

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: P1527099

Luminaire Tested: 24CGTX-35HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527099
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-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

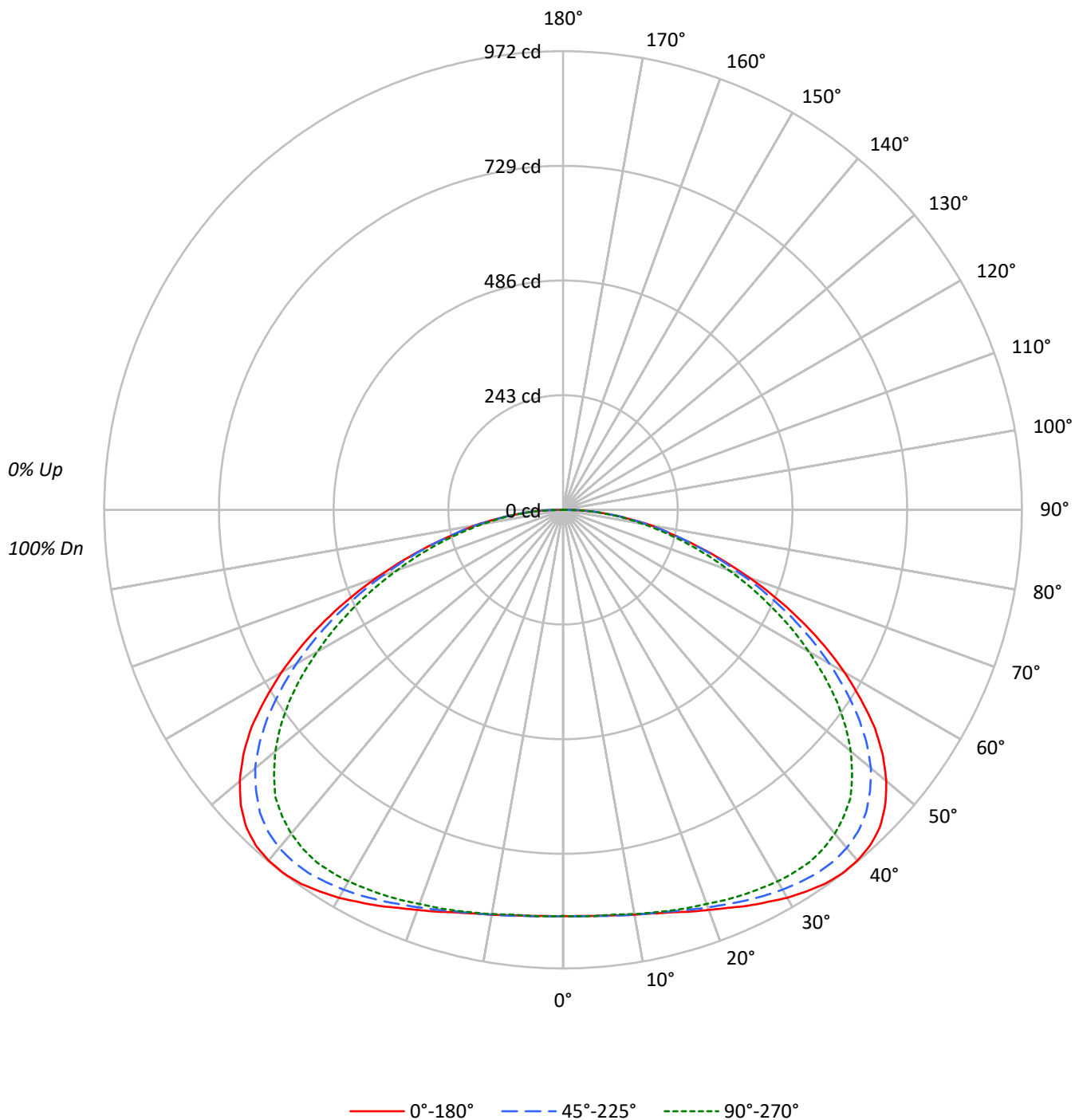
Lumens per Lamp: N/A
Luminaire Lumens: 3641.0 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1158	1158	1158
5°	1166	1167	1166
10°	1190	1190	1188
15°	1230	1228	1225
20°	1292	1284	1273
25°	1374	1356	1337
30°	1475	1444	1413
35°	1589	1543	1497
40°	1704	1643	1574
45°	1807	1728	1639
50°	1871	1782	1665
55°	1892	1789	1661
60°	1852	1753	1618
65°	1773	1688	1555
70°	1651	1596	1471
75°	1512	1502	1393
80°	1466	1437	1333
85°	1363	1422	1334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1892 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	2.3
10°-20°	250.5	6.9
20°-30°	423.0	11.6
30°-40°	588.5	16.2
40°-50°	696.6	19.1
50°-60°	675.8	18.6
60°-70°	520.7	14.3
70°-80°	303.8	8.3
80°-90°	99.3	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°	756.2	20.8
0°-40°	1344.7	36.9
0°-60°	2717.1	74.6
0°-90°	3641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	864	864	864	864	864	83
15°	883	883	881	879	879	251
25°	926	922	914	904	900	429
35°	968	959	940	920	911	606
45°	950	937	908	877	862	729
55°	806	792	763	727	708	716
65°	557	550	530	503	488	550
75°	291	298	289	276	268	312
85°	88	93	92	90	86	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	861.0	861.0	861.0	861.0	861.0
2.5°	861.6	862.3	862.3	862.3	862.3
5°	863.6	864.2	864.2	864.2	863.6
7.5°	866.7	866.7	867.4	866.7	864.8
10°	871.2	871.2	871.2	870.5	869.9
12.5°	876.2	876.9	875.6	875.0	874.3
15°	883.2	883.2	881.3	879.4	879.4
17.5°	892.8	891.5	888.9	885.8	884.5
20°	902.3	901.0	896.6	891.5	888.9
22.5°	913.1	910.5	904.8	897.8	895.3
25°	925.8	922.0	913.7	904.2	900.4
27.5°	937.2	932.1	922.0	911.2	904.8
30°	949.3	942.9	929.6	915.6	909.3
