

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: P1527101

Luminaire Tested: 24CGTX-35HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527101
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

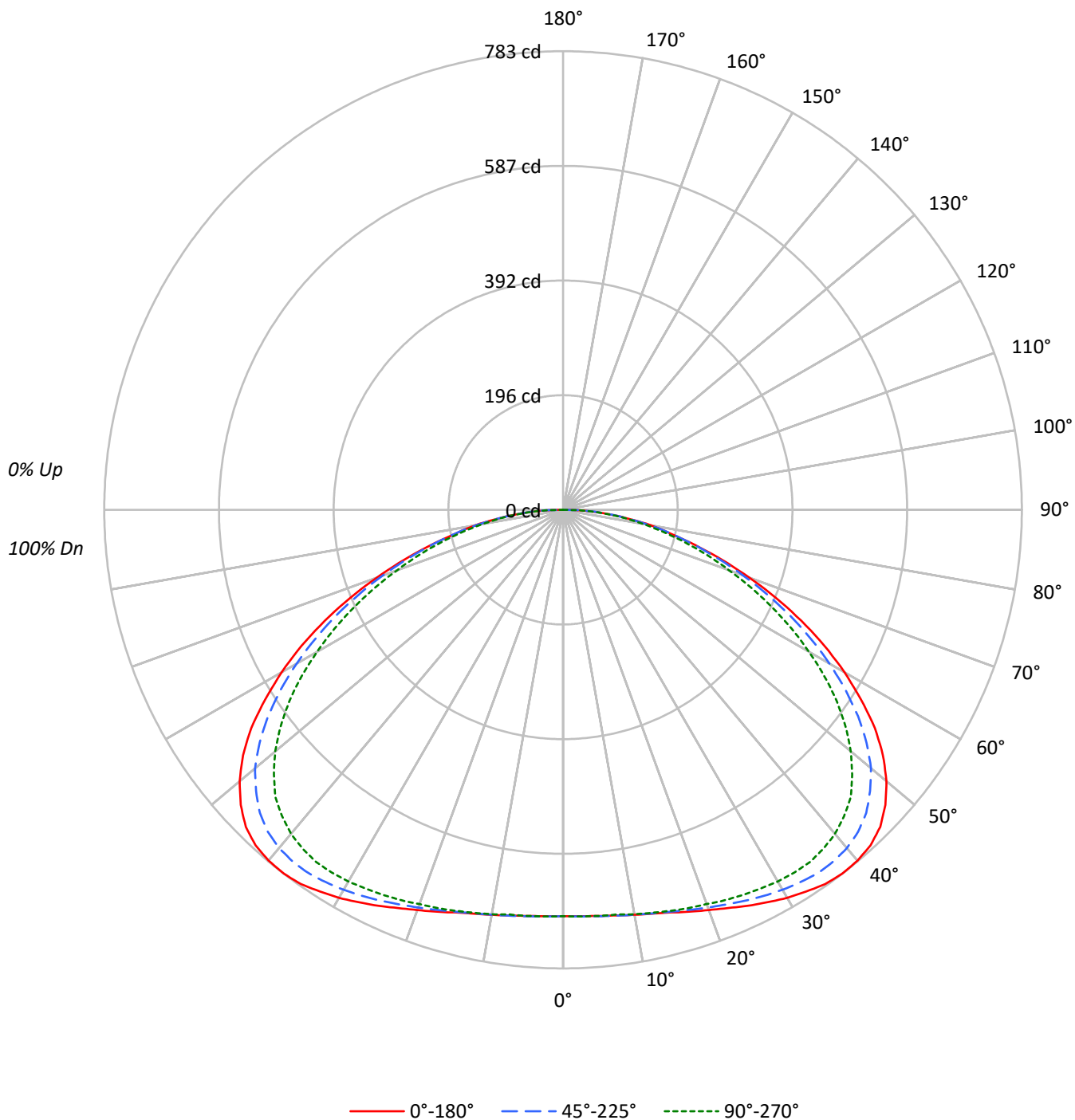
Lumens per Lamp: N/A
Luminaire Lumens: 2934.0 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	934	934	934
5°	940	941	940
10°	959	959	958
15°	991	989	987
20°	1041	1035	1026
25°	1107	1093	1077
30°	1188	1164	1138
35°	1281	1244	1206
40°	1373	1324	1268
45°	1457	1392	1321
50°	1508	1436	1342
55°	1524	1441	1338
60°	1492	1413	1304
65°	1429	1360	1253
70°	1330	1286	1186
75°	1218	1210	1122
80°	1182	1158	1075
85°	1098	1145	1074

