

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: P1526815

Luminaire Tested: 22CGTX-35HE-A125-L835

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526815
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

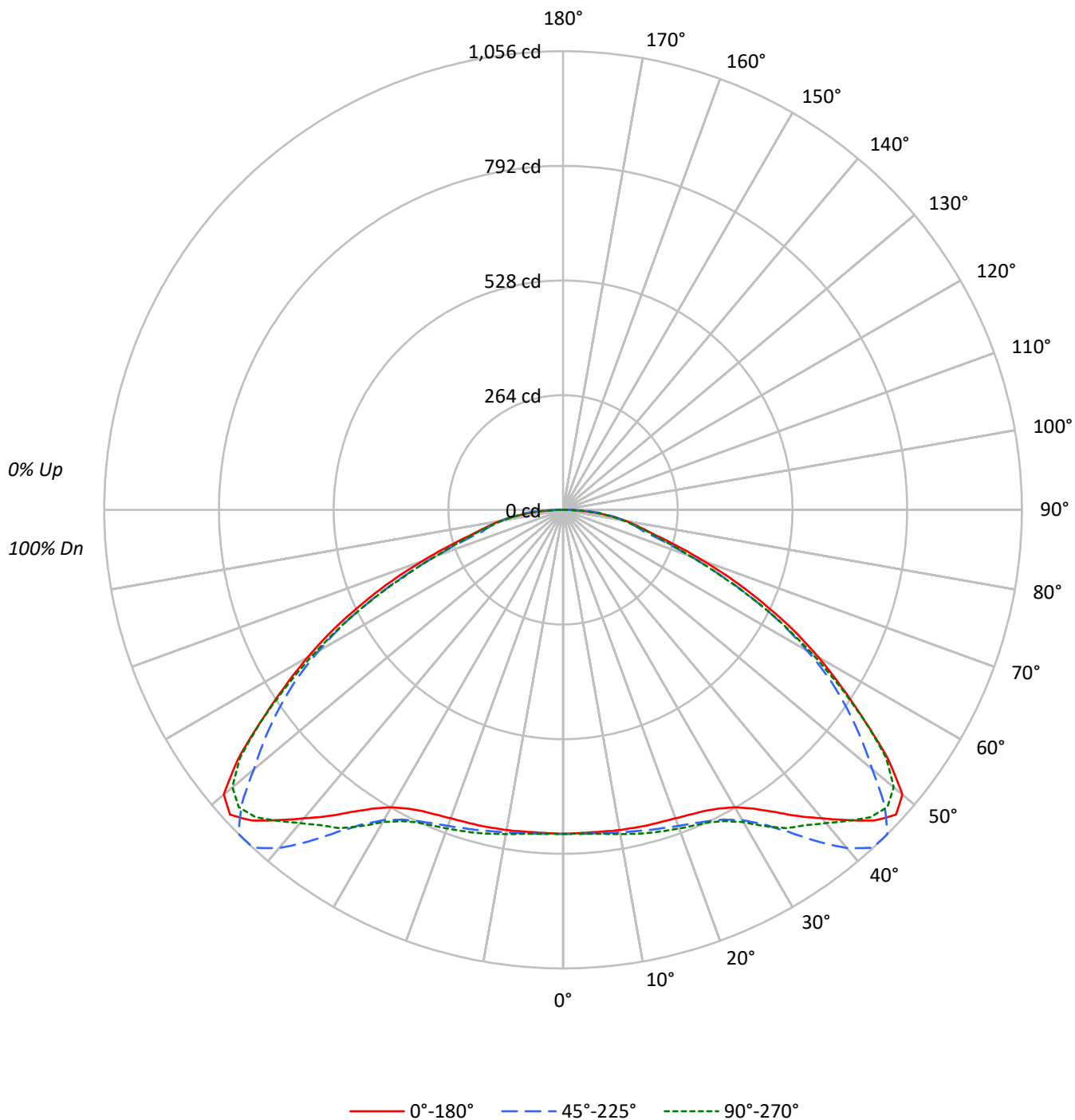
Lumens per Lamp: N/A
Luminaire Lumens: 3529.6 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			
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°	2007	2007	2007
5°	2013	2021	2022
10°	2046	2060	2071
15°	2095	2126	2145
20°	2165	2218	2236
25°	2272	2348	2358
30°	2457	2563	2579
35°	2790	2974	2939
40°	3257	3571	3307
45°	3851	4019	3808
50°	4267	3888	4158
55°	3978	3744	3975
60°	3653	3495	3559
65°	3230	3048	3044
70°	2707	2439	2445
75°	2225	1996	2155
80°	2263	2252	2159
85°	2223	2677	2263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 4267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	2.0
10°-20°	216.3	6.1
20°-30°	365.7	10.4
30°-40°	562.4	15.9
40°-50°	781.6	22.1
50°-60°	735.7	20.8
60°-70°	485.9	13.8
70°-80°	225.8	6.4
80°-90°	84.5	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°	653.7	18.5
0°-40°	1216.0	34.5
0°-60°	2733.4	77.4
0°-90°	3529.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3529.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	745	747	748	749	749	71
15°	752	755	763	769	770	213
25°	765	775	791	795	794	356
35°	849	879	905	902	895	538
45°	1012	1048	1056	1031	1001	774
55°	848	836	798	825	847	760
65°	507	503	479	486	478	504
75°	214	206	192	198	207	239
85°	72	83	87	84	73	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.0	746.0	746.0	746.0	746.0
2.5°	745.3	746.7	747.3	748.0	746.0
5°	745.3	747.3	748.0	749.3	748.7
7.5°	746.7	748.7	750.7	752.0	752.7
10°	748.7	750.7	754.0	758.0	758.0
12.5°	750.0	753.3	758.0	763.3	764.0
15°	752.0	755.3	763.3	768.7	770.0
17.5°	753.3	758.7	768.0	774.7	775.3
20°	756.0	762.0	774.7	780.7	780.7
22.5°	760.0	768.0	781.3	786.7	786.7
25°	765.3	775.3	790.7	795.3	794.0
27.5°	775.3	787.3	804.0	809.3	808.0
