

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: P1526820

Luminaire Tested: 22CGTX-35HE-A125-L940

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526820
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

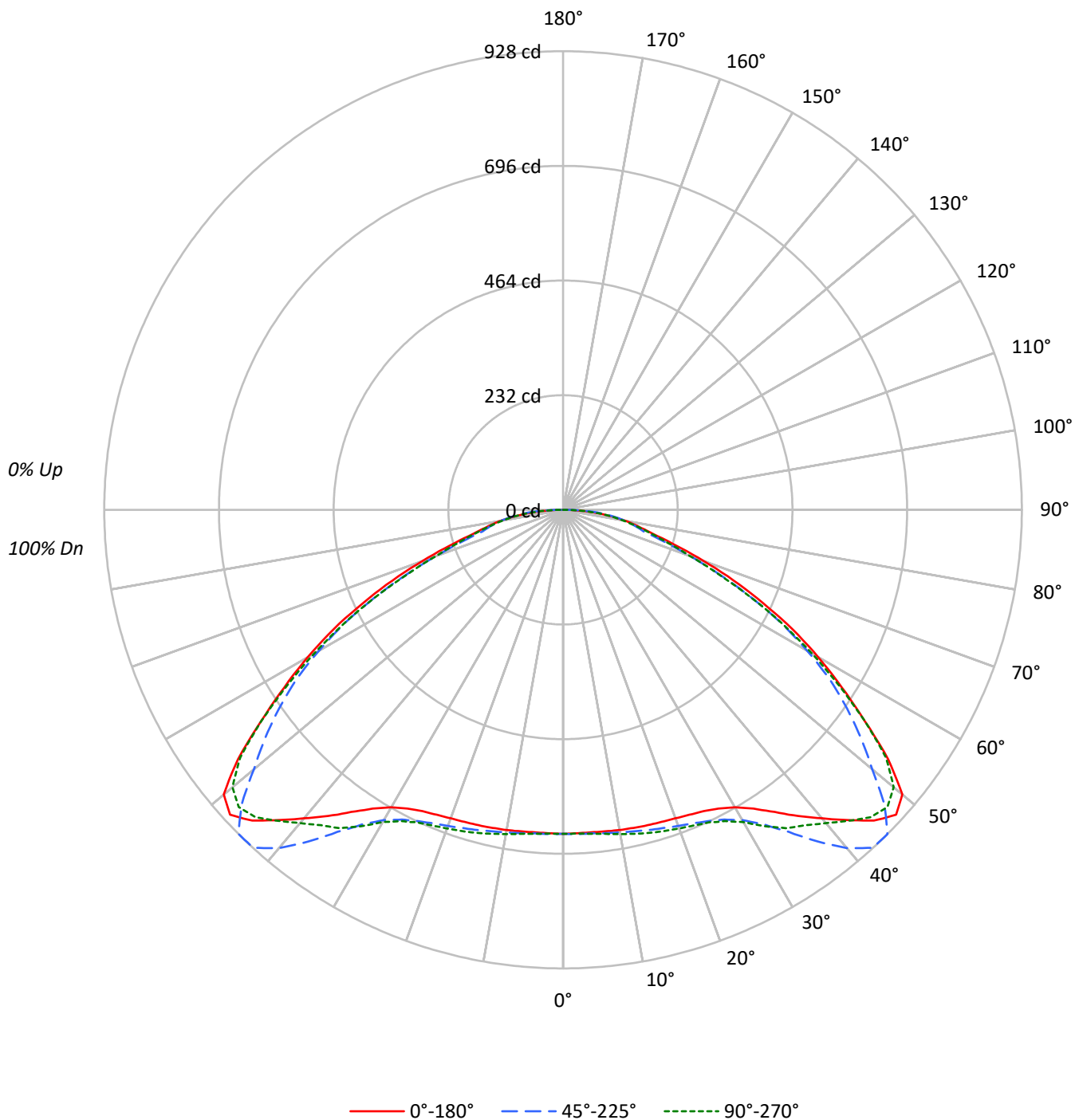
Lumens per Lamp: N/A
Luminaire Lumens: 3101.7 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1764	1764	1764
5°	1769	1776	1777
10°	1798	1811	1820
15°	1841	1869	1885
20°	1903	1950	1964
25°	1997	2063	2072
30°	2159	2252	2266
35°	2452	2614	2583
40°	2863	3138	2906
45°	3384	3532	3347
50°	3750	3417	3654
55°	3496	3290	3493
60°	3210	3071	3128
65°	2839	2678	2675
70°	2378	2143	2148
75°	1956	1754	1894
80°	1988	1979	1897
85°	1954	2353	1988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	2.0
10°-20°	190.1	6.1
20°-30°	321.4	10.4
30°-40°	494.2	15.9
40°-50°	686.9	22.1
50°-60°	646.6	20.8
60°-70°	427.0	13.8
70°-80°	198.4	6.4
80°-90°	74.3	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°	574.4	18.5
0°-40°	1068.6	34.5
0°-60°	2402.1	77.4
0°-90°	3101.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3101.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	655	657	657	658	658	63
15°	661	664	671	676	677	187
25°	673	681	695	699	698	313
35°	746	773	796	793	786	472
45°	889	921	928	906	879	680
55°	745	735	701	725	745	668
65°	446	442	421	427	420	443
75°	188	181	169	174	182	210
85°	63	73	76	74	64	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.6	655.6	655.6	655.6	655.6
2.5°	655.0	656.2	656.7	657.3	655.6
5°	655.0	656.7	657.3	658.5	657.9
7.5°	656.2	657.9	659.7	660.8	661.4
10°	657.9	659.7	662.6	666.1	666.1
12.5°	659.1	662.0	666.1	670.8	671.4
15°	660.8	663.8	670.8	675.5	676.7
17.5°	662.0	666.7	674.9	680.8	681.4
20°	664.4	669.6	680.8	686.0	686.0
22.5°	667.9	674.9	686.6	691.3	691.3
25°	672.6	681.4	694.8	698.9	697.8
27.5°	681.4	691.9	706.5	711.2	710.1
30°	694.8	708.9	724.7	730.6	729.4
32.5°	716.5	734.1	754.0	759.3	758.7
