

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: P1527103

Luminaire Tested: 24CGTX-35HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527103
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

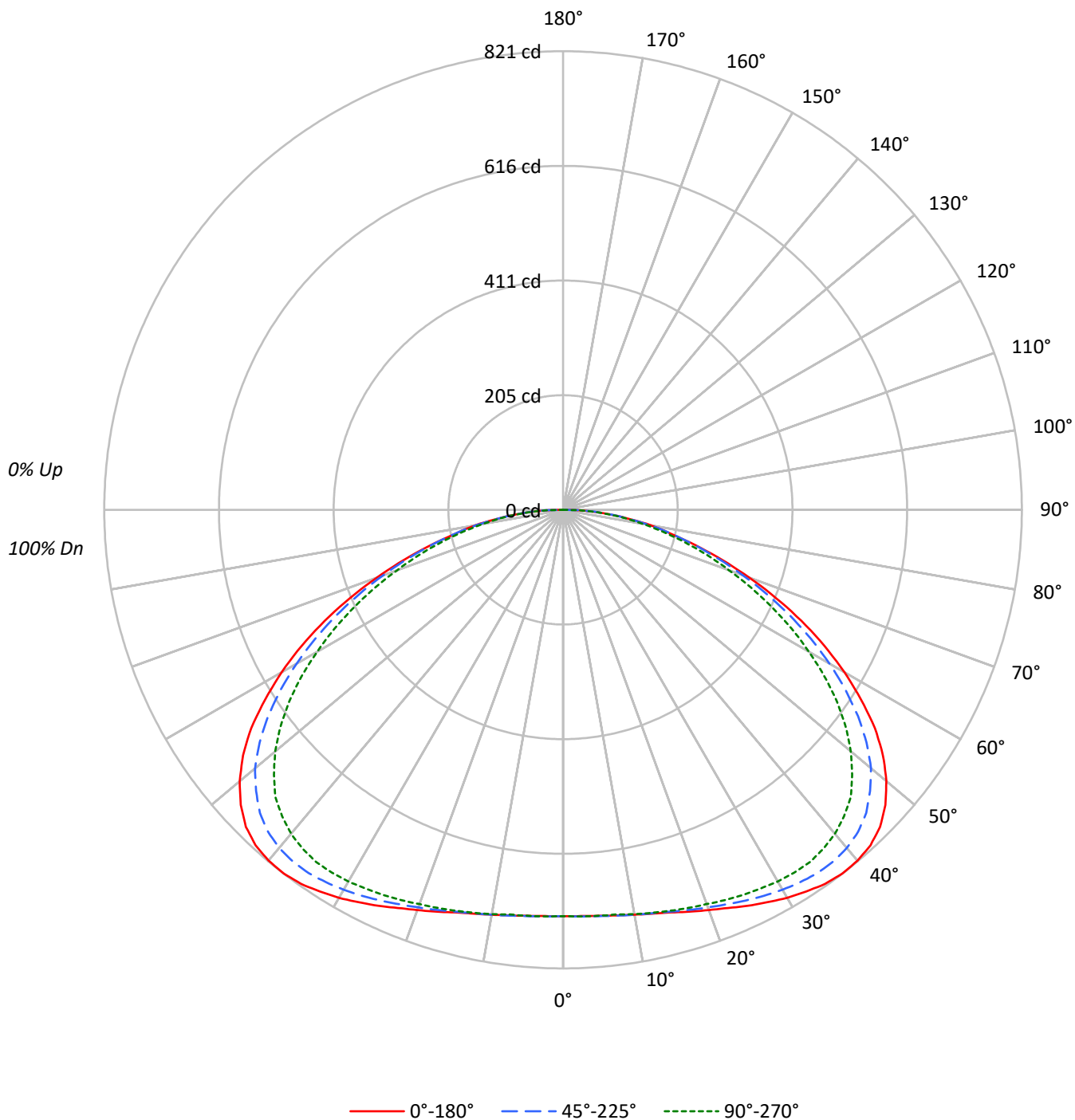
Lumens per Lamp: N/A
Luminaire Lumens: 3076.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	979	979	979
5°	985	986	985
10°	1006	1006	1004
15°	1039	1037	1035
20°	1091	1084	1075
25°	1161	1146	1129
30°	1246	1220	1194
35°	1343	1304	1264
40°	1440	1388	1329
45°	1527	1460	1385
50°	1581	1506	1407
55°	1598	1511	1403
60°	1565	1481	1367
65°	1498	1426	1313
70°	1395	1349	1243
75°	1277	1269	1177
80°	1239	1213	1127
85°	1152	1201	1127

