

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: P1527146

Luminaire Tested: 24CGTX-65HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527146
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-65HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

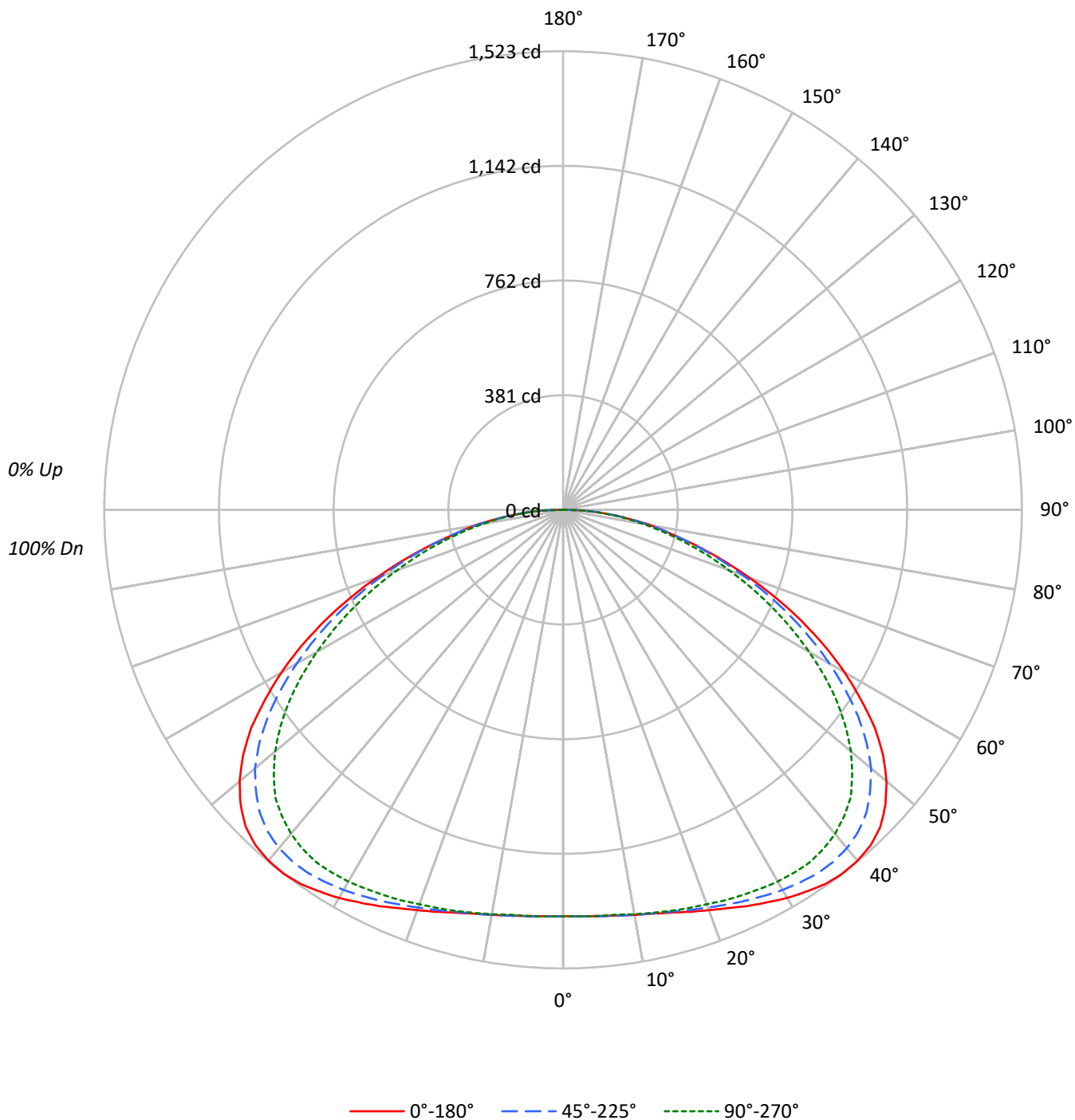
Lumens per Lamp: N/A
Luminaire Lumens: 5708.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.9
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		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°	1816	1816	1816
5°	1828	1830	1828
10°	1866	1866	1863
15°	1929	1925	1920
20°	2025	2013	1995
25°	2155	2127	2095
30°	2312	2264	2215
35°	2492	2420	2346
40°	2672	2575	2467
45°	2834	2709	2570
50°	2934	2794	2611
55°	2966	2804	2604
60°	2904	2748	2537
65°	2779	2646	2437
70°	2589	2502	2306
75°	2370	2354	2184
80°	2298	2252	2091
85°	2137	2228	2090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 55°
Luminance: 2966 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	2.3
10°-20°	392.7	6.9
20°-30°	663.2	11.6
30°-40°	922.6	16.2
40°-50°	1092.1	19.1
50°-60°	1059.5	18.6
60°-70°	816.3	14.3
70°-80°	476.3	8.3
80°-90°	155.7	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°	1185.5	20.8
0°-40°	2108.1	36.9
0°-60°	4259.7	74.6
0°-90°	5708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1354	1355	1355	1355	1354	130
15°	1385	1385	1382	1379	1379	394
25°	1451	1445	1432	1418	1412	673
35°	1517	1504	1473	1442	1428	950
45°	1489	1469	1424	1375	1351	1144
55°	1264	1242	1196	1140	1110	1122
65°	873	863	831	788	766	862
75°	456	467	453	432	420	488
85°	138	145	144	141	135	155
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1349.8	1349.8	1349.8	1349.8	1349.8
2.5°	1350.8	1351.8	1351.8	1351.8	1351.8
5°	1353.8	1354.8	1354.8	1354.8	1353.8
7.5°	1358.8	1358.8	1359.8	1358.8	1355.8
10°	1365.7	1365.7	1365.7	1364.7	1363.7
12.5°	1373.7	1374.7	1372.7	1371.7	1370.7
15°	1384.6	1384.6	1381.7	1378.7	1378.7
17.5°	1399.6	1397.6	1393.6	1388.6	1386.6
20°	1414.5	1412.5	1405.6	1397.6	1393.6
22.5°	1431.4	1427.5	1418.5	1407.5	1403.6
25°	1451.3	1445.4	1432.4	1417.5	1411.5
