

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: P1526930

Luminaire Tested: 24CGTX-65HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-65HE-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

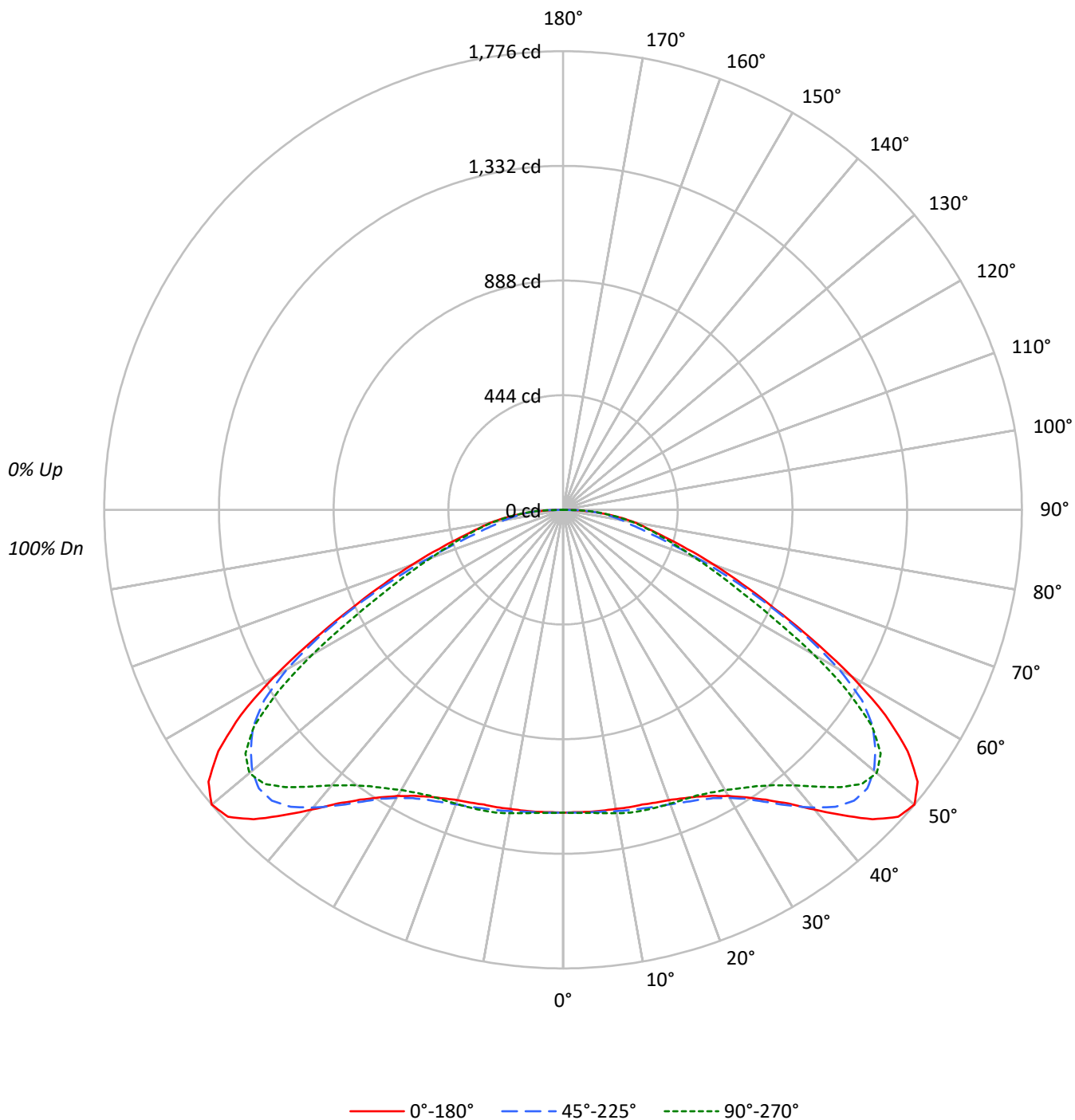
Lumens per Lamp: N/A
Luminaire Lumens: 5853.7 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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
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	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66		
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54		
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44		
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37		
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31		
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27		
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23		
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20		
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1578	1578	1578
5°	1585	1588	1591
10°	1606	1619	1630
15°	1646	1667	1679
20°	1712	1737	1734
25°	1819	1840	1813
30°	1987	2001	1946
35°	2251	2271	2146
40°	2661	2644	2446
45°	3225	3032	2889
50°	3717	3288	3318
55°	3821	3435	3424
60°	3472	3319	3014
65°	2872	2820	2459
70°	2452	2209	2137
75°	2124	1760	2023
80°	2199	1783	2128
85°	2221	2144	2362

