

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: P1526814

Luminaire Tested: 22CGTX-35HE-A125-L830

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-35HE-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

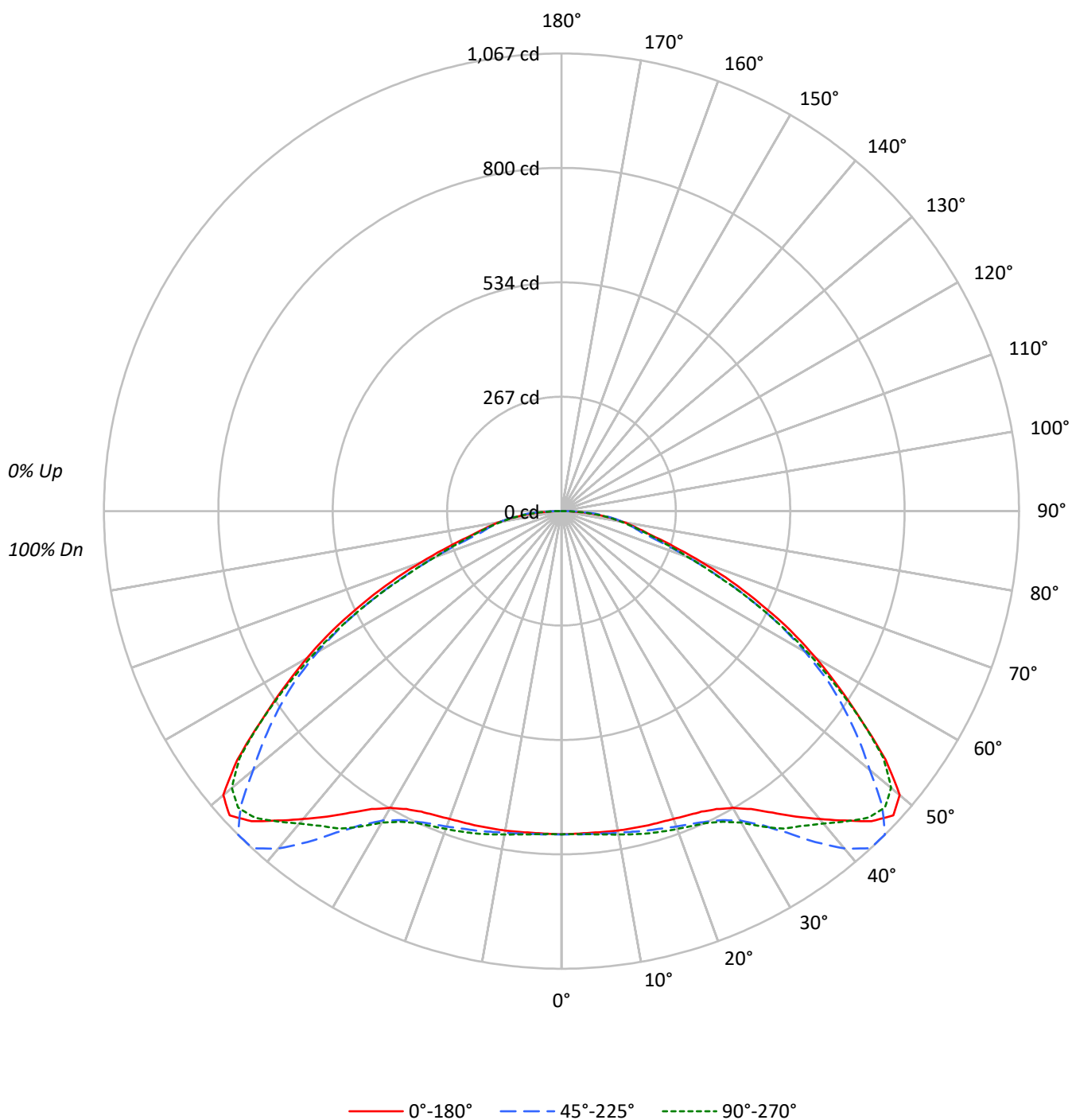
Lumens per Lamp: N/A
Luminaire Lumens: 3565.2 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2028	2028	2028
5°	2034	2041	2043
10°	2066	2081	2092
15°	2116	2148	2167
20°	2187	2241	2258
25°	2295	2371	2381
30°	2482	2588	2605
35°	2818	3004	2969
40°	3290	3607	3340
45°	3890	4059	3847
50°	4310	3927	4201
55°	4019	3782	4016
60°	3689	3530	3595
65°	3263	3079	3074
70°	2734	2463	2469
75°	2248	2016	2177
80°	2286	2275	2180
85°	2245	2702	2288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 4310 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	2.0
10°-20°	218.5	6.1
20°-30°	369.4	10.4
30°-40°	568.1	15.9
40°-50°	789.5	22.1
50°-60°	743.2	20.8
60°-70°	490.8	13.8
70°-80°	228.1	6.4
80°-90°	85.4	2.4
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°	660.3	18.5
0°-40°	1228.3	34.5
0°-60°	2761.0	77.4
0°-90°	3565.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3565.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	753	755	756	757	756	72
15°	760	763	771	776	778	215
25°	773	783	799	803	802	360
35°	858	888	914	911	904	543
45°	1022	1059	1067	1041	1011	782
55°	857	844	806	834	856	767
65°	512	508	484	491	483	509
75°	216	208	194	200	209	242
85°	73	84	88	85	74	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	753.5	753.5	753.5	753.5	753.5
2.5°	752.9	754.2	754.9	755.6	753.5
5°	752.9	754.9	755.6	756.9	756.2
7.5°	754.2	756.2	758.2	759.6	760.3
10°	756.2	758.2	761.6	765.7	765.7
12.5°	757.6	760.9	765.7	771.0	771.7
15°	759.6	763.0	771.0	776.4	777.8
17.5°	760.9	766.3	775.8	782.5	783.2
20°	763.6	769.7	782.5	788.5	788.5
22.5°	767.7	775.8	789.2	794.6	794.6
25°	773.1	783.2	798.7	803.4	802.0
27.5°	783.2	795.3	812.1	817.5	816.2
30°	798.7	814.8	833.0	839.7	838.4