35°	746.4	772.7	795.6	792.7	786.2
37.5°	780.9	820.2	846.0	818.4	804.4
40°	814.9	868.2	893.4	848.9	827.2
42.5°	851.2	905.7	927.4	884.1	853.6
45°	889.3	921.0	928.0	905.7	879.4
47.5°	913.4	896.9	881.7	895.2	889.9
50°	895.8	840.7	816.1	841.9	872.9
52.5°	829.0	788.6	759.9	783.9	823.1
55°	745.2	734.7	701.3	725.3	744.6
57.5°	668.5	676.7	640.3	658.5	661.4
60°	596.4	602.3	570.6	585.9	581.2
62.5°	523.2	523.8	499.1	507.9	500.9
65°	445.8	441.7	420.6	427.1	420.1
67.5°	373.2	363.8	343.9	346.8	340.4
70°	302.3	291.2	272.4	276.5	273.0
72.5°	239.0	230.2	213.8	219.1	222.6
75°	188.1	181.0	168.7	174.0	182.2
77.5°	155.8	147.1	148.2	144.7	150.6
80°	128.3	123.0	127.7	124.2	122.4
82.5°	95.5	100.8	102.5	104.3	95.5
85°	63.3	72.6	76.2	73.8	64.4
87.5°	31.1	39.3	40.4	39.8	33.4
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	17.2	19.0	17.6	19.3	19.6	17.0	18.8	17.4	19.1	19.4
	3H	18.5	20.1	18.8	20.4	20.7	18.2	19.8	18.6	20.1	20.5
	4H	18.9	20.4	19.3	20.7	21.1	18.6	20.1	19.0	20.4	20.8
	6H	19.2	20.6	19.6	21.0	21.3	18.9	20.3	19.3	20.7	21.1
	8H	19.4	20.7	19.8	21.1	21.5	19.1	20.4	19.5	20.8	21.2
	12H	19.5	20.7	19.9	21.1	21.6	19.2	20.5	19.7	20.9	21.3
4H	2H	17.6	19.1	18.0	19.5	19.9	17.5	19.0	17.9	19.3	19.7
	3H	19.1	20.3	19.5	20.7	21.1	18.8	20.1	19.3	20.5	20.9
	4H	19.6	20.7	20.0	21.1	21.6	19.3	20.5	19.8	20.9	21.3
	6H	20.1	21.1	20.5	21.5	21.9	19.8	20.8	20.3	21.3	21.7
	8H	20.3	21.2	20.7	21.6	22.1	20.1	21.0	20.5	21.4	21.9
	12H	20.5	21.3	20.9	21.8	22.2	20.3	21.1	20.7	21.6	22.0
8H	4H	19.8	20.7	20.2	21.1	21.6	19.5	20.5	20.0	20.9	21.4
	6H	20.4	21.2	20.9	21.6	22.1	20.2	21.0	20.7	21.4	21.9
	8H	20.7	21.4	21.2	21.9	22.4	20.5	21.2	21.0	21.7	22.2
	12H	21.0	21.6	21.5	22.1	22.7	20.8	21.5	21.3	21.9	22.5
12H	4H	19.8	20.6	20.3	21.1	21.6	19.6	20.4	20.1	20.9	21.4
	6H	20.5	21.2	21.0	21.6	22.2	20.3	21.0	20.8	21.4	22.0
	8H	20.8	21.4	21.3	21.9	22.5	20.7	21.3	21.2	21.8	22.3















(END OF REPORT)