

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: P1527093

Luminaire Tested: 24CGTX-35-F125-L830

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527093
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-35-F125-L830
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

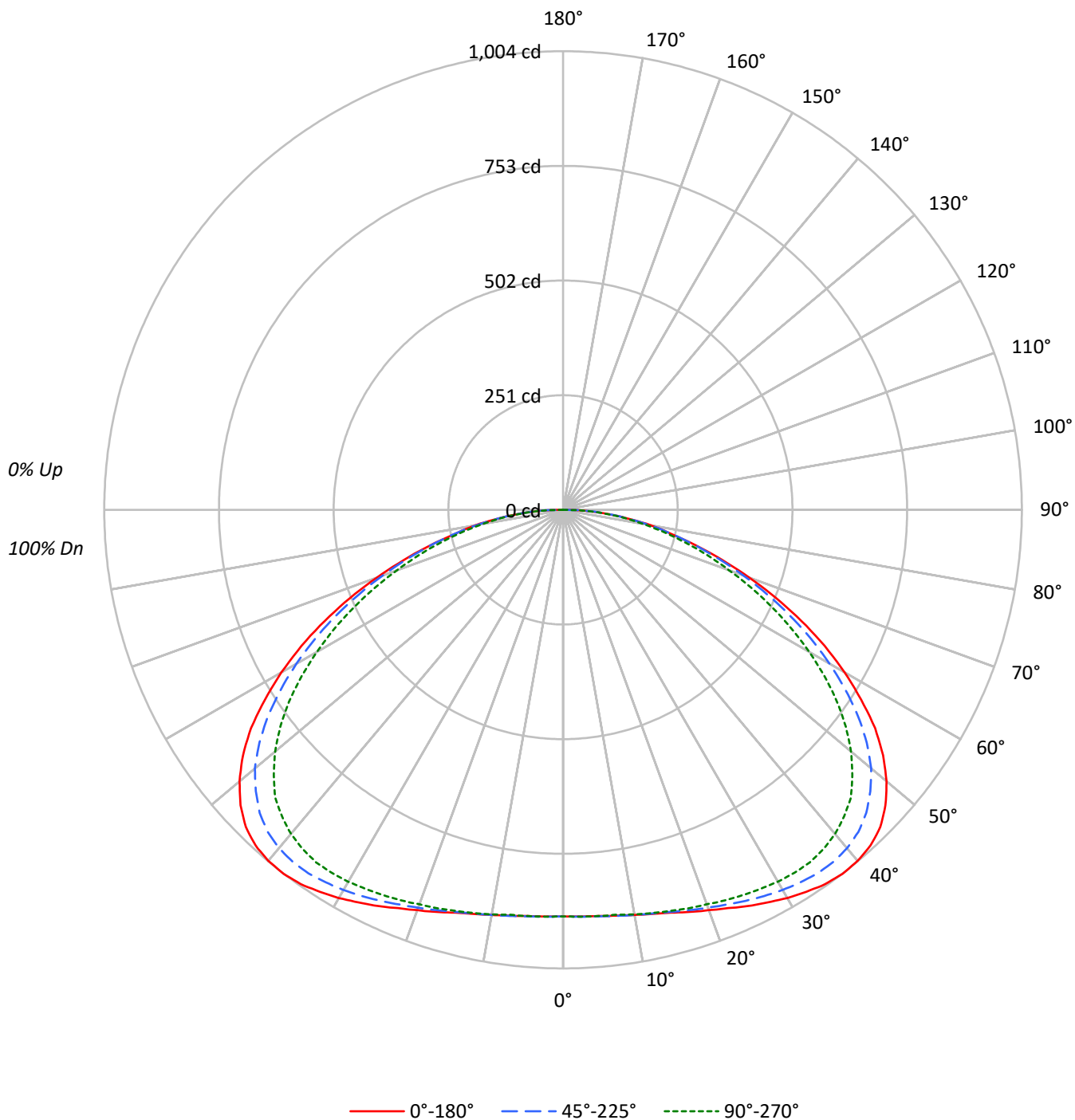
Lumens per Lamp: N/A
Luminaire Lumens: 3764.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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°	1198	1198	1198
5°	1206	1207	1206
10°	1230	1230	1229
15°	1272	1269	1266
20°	1336	1327	1316
25°	1421	1402	1382
30°	1525	1493	1460
35°	1643	1596	1547
40°	1762	1698	1627
45°	1869	1786	1695
50°	1935	1843	1722
55°	1955	1849	1717
60°	1915	1812	1673
65°	1833	1745	1607
70°	1707	1650	1521
75°	1563	1553	1440
80°	1516	1485	1378
85°	1408	1470	1379