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	1.9
10°-20°	339.4	5.8
20°-30°	573.3	9.8
30°-40°	863.0	14.7
40°-50°	1227.2	21.0
50°-60°	1317.0	22.5
60°-70°	858.3	14.7
70°-80°	412.7	7.1
80°-90°	150.2	2.6
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°	1025.3	17.5
0°-40°	1888.3	32.3
0°-60°	4432.5	75.7
0°-90°	5853.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5853.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1173	1173	1173	1173	1173	
5°	1174	1175	1176	1180	1178	112
15°	1182	1188	1197	1204	1205	336
25°	1225	1236	1240	1228	1221	571
35°	1370	1397	1382	1336	1306	870
45°	1695	1653	1593	1552	1518	1301
55°	1629	1587	1464	1422	1460	1425
65°	902	895	886	790	772	913
75°	408	386	338	385	389	449
85°	144	135	139	143	153	157
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1172.6	1172.6	1172.6	1172.6	1172.6
2.5°	1171.6	1172.6	1173.7	1174.7	1174.7
5°	1173.7	1174.7	1175.7	1179.7	1177.7
7.5°	1174.7	1175.7	1178.7	1184.8	1184.8
10°	1175.7	1178.7	1184.8	1190.9	1192.9
12.5°	1179.7	1182.8	1190.9	1199.0	1201.0
15°	1181.8	1187.9	1197.0	1204.1	1205.1
17.5°	1188.9	1194.9	1205.1	1208.1	1208.1
20°	1196.0	1204.1	1213.2	1213.2	1211.2
22.5°	1209.1	1218.3	1225.4	1219.3	1215.2
25°	1225.4	1236.5	1239.5	1228.4	1221.3
27.5°	1248.7	1262.9	1258.8	1243.6	1234.5
30°	1279.1	1297.3	1288.2	1265.9	1252.7
32.5°	1319.6	1341.9	1326.7	1298.3	1278.1
35°	1370.3	1396.6	1382.4	1335.8	1306.4
37.5°	1433.1	1460.5	1443.3	1383.5	1343.9
40°	1515.2	1529.4	1505.1	1440.2	1392.6
42.5°	1604.4	1597.3	1559.8	1500.0	1453.4
45°	1694.6	1653.1	1593.3	1551.7	1518.3
47.5°	1759.5	1682.5	1597.3	1576.0	1570.0
50°	1775.7	1676.4	1571.0	1562.9	1585.2
52.5°	1730.1	1643.9	1523.3	1509.1	1549.7
55°	1628.7	1587.2	1464.5	1422.0	1459.5
57.5°	1479.7	1476.7	1371.3	1295.3	1305.4
60°	1290.2	1302.4	1233.5	1126.0	1119.9
62.5°	1085.5	1092.6	1062.2	950.7	929.4
65°	902.0	894.9	885.8	790.5	772.3
67.5°	751.0	729.7	715.5	657.8	648.7
70°	623.3	589.9	561.5	552.4	543.2
72.5°	504.7	480.4	434.8	460.1	459.1
75°	408.5	386.2	338.5	385.1	389.2
77.5°	334.5	319.3	273.7	316.2	329.4
80°	283.8	252.4	230.1	257.4	274.7
82.5°	216.9	192.6	187.5	198.7	214.9
85°	143.9	134.8	138.9	142.9	153.0
87.5°	73.0	78.0	84.1	91.2	96.3
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	18.0	19.8	18.3	20.1	20.4	17.1	18.9	17.4	19.2	19.5
	3H	19.1	20.7	19.5	21.0	21.4	18.2	19.8	18.6	20.1	20.5
	4H	19.5	21.0	19.9	21.3	21.7	18.7	20.2	19.1	20.5	20.9
	6H	19.8	21.3	20.2	21.6	22.0	19.1	20.5	19.5	20.9	21.3
	8H	20.0	21.3	20.4	21.7	22.1	19.3	20.7	19.7	21.0	21.4
	12H	20.1	21.4	20.6	21.8	22.2	19.5	20.8	19.9	21.2	21.6
4H	2H	18.4	19.9	18.8	20.3	20.6	17.6	19.2	18.0	19.5	19.9
	3H	19.7	21.0	20.1	21.3	21.7	19.0	20.2	19.4	20.6	21.0
	4H	20.2	21.3	20.6	21.7	22.2	19.5	20.7	20.0	21.1	21.5
	6H	20.7	21.7	21.1	22.1	22.6	20.1	21.1	20.6	21.6	22.0
	8H	20.9	21.8	21.3	22.3	22.7	20.4	21.3	20.8	21.8	22.2
	12H	21.1	21.9	21.6	22.4	22.9	20.6	21.5	21.1	22.0	22.4
8H	4H	20.3	21.3	20.8	21.7	22.2	19.7	20.7	20.2	21.1	21.6
	6H	20.9	21.7	21.4	22.2	22.7	20.4	21.2	20.9	21.7	22.2
	8H	21.2	22.0	21.7	22.5	22.9	20.8	21.5	21.3	22.0	22.5
	12H	21.5	22.2	22.0	22.7	23.2	21.2	21.8	21.7	22.3	22.8
12H	4H	20.4	21.2	20.8	21.7	22.2	19.8	20.6	20.3	21.1	21.6
	6H	21.0	21.7	21.5	22.2	22.7	20.5	21.2	21.0	21.7	22.2
	8H	21.3	22.0	21.8	22.5	23.0	20.9	21.6	21.4	22.1	22.6













(END OF REPORT)