

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: P1527112

Luminaire Tested: 24CGTX-40HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527112
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-40HE-F125-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

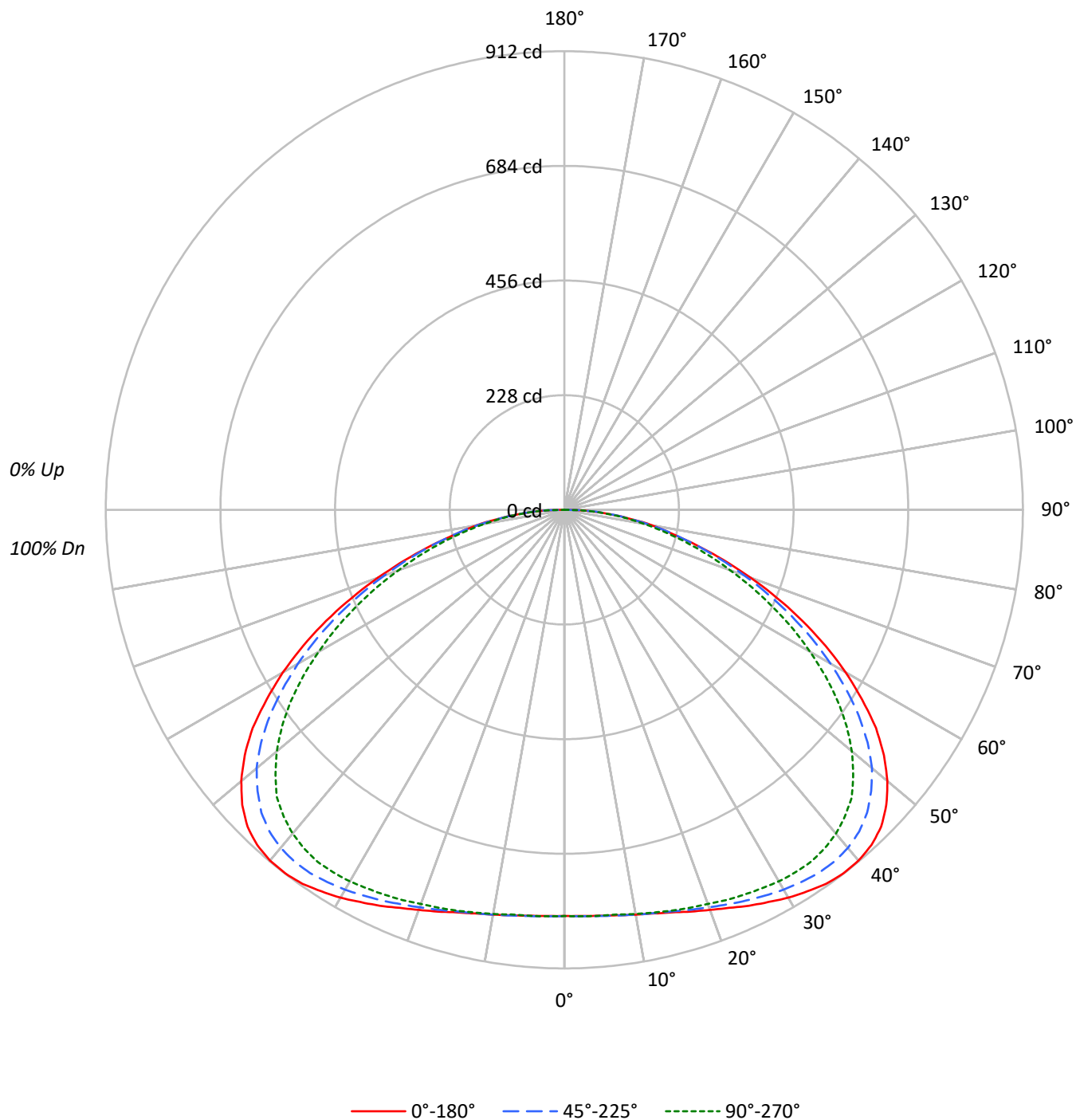
Lumens per Lamp: N/A
Luminaire Lumens: 3416.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.9
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
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88
2	97	88	81	74	94	86	79	74	83	77	72		79	74	70		76
3	88	76	68	61	85	75	67	60	72	65	59		69	63	58		66
4	80	67	57	50	77	66	57	50	63	55	49		61	54	48		58
5	73	59	50	43	71	58	49	42	56	48	42		54	47	41		52
6	67	53	43	36	65	52	43	36	50	42	36		48	41	36		47
7	62	47	38	32	60	47	38	32	45	37	31		44	36	31		42
8	57	43	34	28	56	42	34	28	41	33	28		40	33	27		38
9	53	39	31	25	52	39	30	25	37	30	25		36	29	24		35
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1087	1087	1087
5°	1094	1095	1094
10°	1117	1117	1115
15°	1154	1152	1149
20°	1212	1204	1194
25°	1290	1273	1254
30°	1384	1355	1325
35°	1491	1448	1404
40°	1599	1541	1476
45°	1696	1621	1538
50°	1756	1672	1562
55°	1775	1678	1558
60°	1738	1645	1518
65°	1663	1584	1458
70°	1549	1498	1380
75°	1418	1409	1307
80°	1375	1348	1251
85°	1278	1334	1250

