

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: P1526883

Luminaire Tested: 24CGTX-35HE-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526883
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-35HE-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

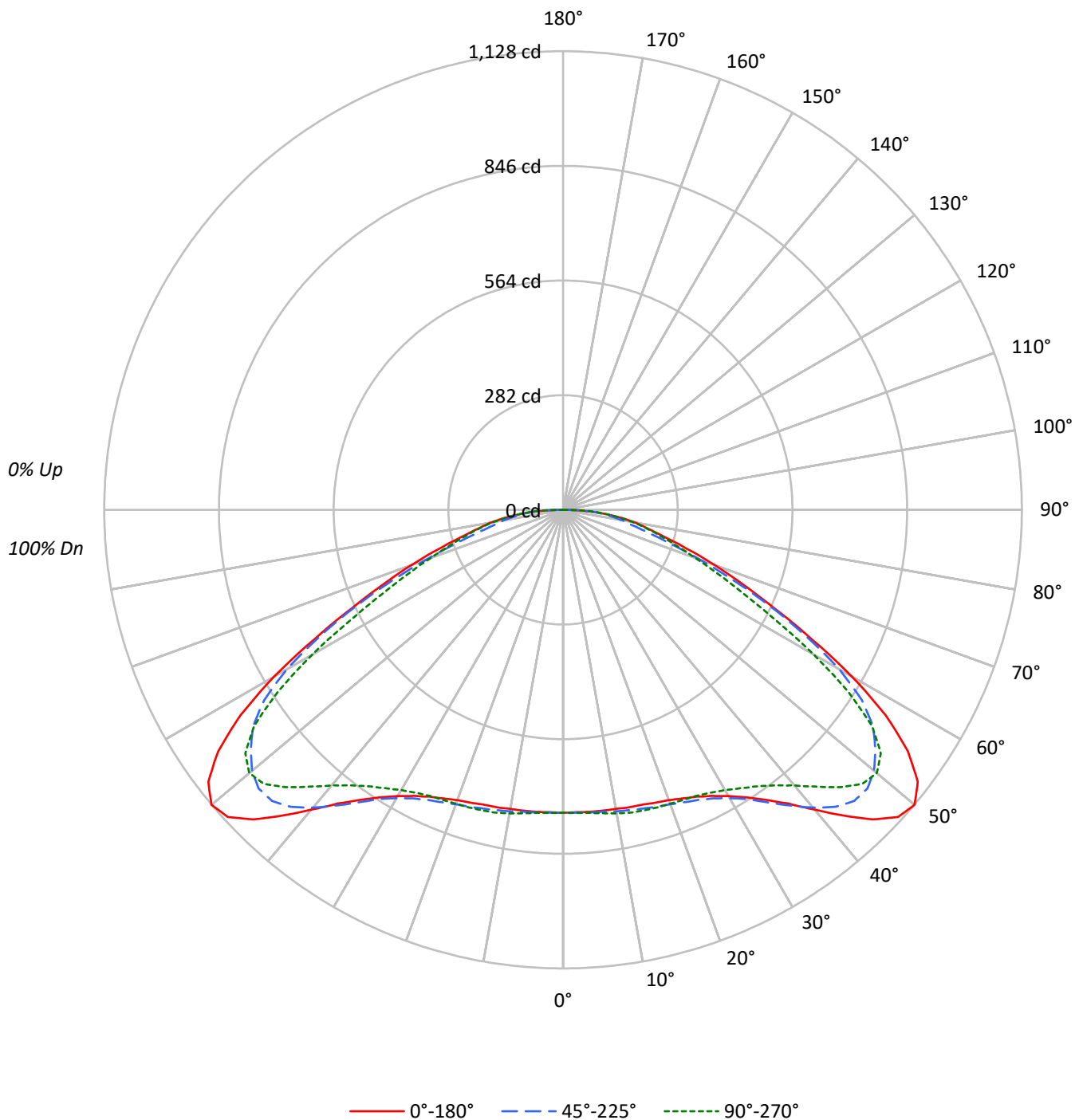
Lumens per Lamp: N/A
Luminaire Lumens: 3719.1 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
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	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	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°	1002	1002	1002
5°	1007	1009	1011
10°	1021	1029	1035
15°	1046	1059	1066
20°	1088	1104	1102
25°	1156	1169	1152
30°	1263	1271	1237
35°	1430	1443	1363
40°	1691	1680	1554
45°	2049	1926	1835
50°	2362	2089	2108
55°	2427	2183	2175
60°	2206	2109	1915
65°	1825	1792	1562
70°	1558	1403	1358
75°	1349	1118	1286
80°	1397	1133	1352
85°	1411	1362	1501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2429 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.9
10°-20°	215.6	5.8
20°-30°	364.2	9.8
30°-40°	548.3	14.7
40°-50°	779.7	21.0
50°-60°	836.8	22.5
60°-70°	545.3	14.7
70°-80°	262.2	7.1
80°-90°	95.4	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°	651.4	17.5
0°-40°	1199.7	32.3
0°-60°	2816.2	75.7
0°-90°	3719.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3719.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	746	746	747	750	748	71
15°	751	755	760	765	766	213
25°	778	786	788	780	776	362
35°	871	887	878	849	830	553
45°	1077	1050	1012	986	965	827
55°	1035	1008	930	903	927	905
65°	573	569	563	502	491	580
75°	260	245	215	245	247	285
85°	91	86	88	91	97	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	745.0	745.0	745.0	745.0	745.0
2.5°	744.4	745.0	745.7	746.3	746.3
5°	745.7	746.3	747.0	749.5	748.3
7.5°	746.3	747.0	748.9	752.8	752.8
10°	747.0	748.9	752.8	756.6	757.9
12.5°	749.5	751.5	756.6	761.8	763.1
15°	750.8	754.7	760.5	765.0	765.6
17.5°	755.3	759.2	765.6	767.6	767.6
20°	759.8	765.0	770.8	770.8	769.5
22.5°	768.2	774.0	778.5	774.7	772.1
