

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: P1527126

Luminaire Tested: 24CGTX-55-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527126
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-55-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

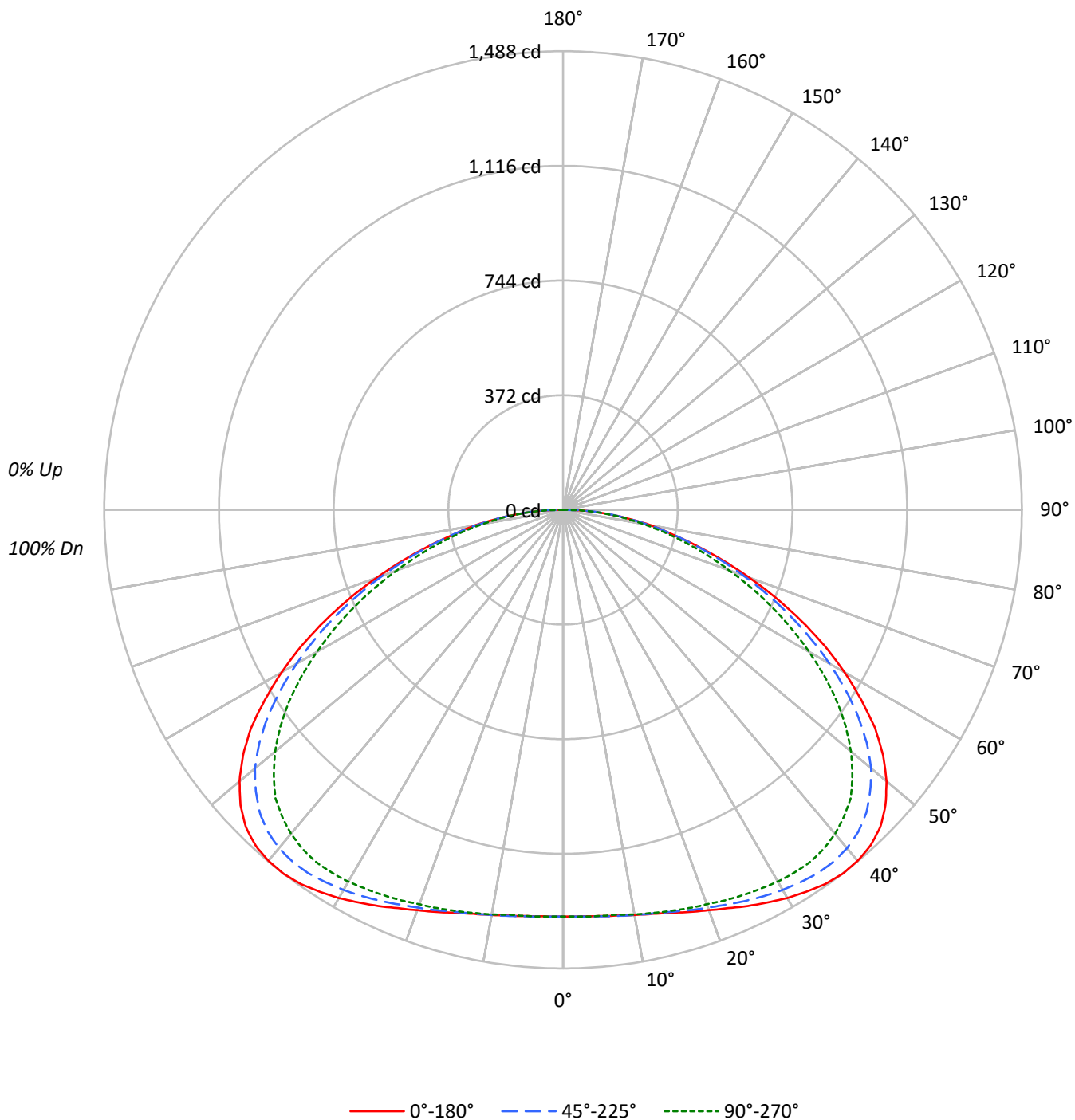
Lumens per Lamp: N/A
Luminaire Lumens: 5578.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.1
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	33	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1775	1775	1775
5°	1787	1788	1787
10°	1823	1823	1821
15°	1885	1881	1877
20°	1979	1967	1950
25°	2106	2078	2048
30°	2259	2213	2164
35°	2435	2365	2293
40°	2611	2517	2411
45°	2769	2647	2512
50°	2867	2731	2551
55°	2898	2741	2544
60°	2838	2686	2479
65°	2716	2586	2382
70°	2530	2445	2254
75°	2316	2301	2134
80°	2246	2201	2042
85°	2087	2178	2042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 2898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	2.3
10°-20°	383.7	6.9
20°-30°	648.1	11.6
30°-40°	901.6	16.2
40°-50°	1067.2	19.1
50°-60°	1035.4	18.6
60°-70°	797.8	14.3
70°-80°	465.5	8.3
80°-90°	152.1	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°	1158.5	20.8
0°-40°	2060.0	36.9
0°-60°	4162.6	74.6
0°-90°	5578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1319	1319	1319	1319	1319	
5°	1323	1324	1324	1324	1323	127
15°	1353	1353	1350	1347	1347	385
25°	1418	1412	1400	1385	1379	657
35°	1482	1470	1440	1410	1396	929
45°	1455	1436	1391	1343	1320	1118
55°	1235	1214	1168	1114	1085	1097
65°	853	843	812	770	748	843
75°	446	456	443	422	410	477
85°	135	142	141	138	132	151
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1319.1	1319.1	1319.1	1319.1	1319.1
2.5°	1320.0	1321.0	1321.0	1321.0	1321.0
5°	1323.0	1323.9	1323.9	1323.9	1323.0
7.5°	1327.8	1327.8	1328.8	1327.8	1324.9
10°	1334.6	1334.6	1334.6	1333.7	1332.7
12.5°	1342.4	1343.4	1341.4	1340.5	1339.5
15°	1353.1	1353.1	1350.2	1347.3	1347.3
17.5°	1367.7	1365.8	1361.9	1357.0	1355.1
20°	1382.3	1380.3	1373.5	1365.8	1361.9
22.5°	1398.8	1394.9	1386.2	1375.5	1371.6
25°	1418.3	1412.5	1399.8	1385.2	1379.4
