

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: P1527079

Luminaire Tested: 24CGTX-20HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527079
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

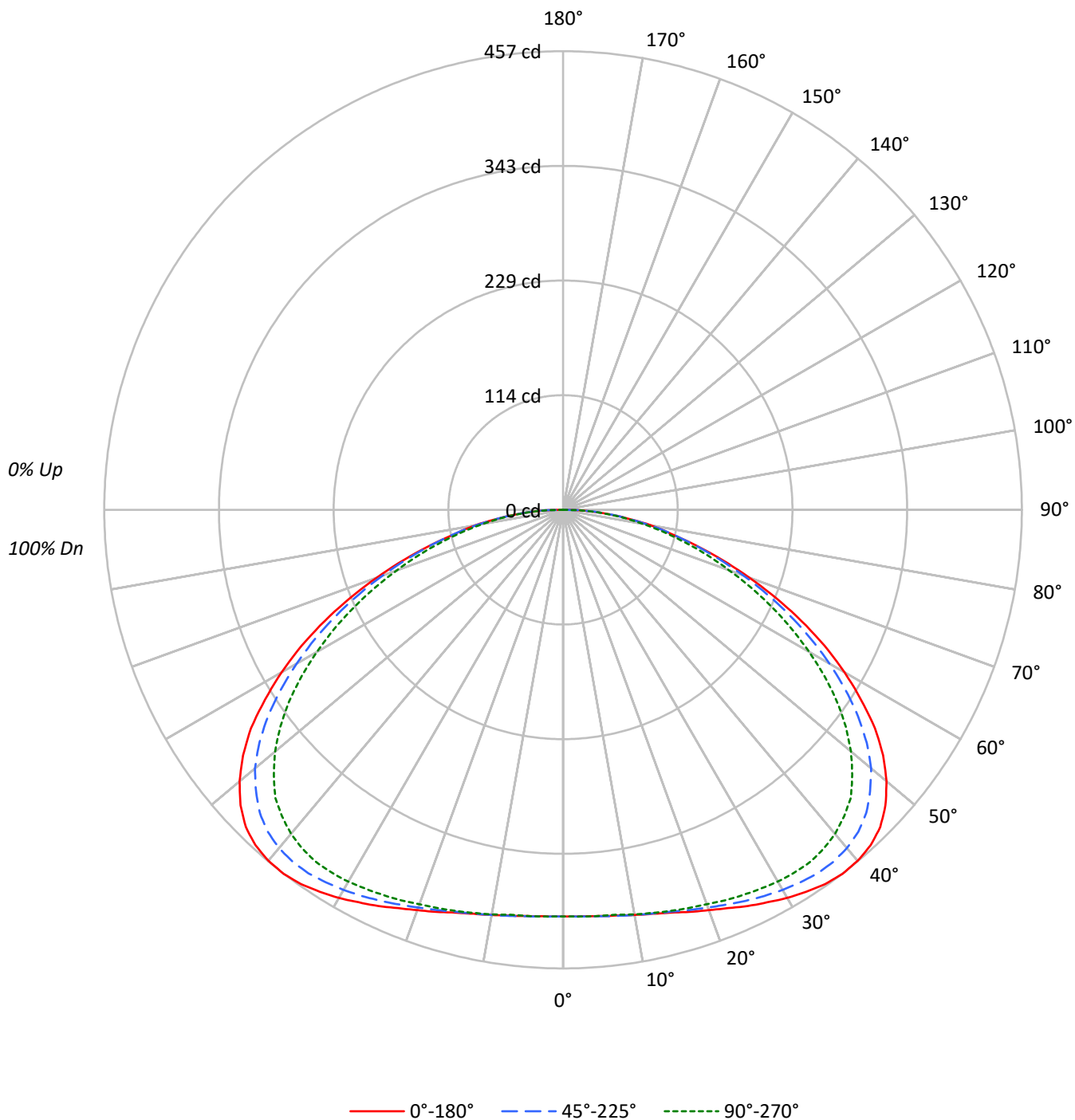
Lumens per Lamp: N/A
Luminaire Lumens: 1713.0 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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	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		33	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	545	545	545
5°	549	549	549
10°	560	560	559
15°	579	578	576
20°	608	604	599
25°	647	638	629
30°	694	679	665
35°	748	726	704
40°	802	773	740
45°	850	813	771
50°	880	839	783
55°	890	842	781
60°	871	825	761
65°	834	794	731
70°	777	751	692
75°	711	706	656
80°	690	676	628
85°	641	668	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	2.3
10°-20°	117.8	6.9
20°-30°	199.0	11.6
30°-40°	276.9	16.2
40°-50°	327.7	19.1
50°-60°	318.0	18.6
60°-70°	245.0	14.3
70°-80°	142.9	8.3
80°-90°	46.7	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°	355.8	20.8
0°-40°	632.6	36.9
0°-60°	1278.4	74.6
0°-90°	1713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	405	405	405	405	405	
5°	406	407	407	407	406	39
15°	416	416	415	414	414	118
25°	436	434	430	425	424	202
35°	455	451	442	433	429	285
45°	447	441	427	413	405	343
55°	379	373	359	342	333	337
65°	262	259	249	237	230	259
75°	137	140	136	130	126	147
85°	42	44	43	42	41	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	405.1	405.1	405.1	405.1	405.1
2.5°	405.4	405.7	405.7	405.7	405.7
5°	406.3	406.6	406.6	406.6	406.3
7.5°	407.8	407.8	408.1	407.8	406.9
10°	409.9	409.9	409.9	409.6	409.3
12.5°	412.3	412.6	412.0	411.7	411.4
15°	415.5	415.5	414.6	413.7	413.7
17.5°	420.0	419.4	418.2	416.7	416.1
20°	424.5	423.9	421.8	419.4	418.2
22.5°	429.6	428.4	425.7	422.4	421.2
25°	435.6	433.8	429.9	425.4	423.6
27.5°	440.9	438.5	433.8	428.7	425.7
30°	446.6	443.6	437.3	430.8	427.8
