	42	36	48	41	36	47	40	35	33			
7	62	47	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	27	38	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	25	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	32	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	558	558	558
5°	562	562	562
10°	573	573	573
15°	593	591	590
20°	622	618	613
25°	662	654	644
30°	710	696	680
35°	766	744	721
40°	821	791	758
45°	871	832	790
50°	902	859	802
55°	911	862	800
60°	892	844	780
65°	854	813	749
70°	795	769	709
75°	728	724	671
80°	707	692	642
85°	656	685	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 911 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	2.3
10°-20°	120.7	6.9
20°-30°	203.8	11.6
30°-40°	283.5	16.2
40°-50°	335.6	19.1
50°-60°	325.6	18.6
60°-70°	250.9	14.3
70°-80°	146.4	8.3
80°-90°	47.8	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°	364.3	20.8
0°-40°	647.8	36.9
0°-60°	1308.9	74.6
0°-90°	1754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	415	415	415	415	415	
5°	416	416	416	416	416	40
15°	426	426	425	424	424	121
25°	446	444	440	436	434	207
35°	466	462	453	443	439	292
45°	458	452	437	422	415	351
55°	388	382	367	350	341	345
65°	268	265	255	242	235	265
75°	140	144	139	133	129	150
85°	42	45	44	43	42	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	414.8	414.8	414.8	414.8	414.8
2.5°	415.1	415.4	415.4	415.4	415.4
5°	416.0	416.3	416.3	416.3	416.0
7.5°	417.5	417.5	417.8	417.5	416.6
10°	419.7	419.7	419.7	419.4	419.1
12.5°	422.1	422.4	421.8	421.5	421.2
15°	425.5	425.5	424.6	423.7	423.7
17.5°	430.1	429.5	428.2	426.7	426.1
20°	434.7	434.1	431.9	429.5	428.2
22.5°	439.9	438.6	435.9	432.5	431.3
25°	446.0	444.1	440.2	435.6	433.7
27.5°	451.5	449.0	444.1	438.9	435.9
30°	457.3	454.2	447.8	441.1	438.0
32.5°	461.9	458.8	450.6	442.9	438.9
35°	466.2	462.2	452.7	443.2	438.9
37.5°	468.0	463.7	452.7	441.7	436.2
40°	467.4	462.8	450.6	438.0	431.6
42.5°	464.3	458.8	445.7	431.6	424.3
45°	457.6	451.5	437.4	422.4	415.1
47.5°	446.0	439.9	424.9	409.0	400.1
50°	430.7	424.3	410.2	392.4	383.3
52.5°	411.4	405.0	390.3	372.3	363.4
55°	388.5	381.7	367.4	350.2	341.1
57.5°	360.3	355.4	341.4	325.2	316.3
60°	331.6	326.7	313.8	298.5	289.7
62.5°	300.7	296.7	285.1	270.7	263.1
65°	268.3	265.2	255.4	242.3	235.2
67.5°	235.2	234.0	225.1	213.8	207.7
70°	202.2	202.8	195.5	185.4	180.2
72.5°	170.1	172.2	166.4	158.1	154.5
75°	140.1	143.5	139.2	132.8	129.1
77.5°	112.3	116.8	113.2	108.3	105.2
80°	91.2	90.8	89.3	85.6	82.9
82.5°	65.5	66.7	65.8	63.6	62.1
85°	42.5	44.7	44.4	43.4	41.6
87.5°	21.1	23.6	23.9	23.2	22.3
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	12.4	14.1	12.7	14.4	14.7	11.7	13.4	12.1	13.7	14.1
	3H	14.2	15.8	14.6	16.1	16.4	13.5	15.1	13.9	15.4	15.7
	4H	14.9	16.3	15.2	16.7	17.1	14.2	15.7	14.6	16.0	16.4
	6H	15.4	16.8	15.8	17.1	17.5	14.7	16.1	15.1	16.5	16.9
	8H	15.6	16.9	16.0	17.3	17.7	14.9	16.3	15.4	16.6	17.0
	12H	15.7	17.0	16.1	17.4	17.8	15.1	16.4	15.5	16.8	17.2
4H	2H	13.0	14.5	13.4	14.8	15.2	12.4	13.9	12.8	14.3	14.6
	3H	15.0	16.3	15.4	16.7	17.1	14.4	15.7	14.9	16.1	16.5
	4H	15.8	17.0	16.3	17.4	17.8	15.3	16.4	15.7	16.8	17.2
	6H	16.5	17.5	17.0	17.9	18.4	15.9	17.0	16.4	17.4	17.8
	8H	16.8	17.7	17.2	18.1	18.6	16.2	17.2	16.7	17.6	18.1
	12H	17.0	17.8	17.4	18.3	18.8	16.4	17.3	16.9	17.8	18.2
8H	4H	16.1	17.1	16.6	17.5	18.0	15.6	16.6	16.1	17.0	17.5
	6H	17.0	17.8	17.5	18.2	18.7	16.5	17.3	17.0	17.8	18.2
	8H	17.3	18.0	17.8	18.5	19.0	16.8	17.5	17.3	18.0	18.5
	12H	17.6	18.2	18.1	18.7	19.3	17.2	17.8	17.7	18.3	18.8
12H	4H	16.2	17.0	16.7	17.5	18.0	15.7	16.6	16.2	17.0	17.5
	6H	17.1	17.8	17.6	18.2	18.8	16.6	17.3	17.1	17.8	18.3
	8H	17.4	18.1	17.9	18.6	19.1	17.0	17.6	17.5	18.1	18.7















(END OF REPORT)