

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: P1527100

Luminaire Tested: 24CGTX-35HE-F125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-35HE-F125-L850
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

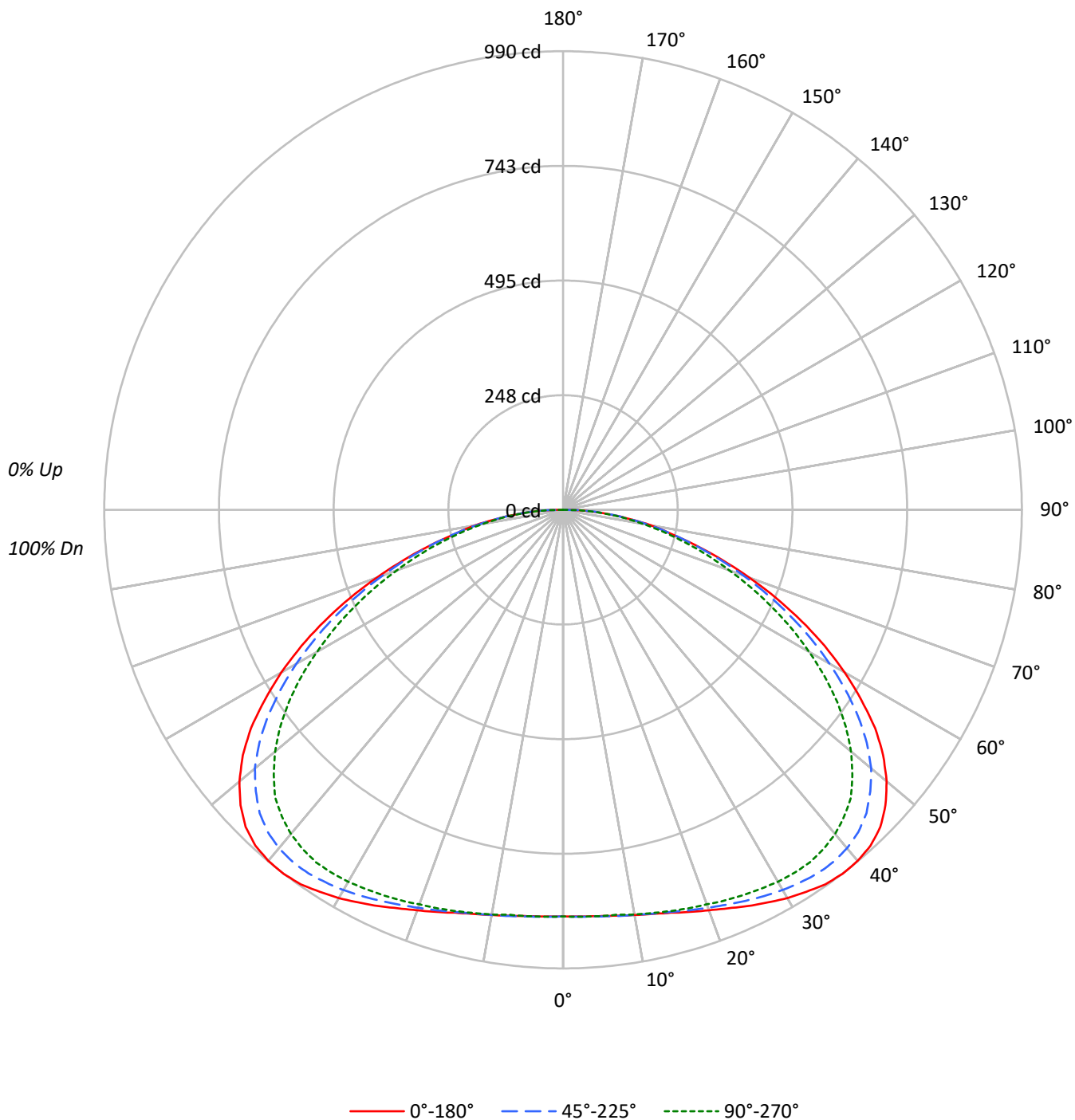
Lumens per Lamp: N/A
Luminaire Lumens: 3712.0 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88
2	97	88	81	74	94	86	79	74	83	77	72		79	74	70		76
3	88	76	68	61	85	75	67	60	72	65	59		69	63	58		66
4	80	67	57	50	77	66	57	50	63	55	49		61	54	48		58
5	73	59	50	43	71	58	49	42	56	48	42		54	47	41		52
6	67	53	43	36	65	52	43	36	50	42	36		48	41	36		47
7	62	47	38	32	60	47	38	32	45	37	31		44	36	31		42
8	57	43	34	28	56	42	34	28	41	33	28		40	33	27		38
9	53	39	31	25	52	39	30	25	37	30	25		36	29	24		35
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1181	1181	1181
5°	1189	1190	1189
10°	1213	1213	1212
15°	1254	1252	1249
20°	1317	1309	1298
25°	1401	1383	1363
30°	1504	1472	1440
35°	1621	1574	1526
40°	1737	1675	1604
45°	1843	1761	1671
50°	1908	1817	1698
55°	1928	1824	1693
60°	1888	1787	1650
65°	1807	1721	1585
70°	1683	1627	1500
75°	1541	1531	1420
80°	1495	1464	1359
85°	1389	1450	1359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 55°
Luminance: 1928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	2.3
10°-20°	255.4	6.9
20°-30°	431.3	11.6
30°-40°	600.0	16.2
40°-50°	710.2	19.1
50°-60°	689.0	18.6
60°-70°	530.9	14.3
70°-80°	309.8	8.3
80°-90°	101.2	2.7
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°	770.9	20.8
0°-40°	1370.9	36.9
0°-60°	2770.1	74.6
0°-90°	3712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	880	881	881	881	880	84
15°	900	900	898	897	897	256
25°	944	940	932	922	918	437
35°	987	978	958	938	929	618
45°	968	956	926	894	878	744
55°	822	808	778	741	722	730
65°	568	561	540	513	498	561
75°	296	304	294	281	273	318
85°	90	94	94	92	88	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	877.8	877.8	877.8	877.8	877.8
2.5°	878.4	879.1	879.1	879.1	879.1
5°	880.4	881.0	881.0	881.0	880.4
7.5°	883.6	883.6	884.3	883.6	881.7
10°	888.2	888.2	888.2	887.5	886.9
12.5°	893.3	894.0	892.7	892.0	891.4
15°	900.5	900.5	898.5	896.6	896.6
