

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: P1527145

Luminaire Tested: 24CGTX-65HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527145
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

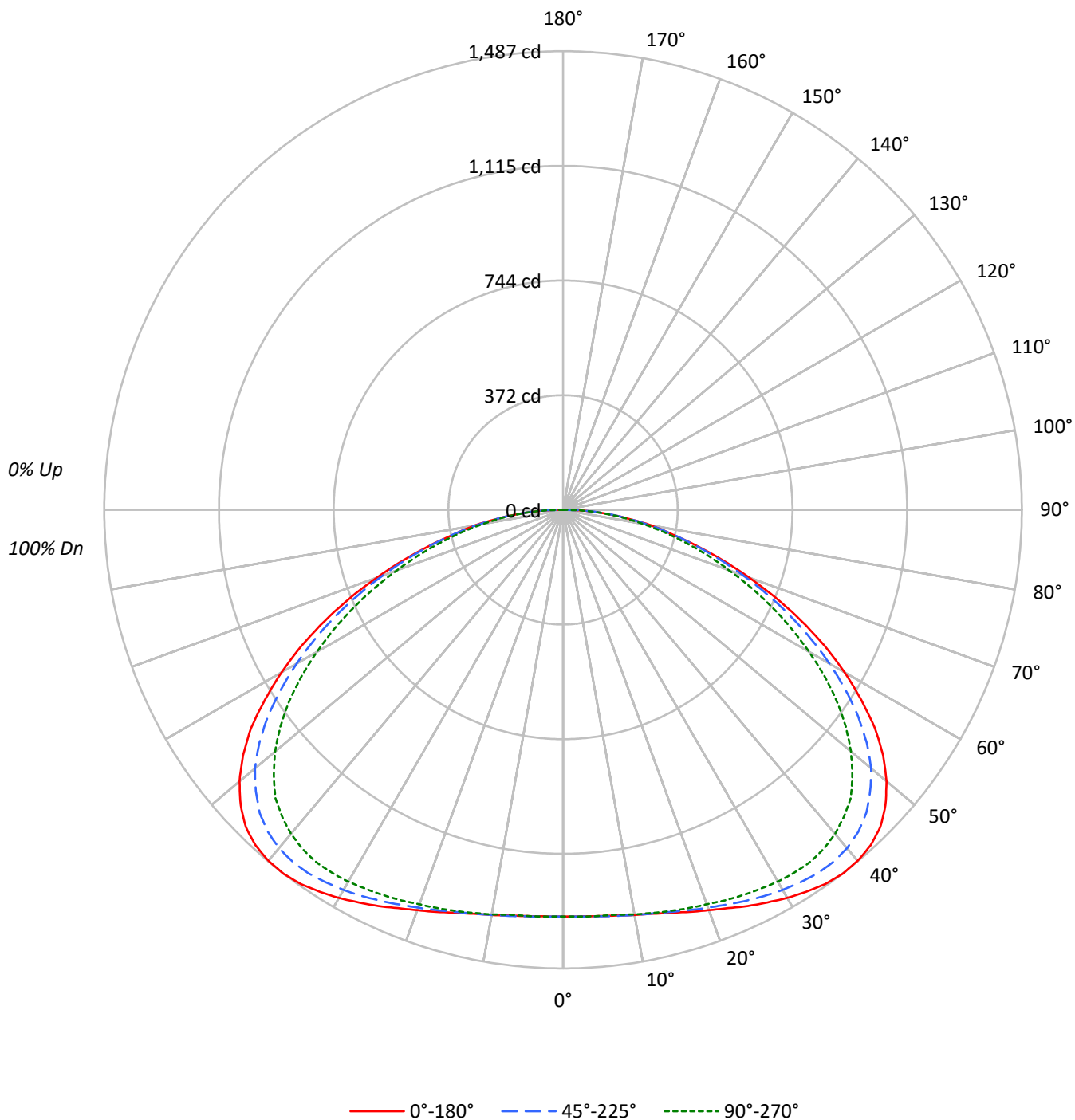
Lumens per Lamp: N/A
Luminaire Lumens: 5574.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1773	1773	1773
5°	1786	1787	1786
10°	1822	1822	1819
15°	1883	1879	1875
20°	1978	1965	1949
25°	2104	2077	2046
30°	2258	2211	2163
35°	2433	2363	2291
40°	2609	2515	2409
45°	2767	2645	2510
50°	2865	2728	2550
55°	2896	2738	2543
60°	2835	2684	2477
65°	2714	2584	2380
70°	2528	2443	2252
75°	2314	2299	2132
80°	2245	2199	2041
85°	2086	2175	2041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 2896 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	2.3
10°-20°	383.5	6.9
20°-30°	647.6	11.6
30°-40°	900.9	16.2
40°-50°	1066.5	19.1
50°-60°	1034.6	18.6
60°-70°	797.2	14.3
70°-80°	465.1	8.3
80°-90°	152.0	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°	1157.7	20.8
0°-40°	2058.6	36.9
0°-60°	4159.7	74.6
0°-90°	5574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1322	1323	1323	1323	1322	127
15°	1352	1352	1349	1346	1346	385
25°	1417	1411	1399	1384	1378	657
35°	1481	1469	1439	1408	1395	928
45°	1454	1435	1390	1342	1319	1117
55°	1234	1213	1167	1113	1084	1096
65°	852	843	812	770	748	842
75°	445	456	442	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°	1318.1	1318.1	1318.1	1318.1	1318.1
