

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: P1527098

Luminaire Tested: 24CGTX-35HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527098
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

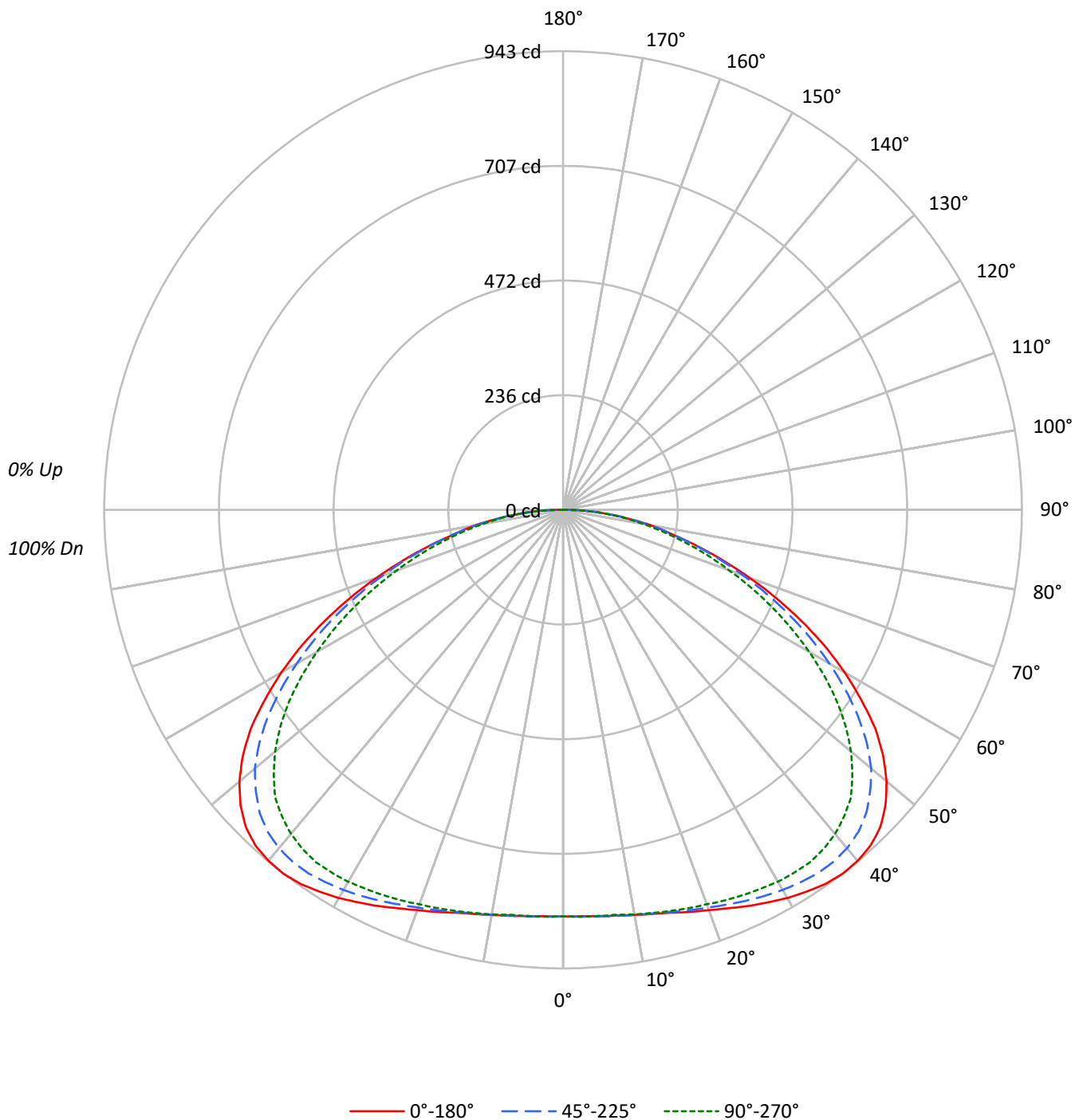
Lumens per Lamp: N/A
Luminaire Lumens: 3535.2 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			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	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°	1125	1125	1125
5°	1133	1133	1133
10°	1156	1156	1154
15°	1195	1192	1189
20°	1254	1246	1236
25°	1334	1317	1298
30°	1432	1402	1372
35°	1543	1499	1453
40°	1655	1595	1528
45°	1755	1678	1592
50°	1817	1731	1617
55°	1837	1737	1612
60°	1798	1702	1571
65°	1721	1639	1509
70°	1603	1550	1428
75°	1468	1458	1353
80°	1423	1395	1295
85°	1323	1380	1294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 55°
Luminance: 1837 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	2.3
10°-20°	243.2	6.9
20°-30°	410.8	11.6
30°-40°	571.4	16.2
40°-50°	676.4	19.1
50°-60°	656.2	18.6
60°-70°	505.6	14.3
70°-80°	295.0	8.3
80°-90°	96.4	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°	734.2	20.8
0°-40°	1305.6	36.9
0°-60°	2638.2	74.6
0°-90°	3535.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3535.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	838	839	839	839	838	80
15°	858	858	856	854	854	244
25°	899	895	887	878	874	417
35°	940	932	912	893	885	589
45°	922	910	882	851	837	708
55°	783	769	740	706	687	695
65°	541	534	515	488	474	534
75°	282	289	280	268	260	302
85°	86	90	89	88	84	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.0	836.0	836.0	836.0	836.0
2.5°	836.6	837.2	837.2	837.2	837.2
5°	838.5	839.1	839.1	839.1	838.5
7.5°	841.5	841.5	842.2	841.5	839.7
10°	845.9	845.9	845.9	845.2	844.6
12.5°	850.8	851.4	850.2	849.6	848.9
15°	857.6	857.6	855.7	853.9	853.9
17.5°	866.8	865.6	863.1	860.0	858.8
20°	876.1	874.8	870.5	865.6	863.1
22.5°	886.6	884.1	878.5	871.8	869.3
25°	898.9	895.2	887.2	877.9	874.2