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	2.3
10°-20°	235.0	6.9
20°-30°	396.9	11.6
30°-40°	552.1	16.2
40°-50°	653.6	19.1
50°-60°	634.1	18.6
60°-70°	488.6	14.3
70°-80°	285.1	8.3
80°-90°	93.2	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°	709.5	20.8
0°-40°	1261.6	36.9
0°-60°	2549.2	74.6
0°-90°	3416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	808	808	808	808	808	
5°	810	811	811	811	810	78
15°	829	829	827	825	825	236
25°	869	865	857	848	845	403
35°	908	900	882	863	855	569
45°	891	879	852	823	808	684
55°	757	744	716	682	664	672
65°	522	516	497	472	458	516
75°	273	279	271	258	251	292
85°	83	87	86	85	81	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	807.8	807.8	807.8	807.8	807.8
2.5°	808.4	809.0	809.0	809.0	809.0
5°	810.2	810.8	810.8	810.8	810.2
7.5°	813.2	813.2	813.8	813.2	811.4
10°	817.3	817.3	817.3	816.7	816.1
12.5°	822.1	822.7	821.5	820.9	820.3
15°	828.7	828.7	826.9	825.1	825.1
17.5°	837.6	836.4	834.0	831.0	829.8
20°	846.5	845.3	841.2	836.4	834.0
22.5°	856.7	854.3	848.9	842.4	840.0
25°	868.6	865.0	857.2	848.3	844.7
27.5°	879.3	874.5	865.0	854.9	848.9
30°	890.6	884.7	872.1	859.0	853.1
32.5°	899.5	893.6	877.5	862.6	854.9
35°	907.9	900.1	881.7	863.2	854.9
37.5°	911.5	903.1	881.7	860.2	849.5
40°	910.3	901.3	877.5	853.1	840.6
42.5°	904.3	893.6	868.0	840.6	826.3
45°	891.2	879.3	851.9	822.7	808.4
47.5°	868.6	856.7	827.5	796.5	779.2
50°	838.8	826.3	798.9	764.3	746.4
52.5°	801.3	788.7	760.1	725.0	707.7
55°	756.6	743.5	715.5	682.1	664.2
57.5°	701.8	692.2	664.8	633.3	616.0
60°	645.8	636.2	611.2	581.4	564.2
62.5°	585.6	577.9	555.2	527.2	512.3
65°	522.5	516.5	497.4	471.8	458.1
67.5°	458.1	455.7	438.5	416.4	404.5
70°	393.8	395.0	380.7	361.0	350.9
72.5°	331.2	335.4	324.1	308.0	300.8
75°	272.8	279.4	271.1	258.5	251.4
77.5°	218.6	227.6	220.4	210.9	204.9
80°	177.5	176.9	174.0	166.8	161.4
82.5°	127.5	129.9	128.1	123.9	120.9
85°	82.8	87.0	86.4	84.6	81.0
87.5°	41.1	45.9	46.5	45.3	43.5
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	14.7	16.4	15.0	16.7	17.0	14.0	15.7	14.4	16.1	16.4
	3H	16.5	18.1	16.9	18.4	18.8	15.8	17.4	16.2	17.7	18.1
	4H	17.2	18.7	17.6	19.0	19.4	16.5	18.0	16.9	18.3	18.7
	6H	17.7	19.1	18.1	19.4	19.8	17.0	18.4	17.5	18.8	19.2
	8H	17.9	19.2	18.3	19.6	20.0	17.2	18.6	17.7	19.0	19.4
	12H	18.0	19.3	18.5	19.7	20.1	17.4	18.7	17.8	19.1	19.5
4H	2H	15.3	16.8	15.7	17.1	17.5	14.8	16.2	15.1	16.6	17.0
	3H	17.3	18.6	17.7	19.0	19.4	16.8	18.0	17.2	18.4	18.8
	4H	18.1	19.3	18.6	19.7	20.1	17.6	18.7	18.0	19.1	19.6
	6H	18.8	19.8	19.3	20.3	20.7	18.3	19.3	18.7	19.7	20.2
	8H	19.1	20.0	19.5	20.5	20.9	18.5	19.5	19.0	19.9	20.4
	12H	19.3	20.1	19.8	20.6	21.1	18.8	19.6	19.2	20.1	20.5
8H	4H	18.5	19.4	18.9	19.8	20.3	18.0	18.9	18.4	19.3	19.8
	6H	19.3	20.1	19.8	20.6	21.0	18.8	19.6	19.3	20.1	20.5
	8H	19.6	20.3	20.1	20.8	21.3	19.1	19.9	19.7	20.4	20.8
	12H	19.9	20.6	20.4	21.0	21.6	19.5	20.1	20.0	20.6	21.1
12H	4H	18.5	19.4	19.0	19.8	20.3	18.0	18.9	18.5	19.3	19.8
	6H	19.4	20.1	19.9	20.5	21.1	18.9	19.6	19.4	20.1	20.6
	8H	19.8	20.4	20.3	20.9	21.4	19.3	19.9	19.8	20.4	21.0













(END OF REPORT)