

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: P1527097

Luminaire Tested: 24CGTX-35HE-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527097
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-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

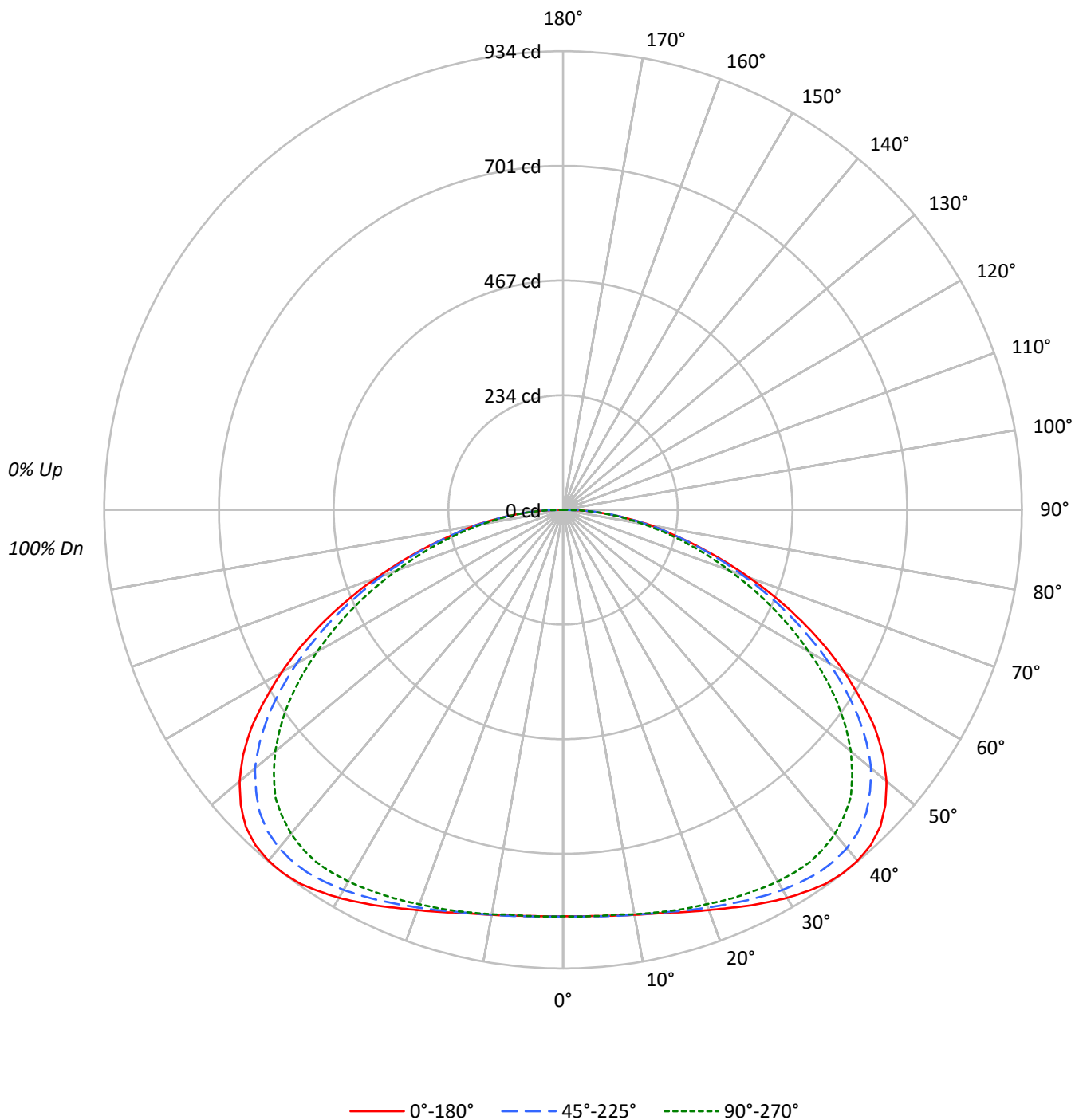
Lumens per Lamp: N/A
Luminaire Lumens: 3500.0 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66			
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54			
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45			
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39			
6	67	53	43	36	65	52	43	36	50	42	36	48	41	36	47	40	35	33			
7	62	47	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	27	38	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	25	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	33	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1114	1114	1114
5°	1121	1122	1121
10°	1144	1144	1142
15°	1183	1180	1178
20°	1242	1234	1224
25°	1321	1304	1285
30°	1418	1388	1358
35°	1528	1484	1439
40°	1638	1579	1513
45°	1737	1661	1576
50°	1799	1713	1601
55°	1818	1720	1597
60°	1780	1685	1555
65°	1704	1623	1494
70°	1587	1534	1414
75°	1454	1444	1339
80°	1409	1381	1282
85°	1309	1366	1281

