

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: P1526886

Luminaire Tested: 24CGTX-35HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526886
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

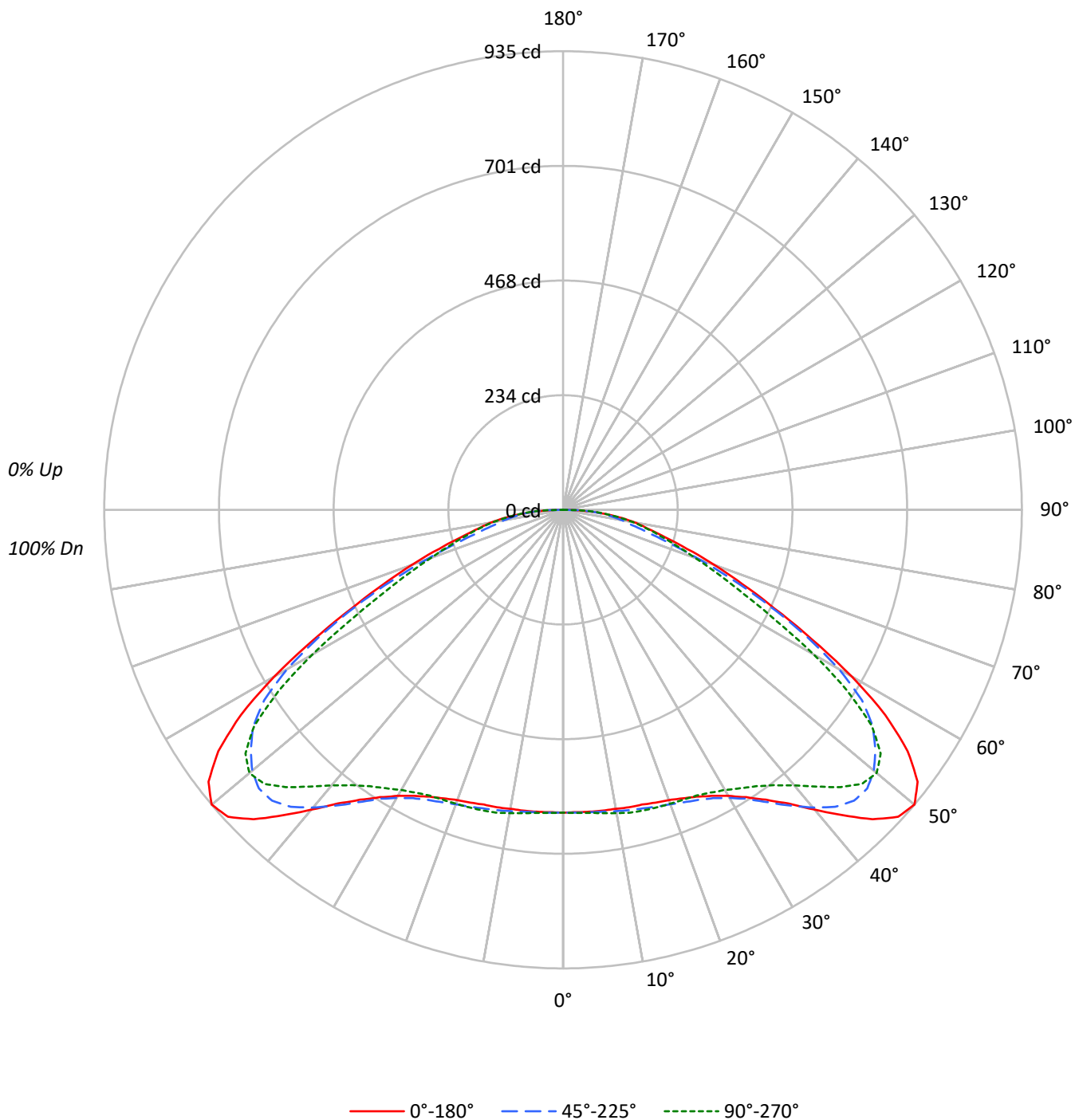
Lumens per Lamp: N/A
Luminaire Lumens: 3081.6 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	831	831	831
5°	835	836	837
10°	846	852	858
15°	867	878	884
20°	901	915	913
25°	958	969	954
30°	1046	1054	1025
35°	1185	1195	1130
40°	1401	1392	1288
45°	1697	1596	1521
50°	1957	1731	1747
55°	2011	1809	1802
60°	1828	1747	1587
65°	1512	1485	1294
70°	1291	1163	1125
75°	1118	926	1065
80°	1158	938	1120
85°	1170	1129	1244