2.5°	1319.1	1320.1	1320.1	1320.1	1320.1
5°	1322.0	1323.0	1323.0	1323.0	1322.0
7.5°	1326.9	1326.9	1327.8	1326.9	1324.0
10°	1333.7	1333.7	1333.7	1332.7	1331.7
12.5°	1341.4	1342.4	1340.5	1339.5	1338.5
15°	1352.1	1352.1	1349.2	1346.3	1346.3
17.5°	1366.7	1364.8	1360.9	1356.0	1354.1
20°	1381.3	1379.4	1372.6	1364.8	1360.9
22.5°	1397.8	1393.9	1385.2	1374.5	1370.6
25°	1417.3	1411.4	1398.8	1384.2	1378.4
27.5°	1434.8	1427.0	1411.4	1394.9	1385.2
30°	1453.2	1443.5	1423.1	1401.7	1392.0
32.5°	1467.8	1458.1	1431.9	1407.5	1394.9
35°	1481.4	1468.8	1438.7	1408.5	1394.9
37.5°	1487.3	1473.6	1438.7	1403.7	1386.2
40°	1485.3	1470.7	1431.9	1392.0	1371.6
42.5°	1475.6	1458.1	1416.3	1371.6	1348.3
45°	1454.2	1434.8	1390.1	1342.4	1319.1
47.5°	1417.3	1397.8	1350.2	1299.7	1271.5
50°	1368.7	1348.3	1303.5	1247.2	1218.0
52.5°	1307.4	1287.0	1240.4	1183.0	1154.8
55°	1234.5	1213.1	1167.4	1113.0	1083.9
57.5°	1145.1	1129.5	1084.8	1033.3	1005.1
60°	1053.7	1038.2	997.3	948.7	920.5
62.5°	955.5	942.9	906.0	860.3	836.0
65°	852.5	842.8	811.7	769.9	747.5
67.5°	747.5	743.6	715.4	679.5	660.0
70°	642.5	644.5	621.1	589.1	572.5
72.5°	540.5	547.3	528.8	502.6	490.9
75°	445.2	455.9	442.3	421.9	410.2
77.5°	356.7	371.3	359.7	344.1	334.4
80°	289.7	288.7	283.8	272.2	263.4
82.5°	208.0	211.9	209.0	202.2	197.3
85°	135.1	141.9	140.9	138.0	132.2
87.5°	67.1	74.8	75.8	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	16.8	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)