30°	790.7	806.7	824.7	831.3	830.0
32.5°	815.3	835.3	858.0	864.0	863.3
35°	849.3	879.3	905.3	902.0	894.7
37.5°	888.7	933.3	962.7	931.3	915.3
40°	927.3	988.0	1016.7	966.0	941.3
42.5°	968.7	1030.7	1055.3	1006.0	971.3
45°	1012.0	1048.0	1056.0	1030.7	1000.7
47.5°	1039.3	1020.7	1003.3	1018.7	1012.7
50°	1019.3	956.7	928.7	958.0	993.3
52.5°	943.3	897.3	864.7	892.0	936.7
55°	848.0	836.0	798.0	825.3	847.3
57.5°	760.7	770.0	728.7	749.3	752.7
60°	678.7	685.3	649.3	666.7	661.3
62.5°	595.3	596.0	568.0	578.0	570.0
65°	507.3	502.7	478.7	486.0	478.0
67.5°	424.7	414.0	391.3	394.7	387.3
70°	344.0	331.3	310.0	314.7	310.7
72.5°	272.0	262.0	243.3	249.3	253.3
75°	214.0	206.0	192.0	198.0	207.3
77.5°	177.3	167.3	168.7	164.7	171.3
80°	146.0	140.0	145.3	141.3	139.3
82.5°	108.7	114.7	116.7	118.7	108.7
85°	72.0	82.7	86.7	84.0	73.3
87.5°	35.3	44.7	46.0	45.3	38.0
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	17.6	19.4	18.0	19.7	20.0	17.5	19.2	17.8	19.5	19.9
	3H	18.9	20.5	19.3	20.8	21.2	18.6	20.2	19.0	20.6	20.9
	4H	19.3	20.8	19.7	21.2	21.5	19.0	20.5	19.4	20.9	21.2
	6H	19.7	21.0	20.1	21.4	21.8	19.4	20.8	19.8	21.1	21.5
	8H	19.8	21.1	20.2	21.5	21.9	19.5	20.9	20.0	21.3	21.7
	12H	19.9	21.2	20.4	21.6	22.0	19.7	20.9	20.1	21.3	21.8
4H	2H	18.1	19.6	18.5	19.9	20.3	18.0	19.4	18.3	19.8	20.2
	3H	19.5	20.8	19.9	21.2	21.6	19.3	20.5	19.7	20.9	21.3
	4H	20.0	21.2	20.5	21.6	22.0	19.8	20.9	20.2	21.3	21.8
	6H	20.5	21.5	21.0	21.9	22.4	20.3	21.3	20.7	21.7	22.2
	8H	20.7	21.7	21.2	22.1	22.6	20.5	21.4	21.0	21.9	22.3
	12H	20.9	21.8	21.4	22.2	22.7	20.7	21.6	21.2	22.0	22.5
8H	4H	20.2	21.1	20.7	21.6	22.1	20.0	20.9	20.4	21.4	21.8
	6H	20.8	21.6	21.3	22.1	22.6	20.6	21.4	21.1	21.9	22.4
	8H	21.1	21.8	21.6	22.3	22.8	21.0	21.7	21.5	22.2	22.6
	12H	21.4	22.1	21.9	22.5	23.1	21.3	21.9	21.8	22.4	23.0
12H	4H	20.2	21.1	20.7	21.6	22.0	20.0	20.9	20.5	21.3	21.8
	6H	20.9	21.6	21.4	22.1	22.6	20.7	21.4	21.2	21.9	22.4
	8H	21.3	21.9	21.8	22.4	22.9	21.1	21.7	21.6	22.2	22.8













(END OF REPORT)