

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: P1527095

Luminaire Tested: 24CGTX-35-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527095
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

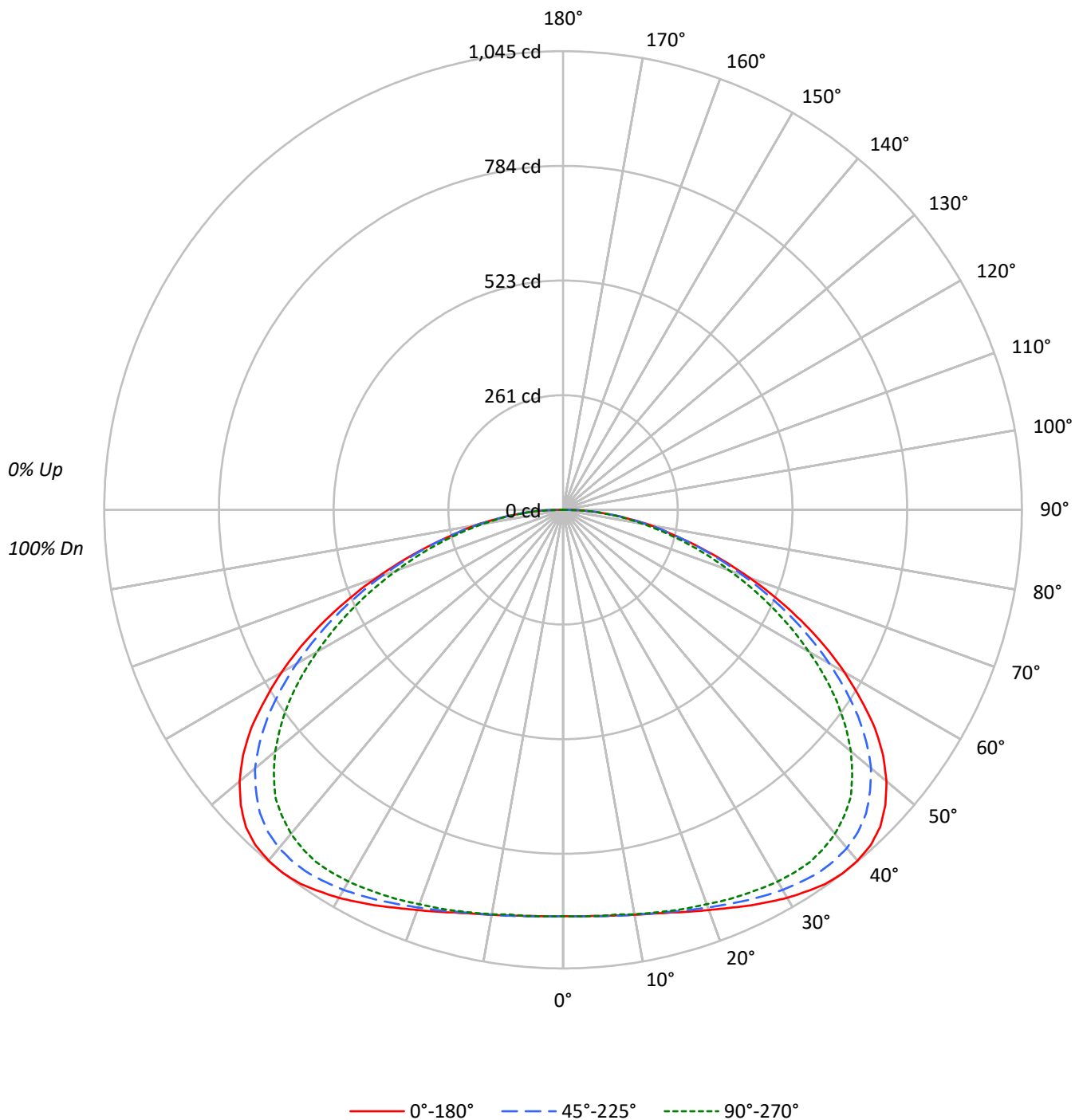
Lumens per Lamp: N/A
Luminaire Lumens: 3916.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	1246	1246	1246
5°	1254	1255	1254
10°	1280	1280	1278
15°	1323	1320	1317
20°	1389	1381	1369
25°	1478	1459	1438
30°	1586	1553	1519
35°	1710	1660	1610
40°	1833	1767	1692
45°	1944	1858	1763
50°	2013	1917	1791
55°	2035	1924	1786
60°	1992	1886	1740
65°	1907	1815	1672
70°	1776	1717	1582
75°	1626	1615	1498
80°	1577	1545	1434
85°	1465	1528	1434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 2035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	2.3
10°-20°	269.4	6.9
20°-30°	455.0	11.6
30°-40°	632.9	16.2
40°-50°	749.2	19.1
50°-60°	726.9	18.6
60°-70°	560.1	14.3
70°-80°	326.8	8.3
80°-90°	106.8	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°	813.3	20.8
0°-40°	1446.2	36.9
0°-60°	2922.4	74.6
0°-90°	3916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	929	930	930	930	929	89
15°	950	950	948	946	946	270
25°	996	992	983	972	968	461
35°	1041	1032	1011	990	980	652
45°	1022	1008	977	943	927	785
55°	867	852	820	782	762	770
65°	599	592	570	541	525	592
75°	313	320	311	296	288	335
85°	95	100	99	97	93	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	926.0	926.0	926.0	926.0	926.0
2.5°	926.7	927.4	927.4	927.4	927.4
5°	928.8	929.5	929.5	929.5	928.8
7.5°	932.2	932.2	932.9	932.2	930.1
10°	937.0	937.0	937.0	936.3	935.6
12.5°	942.4	943.1	941.7	941.1	940.4
15°	949.9	949.9	947.9	945.8	945.8
17.5°	960.2	958.8	956.1	952.7	951.3
20°	970.4	969.1	964.3	958.8	956.1
22.5°	982.0	979.3	973.2	965.7	962.9
25°	995.7	991.6	982.7	972.5	968.4
27.5°	1008.0	1002.5	991.6	980.0	973.2
30°	1021.0	1014.1	999.8	984.8	977.9
32.5°	1031.2	1024.4	1005.9	988.9	980.0
