

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: P1526818

Luminaire Tested: 22CGTX-35HE-A125-L930

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526818
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

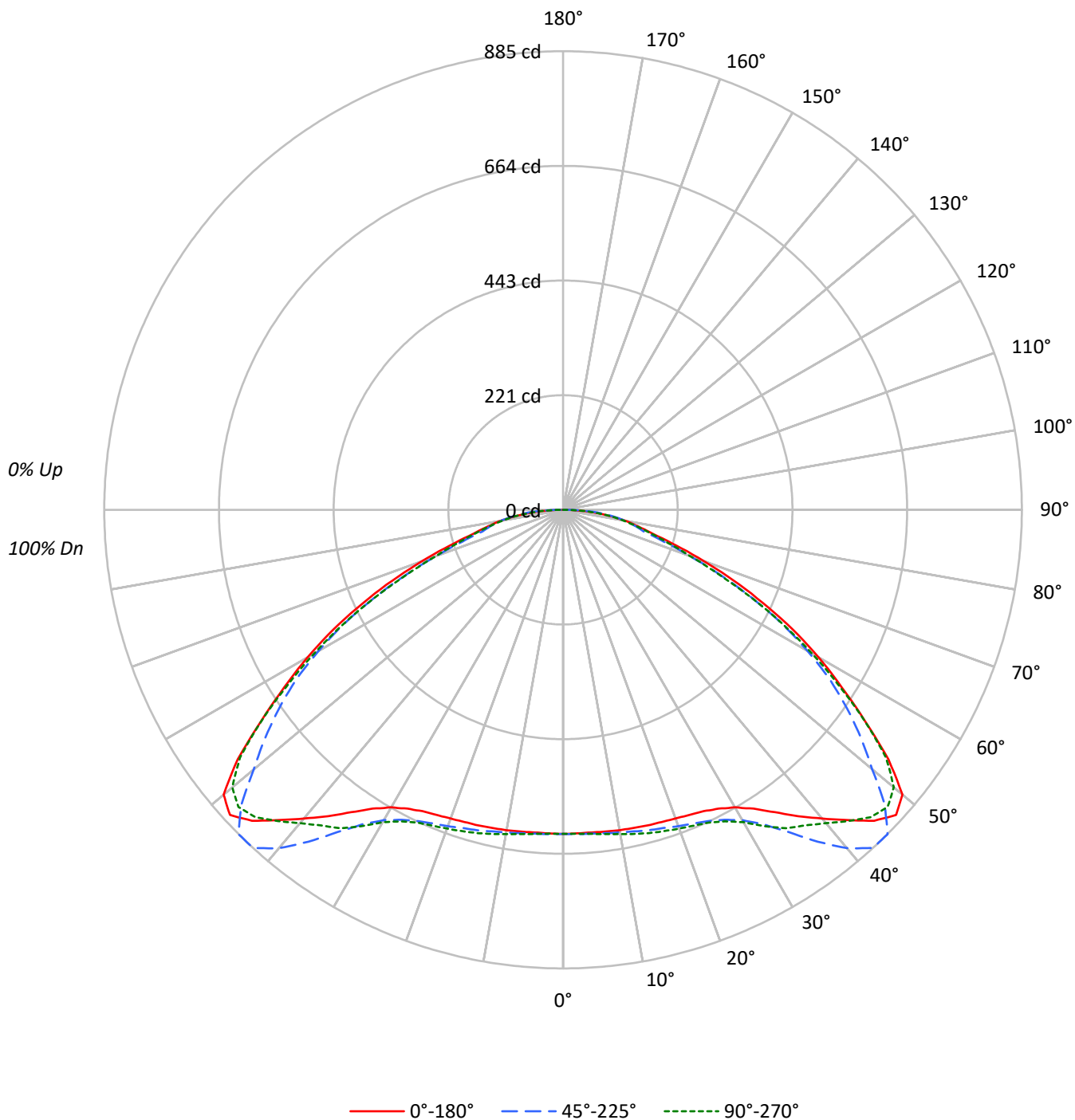
Lumens per Lamp: N/A
Luminaire Lumens: 2959.2 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1683	1683	1683
5°	1688	1694	1696
10°	1715	1727	1736
15°	1757	1783	1799
20°	1815	1860	1874
25°	1905	1968	1977
30°	2060	2148	2162
35°	2339	2493	2464
40°	2731	2994	2772
45°	3229	3369	3193
50°	3578	3260	3486
55°	3335	3139	3333
60°	3062	2930	2984
65°	2708	2555	2551
70°	2269	2045	2050
75°	1865	1674	1807
80°	1897	1888	1810
85°	1865	2245	1899