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	2.3
10°-20°	240.8	6.9
20°-30°	406.7	11.6
30°-40°	565.7	16.2
40°-50°	669.6	19.1
50°-60°	649.7	18.6
60°-70°	500.6	14.3
70°-80°	292.1	8.3
80°-90°	95.5	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°	726.9	20.8
0°-40°	1292.6	36.9
0°-60°	2611.9	74.6
0°-90°	3500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	830	831	831	831	830	79
15°	849	849	847	845	845	242
25°	890	886	878	869	866	412
35°	930	922	903	884	876	583
45°	913	901	873	843	828	701
55°	775	762	733	699	681	688
65°	535	529	510	483	469	529
75°	280	286	278	265	258	299
85°	85	89	88	87	83	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	827.7	827.7	827.7	827.7	827.7
2.5°	828.3	828.9	828.9	828.9	828.9
5°	830.1	830.7	830.7	830.7	830.1
7.5°	833.2	833.2	833.8	833.2	831.3
10°	837.4	837.4	837.4	836.8	836.2
12.5°	842.3	842.9	841.7	841.1	840.5
15°	849.0	849.0	847.2	845.4	845.4
17.5°	858.2	857.0	854.5	851.5	850.3
20°	867.3	866.1	861.8	857.0	854.5
22.5°	877.7	875.3	869.8	863.1	860.6
25°	889.9	886.3	878.3	869.2	865.5
27.5°	900.9	896.0	886.3	875.9	869.8
30°	912.5	906.4	893.6	880.2	874.1
32.5°	921.7	915.6	899.1	883.8	875.9
35°	930.2	922.3	903.4	884.4	875.9
37.5°	933.9	925.3	903.4	881.4	870.4
40°	932.7	923.5	899.1	874.1	861.2
42.5°	926.5	915.6	889.3	861.2	846.6
45°	913.1	900.9	872.8	842.9	828.3
47.5°	889.9	877.7	847.8	816.1	798.4
50°	859.4	846.6	818.5	783.1	764.8
52.5°	821.0	808.1	778.8	742.8	725.1
55°	775.2	761.7	733.1	698.9	680.6
57.5°	719.0	709.3	681.2	648.8	631.1
60°	661.6	651.9	626.2	595.7	578.0
62.5°	600.0	592.1	568.9	540.2	524.9
65°	535.3	529.2	509.7	483.4	469.4
67.5°	469.4	466.9	449.2	426.7	414.4
70°	403.5	404.7	390.0	369.9	359.5
72.5°	339.4	343.6	332.0	315.6	308.2
75°	279.6	286.3	277.7	264.9	257.6
77.5°	224.0	233.2	225.8	216.1	210.0
80°	181.9	181.3	178.2	170.9	165.4
82.5°	130.6	133.1	131.2	127.0	123.9
85°	84.8	89.1	88.5	86.7	83.0
87.5°	42.1	47.0	47.6	46.4	44.6
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	14.8	16.5	15.1	16.8	17.1	14.1	15.8	14.5	16.1	16.5
	3H	16.6	18.2	17.0	18.5	18.8	15.9	17.5	16.3	17.8	18.1
	4H	17.3	18.7	17.6	19.1	19.5	16.6	18.1	17.0	18.4	18.8
	6H	17.8	19.2	18.2	19.5	19.9	17.1	18.5	17.5	18.9	19.3
	8H	18.0	19.3	18.4	19.7	20.1	17.3	18.7	17.8	19.0	19.4
	12H	18.1	19.4	18.5	19.8	20.2	17.5	18.8	17.9	19.2	19.6
4H	2H	15.4	16.9	15.8	17.2	17.6	14.8	16.3	15.2	16.7	17.0
	3H	17.4	18.7	17.8	19.1	19.5	16.8	18.1	17.3	18.5	18.9
	4H	18.2	19.4	18.7	19.8	20.2	17.7	18.8	18.1	19.2	19.6
	6H	18.9	19.9	19.4	20.3	20.8	18.3	19.4	18.8	19.8	20.2
	8H	19.2	20.1	19.6	20.5	21.0	18.6	19.6	19.1	20.0	20.5
	12H	19.4	20.2	19.8	20.7	21.2	18.8	19.7	19.3	20.2	20.6
8H	4H	18.5	19.5	19.0	19.9	20.4	18.0	19.0	18.5	19.4	19.9
	6H	19.4	20.2	19.9	20.6	21.1	18.9	19.7	19.4	20.2	20.6
	8H	19.7	20.4	20.2	20.9	21.4	19.2	19.9	19.7	20.4	20.9
	12H	20.0	20.6	20.5	21.1	21.7	19.6	20.2	20.1	20.7	21.2
12H	4H	18.6	19.4	19.1	19.9	20.4	18.1	19.0	18.6	19.4	19.9
	6H	19.5	20.2	20.0	20.6	21.2	19.0	19.7	19.5	20.2	20.7
	8H	19.8	20.5	20.4	21.0	21.5	19.4	20.0	19.9	20.5	21.1













(END OF REPORT)