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	2.3
10°-20°	258.9	6.9
20°-30°	437.3	11.6
30°-40°	608.4	16.2
40°-50°	720.1	19.1
50°-60°	698.7	18.6
60°-70°	538.3	14.3
70°-80°	314.1	8.3
80°-90°	102.7	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°	781.7	20.8
0°-40°	1390.1	36.9
0°-60°	2808.9	74.6
0°-90°	3764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	893	893	893	893	893	85
15°	913	913	911	909	909	260
25°	957	953	945	935	931	444
35°	1000	992	972	951	942	627
45°	982	969	939	906	891	754
55°	834	819	788	752	732	740
65°	576	569	548	520	505	569
75°	301	308	299	285	277	322
85°	91	96	95	93	89	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.1	890.1	890.1	890.1	890.1
2.5°	890.8	891.4	891.4	891.4	891.4
5°	892.7	893.4	893.4	893.4	892.7
7.5°	896.0	896.0	896.7	896.0	894.0
10°	900.6	900.6	900.6	899.9	899.3
12.5°	905.9	906.5	905.2	904.5	903.9
15°	913.1	913.1	911.1	909.1	909.1
17.5°	922.9	921.6	919.0	915.7	914.4
20°	932.8	931.5	926.9	921.6	919.0
22.5°	943.9	941.3	935.4	928.2	925.5
25°	957.1	953.1	944.6	934.7	930.8
27.5°	968.9	963.6	953.1	942.0	935.4
30°	981.3	974.8	961.0	946.5	940.0
32.5°	991.2	984.6	966.9	950.5	942.0
35°	1000.4	991.8	971.5	951.1	942.0
37.5°	1004.3	995.1	971.5	947.9	936.0
40°	1003.0	993.2	966.9	940.0	926.2
42.5°	996.4	984.6	956.4	926.2	910.4
45°	982.0	968.9	938.7	906.5	890.8
47.5°	957.1	943.9	911.8	877.6	858.6
50°	924.2	910.4	880.3	842.2	822.5
52.5°	882.9	869.1	837.6	798.9	779.8
55°	833.6	819.2	788.4	751.6	731.9
57.5°	773.3	762.8	732.6	697.8	678.7
60°	711.6	701.0	673.5	640.7	621.6
62.5°	645.3	636.7	611.8	580.9	564.5
65°	575.7	569.1	548.1	519.9	504.8
67.5°	504.8	502.2	483.1	458.8	445.7
70°	433.9	435.2	419.4	397.8	386.6
72.5°	365.0	369.6	357.1	339.4	331.5
75°	300.6	307.9	298.7	284.9	277.0
77.5°	240.9	250.8	242.9	232.4	225.8
80°	195.6	195.0	191.7	183.8	177.9
82.5°	140.5	143.1	141.1	136.5	133.3
85°	91.2	95.8	95.2	93.2	89.3
87.5°	45.3	50.5	51.2	49.9	47.9
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	15.0	16.8	15.4	17.1	17.4	14.3	16.1	14.7	16.4	16.7
	3H	16.8	18.4	17.2	18.7	19.1	16.1	17.7	16.5	18.0	18.4
	4H	17.5	19.0	17.9	19.3	19.7	16.8	18.3	17.2	18.7	19.0
	6H	18.0	19.4	18.4	19.8	20.2	17.4	18.8	17.8	19.1	19.5
	8H	18.2	19.6	18.6	19.9	20.3	17.6	18.9	18.0	19.3	19.7
	12H	18.4	19.6	18.8	20.0	20.5	17.8	19.0	18.2	19.4	19.8
4H	2H	15.6	17.1	16.0	17.5	17.8	15.1	16.6	15.5	16.9	17.3
	3H	17.7	18.9	18.1	19.3	19.7	17.1	18.4	17.5	18.7	19.1
	4H	18.5	19.6	18.9	20.0	20.5	17.9	19.1	18.3	19.5	19.9
	6H	19.2	20.2	19.6	20.6	21.1	18.6	19.6	19.1	20.0	20.5
	8H	19.4	20.4	19.9	20.8	21.3	18.9	19.8	19.3	20.2	20.7
	12H	19.6	20.5	20.1	20.9	21.4	19.1	19.9	19.6	20.4	20.9
8H	4H	18.8	19.7	19.3	20.2	20.6	18.3	19.2	18.8	19.7	20.1
	6H	19.6	20.4	20.1	20.9	21.4	19.1	19.9	19.6	20.4	20.9
	8H	20.0	20.7	20.5	21.2	21.7	19.5	20.2	20.0	20.7	21.2
	12H	20.3	20.9	20.8	21.4	21.9	19.8	20.4	20.3	20.9	21.5
12H	4H	18.8	19.7	19.3	20.2	20.6	18.4	19.2	18.8	19.7	20.1
	6H	19.7	20.4	20.2	20.9	21.4	19.2	20.0	19.8	20.4	20.9
	8H	20.1	20.7	20.6	21.2	21.8	19.6	20.3	20.2	20.8	21.3











(END OF REPORT)