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2013 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.9
10°-20°	178.7	5.8
20°-30°	301.8	9.8
30°-40°	454.3	14.7
40°-50°	646.0	21.0
50°-60°	693.3	22.5
60°-70°	451.9	14.7
70°-80°	217.3	7.1
80°-90°	79.1	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°	539.7	17.5
0°-40°	994.0	32.3
0°-60°	2333.4	75.7
0°-90°	3081.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3081.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	618	618	619	621	620	59
15°	622	625	630	634	634	177
25°	645	651	652	647	643	300
35°	721	735	728	703	688	458
45°	892	870	839	817	799	685
55°	857	836	771	749	768	750
65°	475	471	466	416	407	481
75°	215	203	178	203	205	236
85°	76	71	73	75	81	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.3	617.3	617.3	617.3	617.3
2.5°	616.8	617.3	617.9	618.4	618.4
5°	617.9	618.4	618.9	621.1	620.0
7.5°	618.4	618.9	620.5	623.7	623.7
10°	618.9	620.5	623.7	626.9	628.0
12.5°	621.1	622.7	626.9	631.2	632.3
15°	622.1	625.3	630.1	633.9	634.4
17.5°	625.9	629.1	634.4	636.0	636.0
20°	629.6	633.9	638.7	638.7	637.6
22.5°	636.5	641.3	645.1	641.9	639.7
25°	645.1	650.9	652.5	646.7	642.9
27.5°	657.3	664.8	662.7	654.7	649.9
30°	673.3	682.9	678.1	666.4	659.5
32.5°	694.7	706.4	698.4	683.5	672.8
35°	721.4	735.2	727.8	703.2	687.7
37.5°	754.4	768.8	759.8	728.3	707.5
40°	797.7	805.1	792.3	758.2	733.1
42.5°	844.6	840.9	821.1	789.7	765.1
45°	892.1	870.2	838.7	816.9	799.3
47.5°	926.2	885.7	840.9	829.7	826.5
50°	934.8	882.5	827.0	822.7	834.5
52.5°	910.8	865.4	801.9	794.5	815.8
55°	857.4	835.5	771.0	748.6	768.3
57.5°	779.0	777.4	721.9	681.9	687.2
60°	679.2	685.6	649.3	592.8	589.6
62.5°	571.4	575.2	559.2	500.5	489.3
65°	474.9	471.1	466.3	416.2	406.6
67.5°	395.4	384.2	376.7	346.3	341.5
70°	328.1	310.5	295.6	290.8	286.0
72.5°	265.7	252.9	228.9	242.2	241.7
75°	215.0	203.3	178.2	202.7	204.9
77.5°	176.1	168.1	144.1	166.5	173.4
80°	149.4	132.9	121.1	135.5	144.6
82.5°	114.2	101.4	98.7	104.6	113.1
85°	75.8	71.0	73.1	75.2	80.6
87.5°	38.4	41.1	44.3	48.0	50.7
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	15.8	17.5	16.1	17.8	18.2	14.8	16.6	15.2	16.9	17.3
	3H	16.9	18.5	17.2	18.8	19.2	16.0	17.6	16.4	17.9	18.3
	4H	17.2	18.8	17.6	19.1	19.5	16.4	18.0	16.8	18.3	18.7
	6H	17.6	19.0	18.0	19.4	19.8	16.9	18.3	17.3	18.7	19.0
	8H	17.8	19.1	18.2	19.5	19.9	17.1	18.4	17.5	18.8	19.2
	12H	17.9	19.2	18.3	19.6	20.0	17.3	18.6	17.7	18.9	19.4
4H	2H	16.2	17.7	16.6	18.0	18.4	15.4	16.9	15.8	17.3	17.6
	3H	17.4	18.7	17.8	19.1	19.5	16.7	18.0	17.1	18.4	18.8
	4H	17.9	19.1	18.4	19.5	19.9	17.3	18.5	17.7	18.9	19.3
	6H	18.4	19.5	18.9	19.9	20.3	17.9	18.9	18.3	19.3	19.8
	8H	18.7	19.6	19.1	20.1	20.5	18.1	19.1	18.6	19.5	20.0
	12H	18.9	19.7	19.3	20.2	20.7	18.4	19.3	18.9	19.7	20.2
8H	4H	18.1	19.1	18.6	19.5	20.0	17.5	18.5	18.0	18.9	19.4
	6H	18.7	19.5	19.2	20.0	20.5	18.2	19.0	18.7	19.5	20.0
	8H	19.0	19.7	19.5	20.2	20.7	18.6	19.3	19.1	19.8	20.3
	12H	19.3	19.9	19.8	20.4	21.0	18.9	19.6	19.4	20.1	20.6
12H	4H	18.1	19.0	18.6	19.5	19.9	17.5	18.4	18.0	18.9	19.4
	6H	18.8	19.5	19.3	19.9	20.5	18.3	19.0	18.8	19.5	20.0
	8H	19.1	19.8	19.6	20.2	20.8	18.7	19.3	19.2	19.8	20.4













(END OF REPORT)