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	2.3
10°-20°	201.8	6.9
20°-30°	340.9	11.6
30°-40°	474.2	16.2
40°-50°	561.3	19.1
50°-60°	544.6	18.6
60°-70°	419.6	14.3
70°-80°	244.8	8.3
80°-90°	80.0	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°	609.4	20.8
0°-40°	1083.6	36.9
0°-60°	2189.5	74.6
0°-90°	2934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	696	696	696	696	696	67
15°	712	712	710	709	709	202
25°	746	743	736	729	726	346
35°	780	773	757	741	734	488
45°	766	755	732	707	694	588
55°	650	639	614	586	570	577
65°	449	444	427	405	394	443
75°	234	240	233	222	216	251
85°	71	75	74	73	70	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	693.8	693.8	693.8	693.8	693.8
2.5°	694.3	694.8	694.8	694.8	694.8
5°	695.9	696.4	696.4	696.4	695.9
7.5°	698.4	698.4	698.9	698.4	696.9
10°	702.0	702.0	702.0	701.5	701.0
12.5°	706.1	706.6	705.6	705.1	704.6
15°	711.7	711.7	710.2	708.7	708.7
17.5°	719.4	718.4	716.3	713.8	712.8
20°	727.1	726.1	722.5	718.4	716.3
22.5°	735.8	733.7	729.1	723.5	721.5
25°	746.0	742.9	736.3	728.6	725.5
27.5°	755.2	751.1	742.9	734.2	729.1
30°	764.9	759.8	749.1	737.8	732.7
32.5°	772.6	767.5	753.7	740.9	734.2
35°	779.8	773.1	757.3	741.4	734.2
37.5°	782.9	775.7	757.3	738.8	729.6
40°	781.8	774.2	753.7	732.7	722.0
42.5°	776.7	767.5	745.5	722.0	709.7
45°	765.5	755.2	731.7	706.6	694.3
47.5°	746.0	735.8	710.7	684.1	669.3
50°	720.4	709.7	686.1	656.5	641.1
52.5°	688.2	677.4	652.9	622.7	607.9
55°	649.8	638.6	614.5	585.9	570.5
57.5°	602.7	594.6	571.0	543.9	529.1
60°	554.6	546.5	525.0	499.4	484.5
62.5°	503.0	496.3	476.9	452.8	440.0
65°	448.7	443.6	427.2	405.2	393.5
67.5°	393.5	391.4	376.6	357.7	347.4
70°	338.2	339.2	327.0	310.1	301.4
72.5°	284.5	288.1	278.3	264.5	258.4
75°	234.3	240.0	232.8	222.1	215.9
77.5°	187.8	195.5	189.3	181.1	176.0
80°	152.5	152.0	149.4	143.3	138.7
82.5°	109.5	111.5	110.0	106.4	103.9
85°	71.1	74.7	74.2	72.7	69.6
87.5°	35.3	39.4	39.9	38.9	37.4
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	14.2	15.9	14.5	16.2	16.5	13.5	15.2	13.8	15.5	15.8
	3H	16.0	17.5	16.3	17.9	18.2	15.3	16.9	15.6	17.2	17.5
	4H	16.6	18.1	17.0	18.5	18.8	16.0	17.5	16.4	17.8	18.2
	6H	17.2	18.6	17.6	18.9	19.3	16.5	17.9	16.9	18.3	18.7
	8H	17.4	18.7	17.8	19.1	19.5	16.7	18.0	17.1	18.4	18.8
	12H	17.5	18.8	17.9	19.2	19.6	16.9	18.2	17.3	18.5	19.0
4H	2H	14.7	16.2	15.1	16.6	17.0	14.2	15.7	14.6	16.1	16.4
	3H	16.8	18.1	17.2	18.5	18.9	16.2	17.5	16.6	17.9	18.3
	4H	17.6	18.8	18.0	19.2	19.6	17.0	18.2	17.5	18.6	19.0
	6H	18.3	19.3	18.7	19.7	20.2	17.7	18.7	18.2	19.2	19.6
	8H	18.5	19.5	19.0	19.9	20.4	18.0	18.9	18.5	19.4	19.8
	12H	18.8	19.6	19.2	20.1	20.5	18.2	19.1	18.7	19.5	20.0
8H	4H	17.9	18.9	18.4	19.3	19.8	17.4	18.4	17.9	18.8	19.3
	6H	18.8	19.5	19.2	20.0	20.5	18.3	19.1	18.8	19.5	20.0
	8H	19.1	19.8	19.6	20.3	20.8	18.6	19.3	19.1	19.8	20.3
	12H	19.4	20.0	19.9	20.5	21.1	18.9	19.6	19.4	20.1	20.6
12H	4H	18.0	18.8	18.5	19.3	19.8	17.5	18.3	18.0	18.8	19.3
	6H	18.8	19.6	19.4	20.0	20.5	18.4	19.1	18.9	19.5	20.1
	8H	19.2	19.9	19.7	20.4	20.9	18.8	19.4	19.3	19.9	20.5















(END OF REPORT)