27.5°	1435.8	1428.0	1412.5	1395.9	1386.2
30°	1454.3	1444.6	1424.1	1402.7	1393.0
32.5°	1468.9	1459.1	1432.9	1408.6	1395.9
35°	1482.5	1469.8	1439.7	1409.5	1395.9
37.5°	1488.3	1474.7	1439.7	1404.7	1387.2
40°	1486.4	1471.8	1432.9	1393.0	1372.6
42.5°	1476.7	1459.1	1417.3	1372.6	1349.2
45°	1455.3	1435.8	1391.0	1343.4	1320.0
47.5°	1418.3	1398.8	1351.2	1300.6	1272.4
50°	1369.6	1349.2	1304.5	1248.1	1218.9
52.5°	1308.4	1287.9	1241.2	1183.9	1155.6
55°	1235.4	1214.0	1168.3	1113.8	1084.6
57.5°	1145.9	1130.3	1085.6	1034.0	1005.8
60°	1054.5	1038.9	998.1	949.4	921.2
62.5°	956.2	943.6	906.6	860.9	836.6
65°	853.1	843.4	812.3	770.4	748.1
67.5°	748.1	744.2	716.0	680.0	660.5
70°	643.0	644.9	621.6	589.5	573.0
72.5°	540.9	547.7	529.2	502.9	491.2
75°	445.5	456.2	442.6	422.2	410.5
77.5°	357.0	371.6	359.9	344.4	334.6
80°	289.9	288.9	284.0	272.4	263.6
82.5°	208.2	212.1	209.1	202.3	197.5
85°	135.2	142.0	141.1	138.1	132.3
87.5°	67.1	74.9	75.9	73.9	71.0
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	16.4	18.1	16.7	18.4	18.7	15.7	17.4	16.1	17.8	18.1
	3H	18.2	19.8	18.6	20.1	20.5	17.5	19.1	17.9	19.4	19.8
	4H	18.9	20.4	19.3	20.7	21.1	18.2	19.7	18.6	20.0	20.4
	6H	19.4	20.8	19.8	21.1	21.5	18.7	20.1	19.2	20.5	20.9
	8H	19.6	20.9	20.0	21.3	21.7	19.0	20.3	19.4	20.7	21.1
	12H	19.7	21.0	20.2	21.4	21.8	19.1	20.4	19.5	20.8	21.2
4H	2H	17.0	18.5	17.4	18.8	19.2	16.5	17.9	16.9	18.3	18.7
	3H	19.0	20.3	19.4	20.7	21.1	18.5	19.7	18.9	20.1	20.5
	4H	19.8	21.0	20.3	21.4	21.8	19.3	20.4	19.7	20.8	21.3
	6H	20.5	21.5	21.0	22.0	22.4	20.0	21.0	20.4	21.4	21.9
	8H	20.8	21.7	21.2	22.2	22.6	20.2	21.2	20.7	21.6	22.1
	12H	21.0	21.8	21.5	22.3	22.8	20.5	21.3	20.9	21.8	22.2
8H	4H	20.2	21.1	20.6	21.5	22.0	19.7	20.6	20.1	21.0	21.5
	6H	21.0	21.8	21.5	22.3	22.7	20.5	21.3	21.0	21.8	22.2
	8H	21.3	22.0	21.8	22.5	23.0	20.9	21.6	21.4	22.1	22.5
	12H	21.6	22.3	22.1	22.7	23.3	21.2	21.8	21.7	22.3	22.8
12H	4H	20.2	21.1	20.7	21.5	22.0	19.7	20.6	20.2	21.0	21.5
	6H	21.1	21.8	21.6	22.2	22.8	20.6	21.3	21.1	21.8	22.3
	8H	21.5	22.1	22.0	22.6	23.1	21.0	21.6	21.5	22.1	22.7









(END OF REPORT)