

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: P1526880

Luminaire Tested: 24CGTX-35HE-A125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526880
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

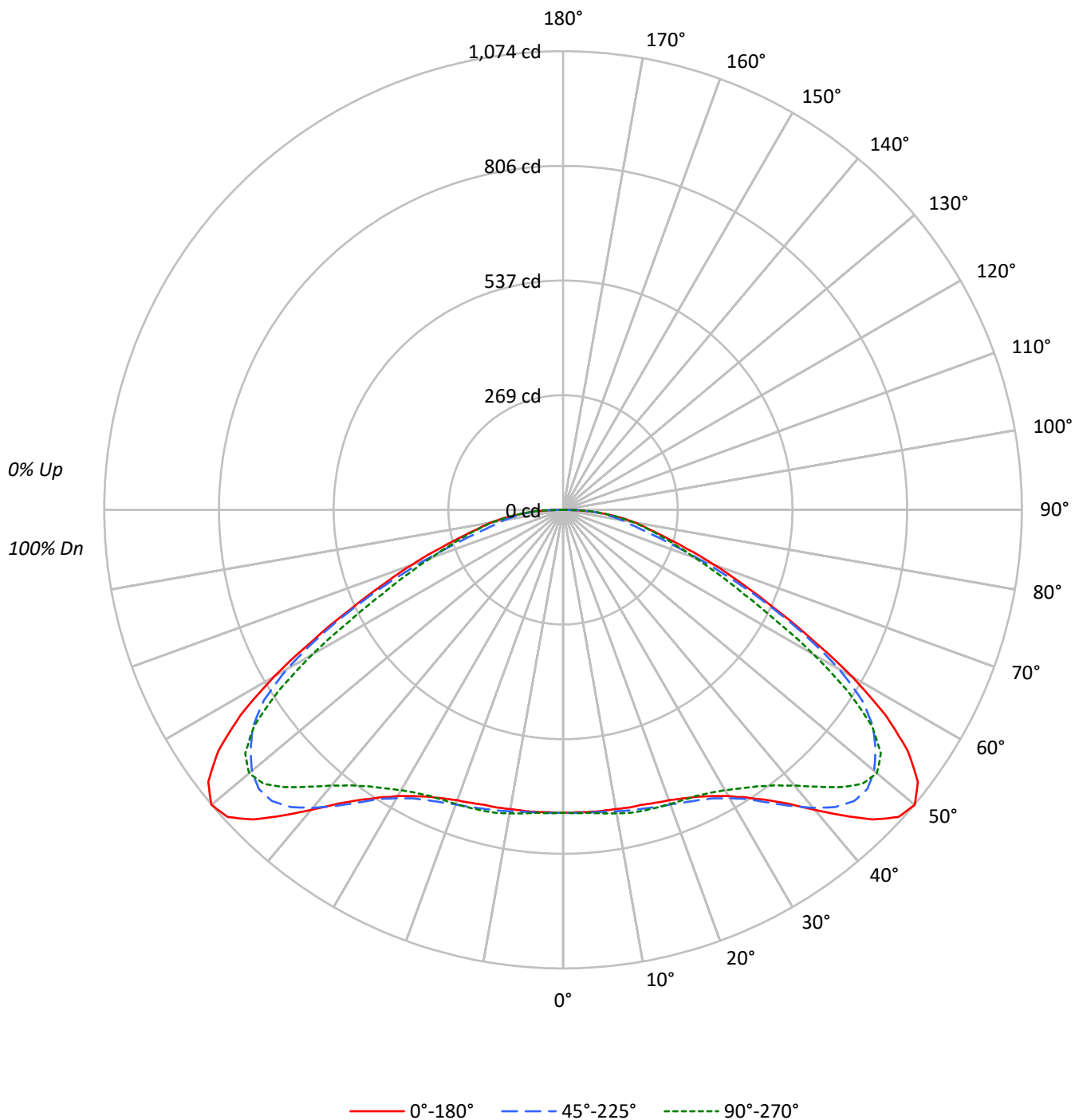
Lumens per Lamp: N/A
Luminaire Lumens: 3542.0 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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							
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	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°	955	955	955
5°	959	961	962
10°	972	979	986
15°	996	1009	1016
20°	1036	1051	1049
25°	1101	1113	1097
30°	1203	1211	1178
35°	1362	1374	1298
40°	1610	1600	1480
45°	1951	1834	1748
50°	2249	1990	2008
55°	2312	2079	2072
60°	2101	2009	1824
65°	1738	1706	1488
70°	1484	1337	1293
75°	1285	1065	1224
80°	1330	1079	1288
85°	1345	1297	1430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.9
10°-20°	205.4	5.8
20°-30°	346.9	9.8
30°-40°	522.2	14.7
40°-50°	742.6	21.0
50°-60°	796.9	22.5
60°-70°	519.4	14.7
70°-80°	249.7	7.0
80°-90°	90.9	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°	620.4	17.5
0°-40°	1142.6	32.3
0°-60°	2682.1	75.7
0°-90°	3542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	710	711	711	714	713	68
15°	715	719	724	729	729	203
25°	742	748	750	743	739	345
35°	829	845	836	808	790	526
45°	1025	1000	964	939	919	787
55°	986	960	886	860	883	862
65°	546	542	536	478	467	552
75°	247	234	205	233	236	271
85°	87	82	84	86	93	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	709.6	709.6	709.6	709.6	709.6
2.5°	708.9	709.6	710.2	710.8	710.8
5°	710.2	710.8	711.4	713.9	712.6
7.5°	710.8	711.4	713.2	716.9	716.9
10°	711.4	713.2	716.9	720.6	721.8
12.5°	713.9	715.7	720.6	725.5	726.7
15°	715.1	718.8	724.3	728.6	729.2
17.5°	719.4	723.1	729.2	731.0	731.0
20°	723.7	728.6	734.1	734.1	732.9
22.5°	731.6	737.2	741.5	737.8	735.3
25°	741.5	748.2	750.0	743.3	739.0
27.5°	755.6	764.1	761.7	752.5	747.0