17.5°	910.2	908.9	906.3	903.0	901.8
20°	919.9	918.6	914.1	908.9	906.3
22.5°	930.9	928.3	922.5	915.3	912.8
25°	943.8	939.9	931.5	921.8	917.9
27.5°	955.5	950.3	939.9	928.9	922.5
30°	967.8	961.3	947.7	933.5	927.0
32.5°	977.5	971.0	953.5	937.4	928.9
35°	986.6	978.1	958.1	938.0	928.9
37.5°	990.4	981.4	958.1	934.8	923.1
40°	989.1	979.4	953.5	927.0	913.4
42.5°	982.7	971.0	943.2	913.4	897.9
45°	968.4	955.5	925.7	894.0	878.4
47.5°	943.8	930.9	899.2	865.5	846.7
50°	911.5	897.9	868.1	830.5	811.1
52.5°	870.7	857.1	826.0	787.8	769.0
55°	822.1	807.9	777.5	741.2	721.8
57.5°	762.6	752.2	722.4	688.1	669.4
60°	701.7	691.4	664.2	631.8	613.0
62.5°	636.3	627.9	603.3	572.9	556.7
65°	567.7	561.2	540.5	512.7	497.8
67.5°	497.8	495.2	476.4	452.5	439.5
70°	427.9	429.2	413.7	392.3	381.3
72.5°	359.9	364.5	352.2	334.7	326.9
75°	296.5	303.6	294.5	280.9	273.2
77.5°	237.6	247.3	239.5	229.2	222.7
80°	192.9	192.3	189.0	181.3	175.4
82.5°	138.5	141.1	139.2	134.6	131.4
85°	90.0	94.5	93.9	91.9	88.0
87.5°	44.7	49.8	50.5	49.2	47.3
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	15.0	16.7	15.3	17.0	17.3	14.3	16.0	14.7	16.3	16.7
	3H	16.8	18.4	17.2	18.7	19.0	16.1	17.7	16.5	18.0	18.4
	4H	17.5	18.9	17.9	19.3	19.7	16.8	18.3	17.2	18.6	19.0
	6H	18.0	19.4	18.4	19.7	20.1	17.3	18.7	17.7	19.1	19.5
	8H	18.2	19.5	18.6	19.9	20.3	17.5	18.9	18.0	19.3	19.7
	12H	18.3	19.6	18.8	20.0	20.4	17.7	19.0	18.1	19.4	19.8
4H	2H	15.6	17.1	16.0	17.4	17.8	15.0	16.5	15.4	16.9	17.3
	3H	17.6	18.9	18.0	19.3	19.7	17.0	18.3	17.5	18.7	19.1
	4H	18.4	19.6	18.9	20.0	20.4	17.9	19.0	18.3	19.4	19.9
	6H	19.1	20.1	19.6	20.6	21.0	18.6	19.6	19.0	20.0	20.4
	8H	19.4	20.3	19.8	20.7	21.2	18.8	19.8	19.3	20.2	20.7
	12H	19.6	20.4	20.0	20.9	21.4	19.0	19.9	19.5	20.4	20.8
8H	4H	18.7	19.7	19.2	20.1	20.6	18.3	19.2	18.7	19.6	20.1
	6H	19.6	20.4	20.1	20.8	21.3	19.1	19.9	19.6	20.4	20.8
	8H	19.9	20.6	20.4	21.1	21.6	19.4	20.1	19.9	20.6	21.1
	12H	20.2	20.8	20.7	21.3	21.9	19.8	20.4	20.3	20.9	21.4
12H	4H	18.8	19.6	19.3	20.1	20.6	18.3	19.2	18.8	19.6	20.1
	6H	19.7	20.4	20.2	20.8	21.4	19.2	19.9	19.7	20.4	20.9
	8H	20.1	20.7	20.6	21.2	21.7	19.6	20.2	20.1	20.7	21.3













(END OF REPORT)