35°	1040.8	1031.9	1010.7	989.6	980.0
37.5°	1044.9	1035.3	1010.7	986.1	973.8
40°	1043.5	1033.3	1005.9	977.9	963.6
42.5°	1036.7	1024.4	995.0	963.6	947.2
45°	1021.7	1008.0	976.6	943.1	926.7
47.5°	995.7	982.0	948.6	913.1	893.3
50°	961.6	947.2	915.8	876.2	855.7
52.5°	918.5	904.2	871.4	831.1	811.3
55°	867.3	852.3	820.2	781.9	761.5
57.5°	804.5	793.6	762.1	725.9	706.1
60°	740.3	729.4	700.7	666.5	646.7
62.5°	671.3	662.4	636.5	604.4	587.3
65°	598.9	592.1	570.2	540.9	525.2
67.5°	525.2	522.4	502.6	477.4	463.7
70°	451.4	452.8	436.4	413.9	402.2
72.5°	379.7	384.5	371.5	353.1	344.9
75°	312.8	320.3	310.7	296.4	288.2
77.5°	250.6	260.9	252.7	241.8	234.9
80°	203.5	202.8	199.4	191.2	185.1
82.5°	146.1	148.9	146.8	142.0	138.6
85°	94.9	99.7	99.0	97.0	92.9
87.5°	47.1	52.6	53.3	51.9	49.9
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	15.2	16.9	15.5	17.2	17.5	14.5	16.2	14.8	16.5	16.8
	3H	17.0	18.6	17.3	18.9	19.2	16.3	17.9	16.7	18.2	18.5
	4H	17.6	19.1	18.0	19.5	19.9	17.0	18.5	17.4	18.8	19.2
	6H	18.2	19.6	18.6	19.9	20.3	17.5	18.9	17.9	19.3	19.7
	8H	18.4	19.7	18.8	20.1	20.5	17.7	19.1	18.1	19.4	19.8
	12H	18.5	19.8	18.9	20.2	20.6	17.9	19.2	18.3	19.5	20.0
4H	2H	15.8	17.2	16.1	17.6	18.0	15.2	16.7	15.6	17.1	17.4
	3H	17.8	19.1	18.2	19.5	19.9	17.2	18.5	17.6	18.9	19.3
	4H	18.6	19.8	19.0	20.2	20.6	18.1	19.2	18.5	19.6	20.0
	6H	19.3	20.3	19.7	20.7	21.2	18.7	19.7	19.2	20.2	20.6
	8H	19.5	20.5	20.0	20.9	21.4	19.0	19.9	19.5	20.4	20.8
	12H	19.8	20.6	20.2	21.1	21.5	19.2	20.1	19.7	20.5	21.0
8H	4H	18.9	19.9	19.4	20.3	20.8	18.4	19.4	18.9	19.8	20.3
	6H	19.8	20.5	20.2	21.0	21.5	19.3	20.1	19.8	20.5	21.0
	8H	20.1	20.8	20.6	21.3	21.8	19.6	20.3	20.1	20.8	21.3
	12H	20.4	21.0	20.9	21.5	22.1	19.9	20.6	20.4	21.1	21.6
12H	4H	19.0	19.8	19.5	20.3	20.8	18.5	19.3	19.0	19.8	20.3
	6H	19.8	20.6	20.4	21.0	21.5	19.4	20.1	19.9	20.5	21.1
	8H	20.2	20.9	20.7	21.4	21.9	19.8	20.4	20.3	20.9	21.5















(END OF REPORT)