27.5°	1469.3	1461.3	1445.4	1428.4	1418.5
30°	1488.2	1478.2	1457.3	1435.4	1425.5
32.5°	1503.1	1493.1	1466.3	1441.4	1428.4
35°	1517.0	1504.1	1473.2	1442.4	1428.4
37.5°	1523.0	1509.1	1473.2	1437.4	1419.5
40°	1521.0	1506.1	1466.3	1425.5	1404.6
42.5°	1511.1	1493.1	1450.3	1404.6	1380.7
45°	1489.2	1469.3	1423.5	1374.7	1350.8
47.5°	1451.3	1431.4	1382.7	1330.9	1302.0
50°	1401.6	1380.7	1334.9	1277.1	1247.3
52.5°	1338.9	1318.0	1270.2	1211.4	1182.6
55°	1264.2	1242.3	1195.5	1139.8	1109.9
57.5°	1172.6	1156.7	1110.9	1058.1	1029.3
60°	1079.0	1063.1	1021.3	971.5	942.7
62.5°	978.5	965.6	927.7	881.0	856.1
65°	873.0	863.0	831.2	788.4	765.5
67.5°	765.5	761.5	732.6	695.8	675.9
70°	658.0	660.0	636.1	603.2	586.3
72.5°	553.5	560.4	541.5	514.6	502.7
75°	455.9	466.9	452.9	432.0	420.1
77.5°	365.3	380.3	368.3	352.4	342.4
80°	296.6	295.6	290.7	278.7	269.8
82.5°	213.0	217.0	214.0	207.1	202.1
85°	138.4	145.3	144.3	141.4	135.4
87.5°	68.7	76.6	77.6	75.7	72.7
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	16.5	18.2	16.8	18.5	18.8	15.8	17.5	16.2	17.8	18.2
	3H	18.3	19.9	18.7	20.2	20.5	17.6	19.2	18.0	19.5	19.8
	4H	19.0	20.4	19.3	20.8	21.2	18.3	19.8	18.7	20.1	20.5
	6H	19.5	20.9	19.9	21.2	21.6	18.8	20.2	19.2	20.6	21.0
	8H	19.7	21.0	20.1	21.4	21.8	19.0	20.4	19.5	20.7	21.1
	12H	19.8	21.1	20.2	21.5	21.9	19.2	20.5	19.6	20.9	21.3
4H	2H	17.1	18.6	17.5	18.9	19.3	16.5	18.0	16.9	18.4	18.7
	3H	19.1	20.4	19.5	20.8	21.2	18.5	19.8	18.9	20.2	20.6
	4H	19.9	21.1	20.4	21.5	21.9	19.4	20.5	19.8	20.9	21.3
	6H	20.6	21.6	21.1	22.0	22.5	20.0	21.1	20.5	21.5	21.9
	8H	20.9	21.8	21.3	22.2	22.7	20.3	21.3	20.8	21.7	22.2
	12H	21.1	21.9	21.5	22.4	22.9	20.5	21.4	21.0	21.9	22.3
8H	4H	20.2	21.2	20.7	21.6	22.1	19.7	20.7	20.2	21.1	21.6
	6H	21.1	21.9	21.6	22.3	22.8	20.6	21.4	21.1	21.9	22.3
	8H	21.4	22.1	21.9	22.6	23.1	20.9	21.6	21.4	22.1	22.6
	12H	21.7	22.3	22.2	22.8	23.4	21.3	21.9	21.8	22.4	22.9
12H	4H	20.3	21.1	20.8	21.6	22.1	19.8	20.7	20.3	21.1	21.6
	6H	21.2	21.9	21.7	22.3	22.9	20.7	21.4	21.2	21.9	22.4
	8H	21.5	22.2	22.0	22.7	23.2	21.1	21.7	21.6	22.2	22.8















(END OF REPORT)