32.5°	451.1	448.1	440.0	432.6	428.7
35°	455.3	451.4	442.1	432.9	428.7
37.5°	457.1	452.9	442.1	431.4	426.0
40°	456.5	452.0	440.0	427.8	421.5
42.5°	453.5	448.1	435.3	421.5	414.3
45°	446.9	440.9	427.2	412.6	405.4
47.5°	435.6	429.6	414.9	399.4	390.7
50°	420.6	414.3	400.6	383.3	374.3
52.5°	401.8	395.5	381.2	363.6	354.9
55°	379.4	372.8	358.8	342.1	333.1
57.5°	351.9	347.1	333.4	317.6	308.9
60°	323.8	319.0	306.5	291.6	282.9
62.5°	293.7	289.8	278.4	264.4	256.9
65°	262.0	259.0	249.4	236.6	229.7
67.5°	229.7	228.5	219.9	208.8	202.8
70°	197.5	198.1	190.9	181.0	176.0
72.5°	166.1	168.2	162.5	154.4	150.9
75°	136.8	140.1	135.9	129.7	126.1
77.5°	109.6	114.1	110.5	105.8	102.8
80°	89.0	88.7	87.2	83.6	81.0
82.5°	63.9	65.1	64.2	62.1	60.6
85°	41.5	43.6	43.3	42.4	40.6
87.5°	20.6	23.0	23.3	22.7	21.8
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	12.3	14.0	12.6	14.3	14.6	11.6	13.3	12.0	13.7	14.0
	3H	14.1	15.7	14.5	16.0	16.4	13.4	15.0	13.8	15.3	15.7
	4H	14.8	16.3	15.2	16.6	17.0	14.1	15.6	14.5	15.9	16.3
	6H	15.3	16.7	15.7	17.0	17.4	14.6	16.0	15.1	16.4	16.8
	8H	15.5	16.8	15.9	17.2	17.6	14.9	16.2	15.3	16.6	17.0
	12H	15.6	16.9	16.1	17.3	17.7	15.0	16.3	15.4	16.7	17.1
4H	2H	12.9	14.4	13.3	14.7	15.1	12.4	13.8	12.8	14.2	14.6
	3H	14.9	16.2	15.3	16.6	17.0	14.4	15.6	14.8	16.0	16.4
	4H	15.7	16.9	16.2	17.3	17.7	15.2	16.3	15.6	16.7	17.2
	6H	16.4	17.4	16.9	17.9	18.3	15.9	16.9	16.3	17.3	17.8
	8H	16.7	17.6	17.1	18.1	18.5	16.1	17.1	16.6	17.5	18.0
	12H	16.9	17.7	17.4	18.2	18.7	16.4	17.2	16.8	17.7	18.1
8H	4H	16.1	17.0	16.5	17.4	17.9	15.6	16.5	16.0	16.9	17.4
	6H	16.9	17.7	17.4	18.2	18.6	16.4	17.2	16.9	17.7	18.1
	8H	17.2	17.9	17.7	18.4	18.9	16.8	17.5	17.3	18.0	18.4
	12H	17.5	18.2	18.0	18.6	19.2	17.1	17.7	17.6	18.2	18.7
12H	4H	16.1	17.0	16.6	17.4	17.9	15.6	16.5	16.1	16.9	17.4
	6H	17.0	17.7	17.5	18.1	18.7	16.5	17.2	17.0	17.7	18.2
	8H	17.4	18.0	17.9	18.5	19.0	16.9	17.5	17.4	18.0	18.6













(END OF REPORT)