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	2.3
10°-20°	211.6	6.9
20°-30°	357.4	11.6
30°-40°	497.2	16.2
40°-50°	588.5	19.1
50°-60°	571.0	18.6
60°-70°	439.9	14.3
70°-80°	256.7	8.3
80°-90°	83.9	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°	638.9	20.8
0°-40°	1136.0	36.9
0°-60°	2295.5	74.6
0°-90°	3076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	727	727	727	727	727	
5°	730	730	730	730	730	70
15°	746	746	745	743	743	212
25°	782	779	772	764	761	362
35°	818	810	794	777	770	512
45°	802	792	767	741	728	616
55°	681	670	644	614	598	605
65°	470	465	448	425	412	465
75°	246	252	244	233	226	263
85°	75	78	78	76	73	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	727.4	727.4	727.4	727.4	727.4
2.5°	727.9	728.5	728.5	728.5	728.5
5°	729.5	730.1	730.1	730.1	729.5
7.5°	732.2	732.2	732.8	732.2	730.6
10°	736.0	736.0	736.0	735.4	734.9
12.5°	740.3	740.8	739.7	739.2	738.7
15°	746.2	746.2	744.6	743.0	743.0
17.5°	754.2	753.2	751.0	748.3	747.2
20°	762.3	761.2	757.4	753.2	751.0
22.5°	771.4	769.2	764.4	758.5	756.4
25°	782.1	778.9	771.9	763.9	760.7
27.5°	791.8	787.5	778.9	769.8	764.4
30°	802.0	796.6	785.3	773.5	768.2
32.5°	810.0	804.6	790.2	776.8	769.8
35°	817.5	810.5	793.9	777.3	769.8
37.5°	820.7	813.2	793.9	774.6	765.0
40°	819.7	811.6	790.2	768.2	756.9
42.5°	814.3	804.6	781.6	756.9	744.0
45°	802.5	791.8	767.1	740.8	727.9
47.5°	782.1	771.4	745.1	717.2	701.7
50°	755.3	744.0	719.4	688.2	672.1
52.5°	721.5	710.2	684.5	652.8	637.3
55°	681.3	669.5	644.3	614.2	598.1
57.5°	631.9	623.3	598.7	570.2	554.7
60°	581.5	572.9	550.4	523.6	508.0
62.5°	527.3	520.3	500.0	474.7	461.3
65°	470.5	465.1	447.9	424.9	412.5
67.5°	412.5	410.4	394.8	375.0	364.2
70°	354.6	355.7	342.8	325.1	316.0
72.5°	298.3	302.0	291.8	277.3	270.9
75°	245.7	251.6	244.1	232.8	226.4
77.5°	196.9	204.9	198.5	189.9	184.5
80°	159.9	159.3	156.6	150.2	145.4
82.5°	114.8	116.9	115.3	111.6	108.9
85°	74.6	78.3	77.8	76.2	73.0
87.5°	37.0	41.3	41.8	40.8	39.2
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	14.3	16.1	14.7	16.4	16.7	13.6	15.4	14.0	15.7	16.0
	3H	16.1	17.7	16.5	18.0	18.4	15.4	17.0	15.8	17.3	17.7
	4H	16.8	18.3	17.2	18.6	19.0	16.1	17.6	16.5	18.0	18.3
	6H	17.3	18.7	17.7	19.1	19.5	16.7	18.1	17.1	18.4	18.8
	8H	17.5	18.9	17.9	19.2	19.6	16.9	18.2	17.3	18.6	19.0
	12H	17.7	18.9	18.1	19.3	19.8	17.1	18.3	17.5	18.7	19.1
4H	2H	14.9	16.4	15.3	16.8	17.1	14.4	15.9	14.8	16.2	16.6
	3H	17.0	18.2	17.4	18.6	19.0	16.4	17.7	16.8	18.0	18.4
	4H	17.8	18.9	18.2	19.3	19.8	17.2	18.4	17.6	18.8	19.2
	6H	18.5	19.5	18.9	19.9	20.4	17.9	18.9	18.4	19.3	19.8
	8H	18.7	19.7	19.2	20.1	20.6	18.2	19.1	18.6	19.5	20.0
	12H	18.9	19.8	19.4	20.2	20.7	18.4	19.2	18.9	19.7	20.2
8H	4H	18.1	19.0	18.6	19.5	19.9	17.6	18.5	18.1	19.0	19.4
	6H	18.9	19.7	19.4	20.2	20.7	18.4	19.2	18.9	19.7	20.2
	8H	19.3	20.0	19.8	20.5	21.0	18.8	19.5	19.3	20.0	20.5
	12H	19.6	20.2	20.1	20.7	21.2	19.1	19.7	19.6	20.2	20.8
12H	4H	18.1	19.0	18.6	19.5	19.9	17.7	18.5	18.1	19.0	19.4
	6H	19.0	19.7	19.5	20.2	20.7	18.5	19.3	19.1	19.7	20.2
	8H	19.4	20.0	19.9	20.5	21.1	18.9	19.6	19.5	20.1	20.6















(END OF REPORT)