32.5°	958.8	952.4	935.3	919.4	911.2
35°	967.7	959.4	939.7	920.1	911.2
37.5°	971.5	962.6	939.7	916.9	905.5
40°	970.2	960.7	935.3	909.3	895.9
42.5°	963.9	952.4	925.1	895.9	880.7
45°	949.9	937.2	908.0	876.9	861.6
47.5°	925.8	913.1	882.0	848.9	830.5
50°	894.0	880.7	851.5	814.7	795.6
52.5°	854.0	840.7	810.2	772.8	754.3
55°	806.4	792.4	762.6	727.0	708.0
57.5°	748.0	737.8	708.6	675.0	656.6
60°	688.3	678.1	651.5	619.7	601.3
62.5°	624.2	615.9	591.8	561.9	546.1
65°	556.9	550.5	530.2	502.9	488.3
67.5°	488.3	485.7	467.3	443.8	431.1
70°	419.7	421.0	405.7	384.8	374.0
72.5°	353.0	357.5	345.4	328.3	320.7
75°	290.8	297.8	288.9	275.6	268.0
77.5°	233.0	242.6	234.9	224.8	218.4
80°	189.2	188.6	185.4	177.8	172.1
82.5°	135.9	138.4	136.5	132.1	128.9
85°	88.3	92.7	92.1	90.2	86.4
87.5°	43.8	48.9	49.5	48.3	46.4
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	14.9	16.6	15.3	17.0	17.3	14.2	16.0	14.6	16.3	16.6
	3H	16.7	18.3	17.1	18.6	19.0	16.0	17.6	16.4	17.9	18.3
	4H	17.4	18.9	17.8	19.2	19.6	16.7	18.2	17.1	18.6	18.9
	6H	17.9	19.3	18.3	19.7	20.1	17.3	18.7	17.7	19.0	19.4
	8H	18.1	19.4	18.5	19.8	20.2	17.5	18.8	17.9	19.2	19.6
	12H	18.3	19.5	18.7	19.9	20.3	17.6	18.9	18.1	19.3	19.7
4H	2H	15.5	17.0	15.9	17.3	17.7	15.0	16.5	15.4	16.8	17.2
	3H	17.5	18.8	18.0	19.2	19.6	17.0	18.2	17.4	18.6	19.0
	4H	18.4	19.5	18.8	19.9	20.4	17.8	18.9	18.2	19.4	19.8
	6H	19.0	20.0	19.5	20.5	20.9	18.5	19.5	18.9	19.9	20.4
	8H	19.3	20.2	19.8	20.7	21.1	18.8	19.7	19.2	20.1	20.6
	12H	19.5	20.4	20.0	20.8	21.3	19.0	19.8	19.5	20.3	20.8
8H	4H	18.7	19.6	19.1	20.1	20.5	18.2	19.1	18.6	19.6	20.0
	6H	19.5	20.3	20.0	20.8	21.2	19.0	19.8	19.5	20.3	20.8
	8H	19.8	20.6	20.3	21.1	21.5	19.4	20.1	19.9	20.6	21.1
	12H	20.1	20.8	20.6	21.3	21.8	19.7	20.3	20.2	20.8	21.4
12H	4H	18.7	19.6	19.2	20.0	20.5	18.2	19.1	18.7	19.6	20.0
	6H	19.6	20.3	20.1	20.8	21.3	19.1	19.8	19.6	20.3	20.8
	8H	20.0	20.6	20.5	21.1	21.7	19.5	20.2	20.0	20.7	21.2













(END OF REPORT)