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3578 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	2.0
10°-20°	181.4	6.1
20°-30°	306.6	10.4
30°-40°	471.5	15.9
40°-50°	655.3	22.1
50°-60°	616.8	20.8
60°-70°	407.4	13.8
70°-80°	189.3	6.4
80°-90°	70.9	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°	548.0	18.5
0°-40°	1019.5	34.5
0°-60°	2291.6	77.4
0°-90°	2959.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2959.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	625	627	627	628	628	60
15°	630	633	640	644	646	179
25°	642	650	663	667	666	299
35°	712	737	759	756	750	451
45°	848	879	885	864	839	649
55°	711	701	669	692	710	637
65°	425	421	401	408	401	422
75°	179	173	161	166	174	201
85°	60	69	73	70	62	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.4	625.4	625.4	625.4	625.4
2.5°	624.9	626.0	626.6	627.1	625.4
5°	624.9	626.6	627.1	628.2	627.7
7.5°	626.0	627.7	629.3	630.5	631.0
10°	627.7	629.3	632.1	635.5	635.5
12.5°	628.8	631.6	635.5	640.0	640.5
15°	630.5	633.3	640.0	644.4	645.6
17.5°	631.6	636.1	643.9	649.5	650.0
20°	633.8	638.8	649.5	654.5	654.5
22.5°	637.2	643.9	655.1	659.5	659.5
25°	641.6	650.0	662.9	666.8	665.7
27.5°	650.0	660.1	674.1	678.5	677.4
30°	662.9	676.3	691.4	697.0	695.9
32.5°	683.6	700.3	719.3	724.4	723.8
35°	712.1	737.2	759.0	756.2	750.1
37.5°	745.0	782.5	807.1	780.8	767.4
40°	777.5	828.3	852.4	809.9	789.2
42.5°	812.1	864.1	884.8	843.4	814.3
45°	848.4	878.6	885.3	864.1	838.9
47.5°	871.4	855.7	841.2	854.0	849.0
50°	854.6	802.1	778.6	803.2	832.8
52.5°	790.9	752.3	724.9	747.8	785.3
55°	710.9	700.9	669.0	691.9	710.4
57.5°	637.7	645.6	610.9	628.2	631.0
60°	569.0	574.6	544.4	558.9	554.4
62.5°	499.1	499.7	476.2	484.6	477.9
65°	425.3	421.4	401.3	407.5	400.7
67.5°	356.0	347.1	328.1	330.9	324.7
70°	288.4	277.8	259.9	263.8	260.5
72.5°	228.0	219.7	204.0	209.0	212.4
75°	179.4	172.7	161.0	166.0	173.8
77.5°	148.7	140.3	141.4	138.1	143.6
80°	122.4	117.4	121.8	118.5	116.8
82.5°	91.1	96.1	97.8	99.5	91.1
85°	60.4	69.3	72.7	70.4	61.5
87.5°	29.6	37.4	38.6	38.0	31.9
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	17.0	18.8	17.4	19.1	19.4	16.9	18.6	17.2	18.9	19.2
	3H	18.3	19.9	18.7	20.2	20.6	18.0	19.6	18.4	19.9	20.3
	4H	18.7	20.2	19.1	20.5	20.9	18.4	19.9	18.8	20.3	20.6
	6H	19.0	20.4	19.5	20.8	21.2	18.8	20.2	19.2	20.5	20.9
	8H	19.2	20.5	19.6	20.9	21.3	18.9	20.3	19.3	20.6	21.0
	12H	19.3	20.6	19.7	21.0	21.4	19.1	20.3	19.5	20.7	21.1
4H	2H	17.5	19.0	17.9	19.3	19.7	17.3	18.8	17.7	19.2	19.6
	3H	18.9	20.2	19.3	20.6	21.0	18.7	19.9	19.1	20.3	20.7
	4H	19.4	20.6	19.8	21.0	21.4	19.2	20.3	19.6	20.7	21.1
	6H	19.9	20.9	20.3	21.3	21.8	19.7	20.7	20.1	21.1	21.5
	8H	20.1	21.0	20.6	21.5	21.9	19.9	20.8	20.3	21.3	21.7
	12H	20.3	21.1	20.8	21.6	22.1	20.1	20.9	20.6	21.4	21.9
8H	4H	19.6	20.5	20.1	21.0	21.4	19.4	20.3	19.8	20.7	21.2
	6H	20.2	21.0	20.7	21.5	22.0	20.0	20.8	20.5	21.3	21.7
	8H	20.5	21.2	21.0	21.7	22.2	20.3	21.0	20.9	21.6	22.0
	12H	20.8	21.4	21.3	21.9	22.5	20.7	21.3	21.2	21.8	22.3
12H	4H	19.6	20.5	20.1	20.9	21.4	19.4	20.3	19.9	20.7	21.2
	6H	20.3	21.0	20.8	21.5	22.0	20.1	20.8	20.6	21.3	21.8
	8H	20.7	21.3	21.2	21.8	22.3	20.5	21.1	21.0	21.6	22.2













(END OF REPORT)