32.5°	823.6	843.8	866.7	872.7	872.1
35°	857.9	888.2	914.5	911.1	903.7
37.5°	897.6	942.8	972.4	940.7	924.6
40°	936.7	998.0	1026.9	975.8	950.8
42.5°	978.4	1041.1	1066.0	1016.2	981.1
45°	1022.2	1058.6	1066.7	1041.1	1010.8
47.5°	1049.8	1031.0	1013.5	1029.0	1022.9
50°	1029.6	966.3	938.0	967.7	1003.4
52.5°	952.9	906.4	873.4	901.0	946.1
55°	856.6	844.4	806.1	833.7	855.9
57.5°	768.3	777.8	736.0	756.9	760.3
60°	685.5	692.3	655.9	673.4	668.0
62.5°	601.3	602.0	573.7	583.8	575.8
65°	512.5	507.7	483.5	490.9	482.8
67.5°	429.0	418.2	395.3	398.7	391.2
70°	347.5	334.7	313.1	317.8	313.8
72.5°	274.7	264.6	245.8	251.9	255.9
75°	216.2	208.1	193.9	200.0	209.4
77.5°	179.1	169.0	170.4	166.3	173.1
80°	147.5	141.4	146.8	142.8	140.7
82.5°	109.8	115.8	117.8	119.9	109.8
85°	72.7	83.5	87.5	84.8	74.1
87.5°	35.7	45.1	46.5	45.8	38.4
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	17.7	19.4	18.0	19.7	20.1	17.5	19.3	17.9	19.6	19.9
	3H	19.0	20.5	19.3	20.9	21.2	18.7	20.3	19.1	20.6	20.9
	4H	19.3	20.8	19.7	21.2	21.6	19.1	20.6	19.5	20.9	21.3
	6H	19.7	21.1	20.1	21.4	21.8	19.4	20.8	19.8	21.2	21.6
	8H	19.8	21.2	20.3	21.6	22.0	19.6	20.9	20.0	21.3	21.7
	12H	20.0	21.2	20.4	21.6	22.0	19.7	21.0	20.1	21.4	21.8
4H	2H	18.1	19.6	18.5	20.0	20.3	18.0	19.5	18.4	19.8	20.2
	3H	19.6	20.8	20.0	21.2	21.6	19.3	20.6	19.7	21.0	21.4
	4H	20.1	21.2	20.5	21.6	22.0	19.8	21.0	20.2	21.4	21.8
	6H	20.5	21.5	21.0	22.0	22.4	20.3	21.3	20.8	21.7	22.2
	8H	20.8	21.7	21.2	22.1	22.6	20.5	21.5	21.0	21.9	22.4
	12H	20.9	21.8	21.4	22.3	22.7	20.7	21.6	21.2	22.1	22.5
8H	4H	20.3	21.2	20.7	21.6	22.1	20.0	21.0	20.5	21.4	21.9
	6H	20.9	21.6	21.4	22.1	22.6	20.7	21.4	21.1	21.9	22.4
	8H	21.2	21.9	21.7	22.4	22.9	21.0	21.7	21.5	22.2	22.7
	12H	21.5	22.1	22.0	22.6	23.1	21.3	21.9	21.8	22.4	23.0
12H	4H	20.3	21.1	20.8	21.6	22.1	20.1	20.9	20.5	21.4	21.8
	6H	20.9	21.6	21.5	22.1	22.6	20.7	21.4	21.3	21.9	22.4
	8H	21.3	21.9	21.8	22.4	23.0	21.1	21.8	21.6	22.3	22.8













(END OF REPORT)