25°	778.5	785.6	787.5	780.5	775.9
27.5°	793.3	802.3	799.8	790.1	784.3
30°	812.7	824.2	818.4	804.3	795.9
32.5°	838.4	852.6	842.9	824.9	812.0
35°	870.6	887.3	878.3	848.7	830.0
37.5°	910.5	927.9	917.0	879.0	853.9
40°	962.7	971.7	956.3	915.0	884.8
42.5°	1019.4	1014.8	991.0	953.0	923.4
45°	1076.7	1050.3	1012.3	985.9	964.6
47.5°	1117.9	1068.9	1014.8	1001.3	997.5
50°	1128.2	1065.1	998.1	993.0	1007.1
52.5°	1099.2	1044.5	967.8	958.8	984.6
55°	1034.8	1008.4	930.5	903.4	927.3
57.5°	940.2	938.2	871.3	823.0	829.4
60°	819.7	827.5	783.7	715.4	711.6
62.5°	689.7	694.2	674.8	604.0	590.5
65°	573.1	568.6	562.8	502.3	490.7
67.5°	477.2	463.6	454.6	417.9	412.1
70°	396.0	374.8	356.7	350.9	345.2
72.5°	320.7	305.2	276.3	292.3	291.7
75°	259.5	245.3	215.1	244.7	247.3
77.5°	212.5	202.8	173.9	200.9	209.3
80°	180.3	160.3	146.2	163.6	174.5
82.5°	137.8	122.3	119.1	126.2	136.5
85°	91.4	85.6	88.2	90.8	97.2
87.5°	46.4	49.6	53.4	58.0	61.2
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	18.2	16.8	18.5	18.8	15.5	17.3	15.9	17.6	17.9
	3H	17.5	19.1	17.9	19.4	19.8	16.6	18.2	17.0	18.6	18.9
	4H	17.9	19.4	18.3	19.8	20.1	17.1	18.6	17.5	19.0	19.3
	6H	18.3	19.7	18.7	20.0	20.4	17.5	19.0	17.9	19.3	19.7
	8H	18.4	19.8	18.8	20.2	20.6	17.7	19.1	18.2	19.5	19.9
	12H	18.5	19.8	19.0	20.2	20.7	17.9	19.2	18.3	19.6	20.0
4H	2H	16.8	18.3	17.2	18.7	19.1	16.1	17.6	16.5	17.9	18.3
	3H	18.1	19.4	18.5	19.8	20.2	17.4	18.7	17.8	19.1	19.4
	4H	18.6	19.8	19.0	20.2	20.6	18.0	19.1	18.4	19.5	20.0
	6H	19.1	20.1	19.5	20.5	21.0	18.5	19.6	19.0	20.0	20.4
	8H	19.3	20.3	19.8	20.7	21.2	18.8	19.7	19.3	20.2	20.7
	12H	19.5	20.4	20.0	20.8	21.3	19.0	19.9	19.5	20.4	20.8
8H	4H	18.8	19.7	19.2	20.2	20.6	18.2	19.1	18.6	19.6	20.0
	6H	19.4	20.2	19.8	20.6	21.1	18.9	19.7	19.4	20.2	20.6
	8H	19.7	20.4	20.2	20.9	21.4	19.2	19.9	19.7	20.4	20.9
	12H	19.9	20.6	20.5	21.1	21.6	19.6	20.2	20.1	20.7	21.3
12H	4H	18.8	19.7	19.3	20.1	20.6	18.2	19.1	18.7	19.5	20.0
	6H	19.4	20.1	19.9	20.6	21.1	18.9	19.7	19.5	20.1	20.7
	8H	19.8	20.4	20.3	20.9	21.4	19.3	20.0	19.8	20.5	21.0















(END OF REPORT)