30°	774.0	785.0	779.5	766.0	758.0
32.5°	798.5	812.0	802.8	785.6	773.3
35°	829.1	845.1	836.5	808.3	790.5
37.5°	867.2	883.7	873.3	837.1	813.2
40°	916.8	925.4	910.7	871.5	842.6
42.5°	970.8	966.5	943.8	907.6	879.4
45°	1025.4	1000.3	964.1	938.9	918.7
47.5°	1064.6	1018.0	966.5	953.6	950.0
50°	1074.5	1014.4	950.6	945.7	959.2
52.5°	1046.9	994.7	921.8	913.2	937.7
55°	985.5	960.4	886.2	860.4	883.1
57.5°	895.4	893.5	829.8	783.8	789.9
60°	780.7	788.1	746.4	681.3	677.7
62.5°	656.8	661.1	642.7	575.3	562.4
65°	545.8	541.5	536.0	478.4	467.3
67.5°	454.4	441.6	433.0	398.0	392.5
70°	377.2	356.9	339.8	334.2	328.7
72.5°	305.4	290.7	263.1	278.4	277.8
75°	247.2	233.7	204.8	233.0	235.5
77.5°	202.4	193.2	165.6	191.3	199.3
80°	171.7	152.7	139.2	155.8	166.2
82.5°	131.2	116.5	113.5	120.2	130.0
85°	87.1	81.6	84.0	86.5	92.6
87.5°	44.2	47.2	50.9	55.2	58.3
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	16.2	18.0	16.6	18.3	18.6	15.3	17.1	15.7	17.4	17.7
	3H	17.3	19.0	17.7	19.3	19.6	16.5	18.1	16.8	18.4	18.8
	4H	17.7	19.3	18.1	19.6	20.0	16.9	18.4	17.3	18.8	19.2
	6H	18.1	19.5	18.5	19.9	20.3	17.4	18.8	17.8	19.1	19.5
	8H	18.2	19.6	18.7	20.0	20.4	17.6	18.9	18.0	19.3	19.7
	12H	18.4	19.7	18.8	20.1	20.5	17.7	19.0	18.2	19.4	19.8
4H	2H	16.6	18.2	17.0	18.5	18.9	15.9	17.4	16.3	17.8	18.1
	3H	17.9	19.2	18.3	19.6	20.0	17.2	18.5	17.6	18.9	19.3
	4H	18.4	19.6	18.9	20.0	20.4	17.8	18.9	18.2	19.4	19.8
	6H	18.9	19.9	19.4	20.4	20.8	18.4	19.4	18.8	19.8	20.3
	8H	19.1	20.1	19.6	20.5	21.0	18.6	19.6	19.1	20.0	20.5
	12H	19.3	20.2	19.8	20.7	21.1	18.9	19.7	19.3	20.2	20.7
8H	4H	18.6	19.5	19.0	20.0	20.4	18.0	19.0	18.5	19.4	19.9
	6H	19.2	20.0	19.7	20.5	20.9	18.7	19.5	19.2	20.0	20.5
	8H	19.5	20.2	20.0	20.7	21.2	19.1	19.8	19.6	20.3	20.8
	12H	19.8	20.4	20.3	20.9	21.5	19.4	20.1	19.9	20.5	21.1
12H	4H	18.6	19.5	19.1	20.0	20.4	18.0	18.9	18.5	19.4	19.8
	6H	19.2	20.0	19.8	20.4	21.0	18.8	19.5	19.3	20.0	20.5
	8H	19.6	20.2	20.1	20.7	21.3	19.2	19.8	19.7	20.3	20.9













(END OF REPORT)