27.5°	910.0	905.0	895.2	884.7	878.5
30°	921.7	915.5	902.6	889.0	882.9
32.5°	930.9	924.8	908.1	892.7	884.7
35°	939.6	931.6	912.4	893.3	884.7
37.5°	943.3	934.6	912.4	890.3	879.2
40°	942.0	932.8	908.1	882.9	869.9
42.5°	935.9	924.8	898.3	869.9	855.1
45°	922.3	910.0	881.6	851.4	836.6
47.5°	898.9	886.6	856.3	824.3	806.4
50°	868.1	855.1	826.8	791.0	772.5
52.5°	829.2	816.3	786.7	750.3	732.4
55°	783.0	769.4	740.4	705.9	687.4
57.5°	726.3	716.4	688.0	655.4	637.5
60°	668.3	658.4	632.5	601.7	583.8
62.5°	606.0	598.0	574.6	545.6	530.2
65°	540.7	534.5	514.8	488.3	474.1
67.5°	474.1	471.6	453.8	430.9	418.6
70°	407.5	408.8	394.0	373.6	363.1
72.5°	342.8	347.1	335.4	318.7	311.3
75°	282.4	289.1	280.5	267.6	260.2
77.5°	226.3	235.5	228.1	218.2	212.1
80°	183.7	183.1	180.0	172.6	167.1
82.5°	131.9	134.4	132.6	128.2	125.2
85°	85.7	90.0	89.4	87.5	83.8
87.5°	42.5	47.5	48.1	46.9	45.0
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	15.2	16.9	17.2	14.1	15.9	14.5	16.2	16.5
	3H	16.6	18.2	17.0	18.5	18.9	15.9	17.5	16.3	17.8	18.2
	4H	17.3	18.8	17.7	19.1	19.5	16.6	18.1	17.0	18.4	18.8
	6H	17.8	19.2	18.2	19.6	20.0	17.2	18.5	17.6	18.9	19.3
	8H	18.0	19.3	18.4	19.7	20.1	17.4	18.7	17.8	19.1	19.5
	12H	18.2	19.4	18.6	19.8	20.2	17.5	18.8	18.0	19.2	19.6
4H	2H	15.4	16.9	15.8	17.2	17.6	14.9	16.4	15.3	16.7	17.1
	3H	17.4	18.7	17.9	19.1	19.5	16.9	18.1	17.3	18.5	18.9
	4H	18.3	19.4	18.7	19.8	20.3	17.7	18.8	18.1	19.2	19.7
	6H	18.9	19.9	19.4	20.4	20.8	18.4	19.4	18.8	19.8	20.3
	8H	19.2	20.1	19.7	20.6	21.0	18.6	19.6	19.1	20.0	20.5
	12H	19.4	20.2	19.9	20.7	21.2	18.9	19.7	19.3	20.2	20.7
8H	4H	18.6	19.5	19.0	20.0	20.4	18.1	19.0	18.5	19.5	19.9
	6H	19.4	20.2	19.9	20.7	21.1	18.9	19.7	19.4	20.2	20.7
	8H	19.7	20.5	20.2	21.0	21.4	19.3	20.0	19.8	20.5	21.0
	12H	20.0	20.7	20.5	21.2	21.7	19.6	20.2	20.1	20.7	21.3
12H	4H	18.6	19.5	19.1	19.9	20.4	18.1	19.0	18.6	19.5	19.9
	6H	19.5	20.2	20.0	20.7	21.2	19.0	19.7	19.5	20.2	20.7
	8H	19.9	20.5	20.4	21.0	21.6	19.4	20.1	19.9	20.5	21.1













(END OF REPORT)