

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: P1527088

Luminaire Tested: 24CGTX-30HE-F125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527088
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-30HE-F125-L840
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

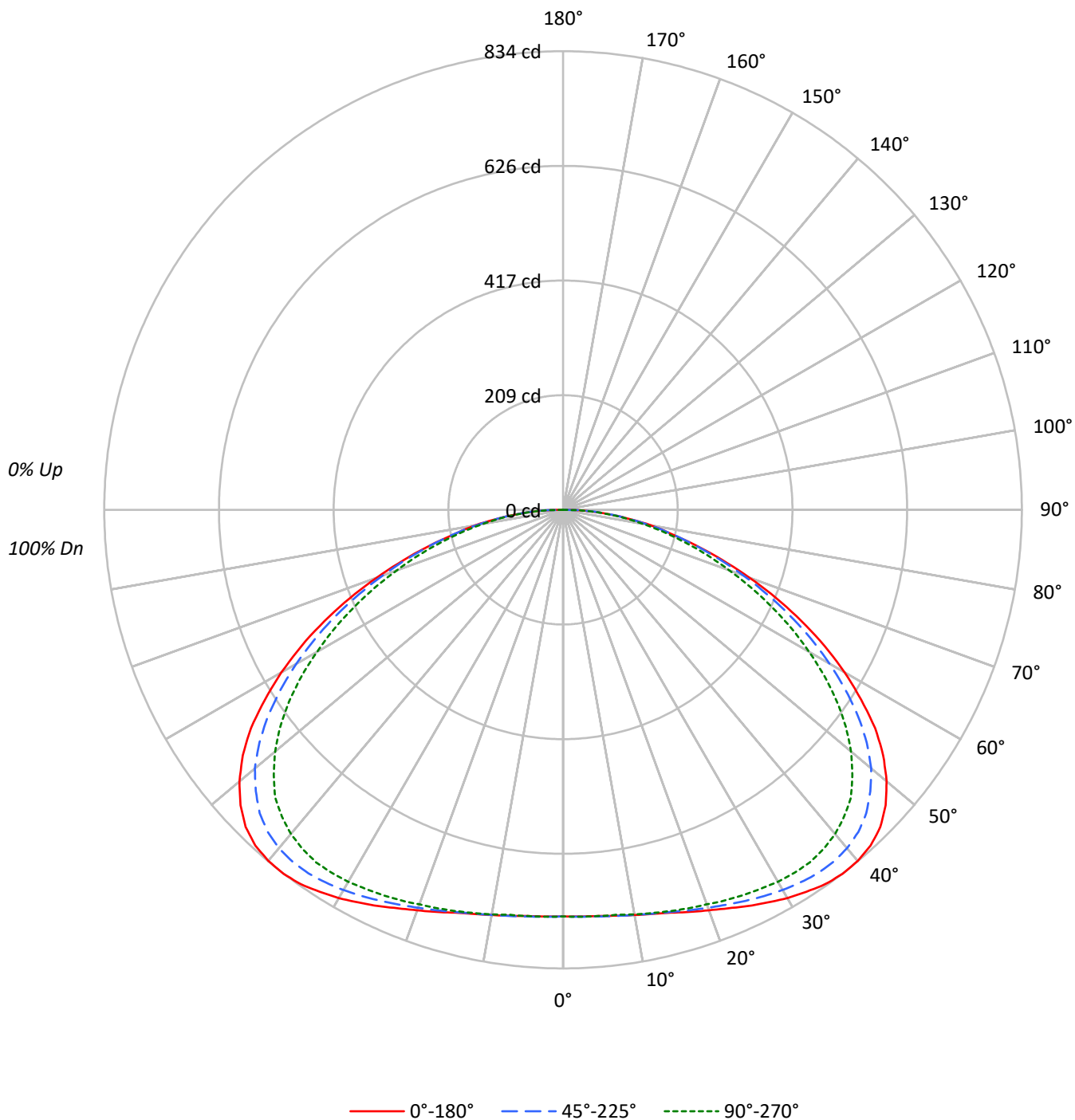
Lumens per Lamp: N/A
Luminaire Lumens: 3127.0 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.9
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	50	30	10
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°	995	995	995
5°	1002	1002	1002
10°	1022	1022	1021
15°	1057	1054	1052
20°	1110	1103	1093
25°	1180	1165	1148
30°	1267	1240	1213
35°	1365	1326	1285
40°	1464	1411	1352
45°	1552	1484	1408
50°	1607	1531	1430
55°	1625	1536	1426
60°	1591	1506	1390
65°	1523	1450	1335
70°	1418	1371	1264
75°	1299	1290	1196
80°	1259	1234	1145
85°	1170	1221	1145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 55°
Luminance: 1625 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	2.3
10°-20°	215.1	6.9
20°-30°	363.3	11.6
30°-40°	505.4	16.2
40°-50°	598.3	19.1
50°-60°	580.4	18.6
60°-70°	447.2	14.3
70°-80°	260.9	8.3
80°-90°	85.3	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°	649.4	20.8
0°-40°	1154.9	36.9
0°-60°	2333.6	74.6
0°-90°	3127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3127.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	740	740	740	740	740	
5°	742	742	742	742	742	71
15°	758	758	757	755	755	216
25°	795	792	785	776	773	368
35°	831	824	807	790	782	521
45°	816	805	780	753	740	626
55°	693	681	655	624	608	615
65°	478	473	455	432	419	472
75°	250	256	248	237	230	268
85°	76	80	79	77	74	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	739.5	739.5	739.5	739.5	739.5
2.5°	740.0	740.6	740.6	740.6	740.6
5°	741.6	742.2	742.2	742.2	741.6
7.5°	744.4	744.4	744.9	744.4	742.7
10°	748.2	748.2	748.2	747.6	747.1
12.5°	752.5	753.1	752.0	751.5	750.9
15°	758.5	758.5	756.9	755.3	755.3
17.5°	766.7	765.6	763.5	760.7	759.6
20°	774.9	773.8	770.0	765.6	763.5
22.5°	784.2	782.0	777.1	771.1	768.9
25°	795.1	791.8	784.7	776.5	773.3
27.5°	804.9	800.5	791.8	782.5	777.1
30°	815.3	809.8	798.4	786.4	780.9
32.5°	823.4	818.0	803.3	789.6	782.5
35°	831.1	824.0	807.1	790.2	782.5
37.5°	834.3	826.7	807.1	787.5	777.6
40°	833.3	825.1	803.3	780.9	769.5
42.5°	827.8	818.0	794.5	769.5	756.4
45°	815.8	804.9	779.8	753.1	740.0
47.5°	795.1	784.2	757.5	729.1	713.3
50°	767.8	756.4	731.3	699.7	683.3
52.5°	733.5	722.0	695.8	663.7	647.8
55°	692.6	680.6	654.9	624.4	608.0
57.5°	642.4	633.7	608.6	579.7	563.9
60°	591.1	582.4	559.5	532.2	516.4
62.5°	536.1	529.0	508.2	482.6	469.0
65°	478.3	472.8	455.3	431.9	419.4
67.5°	419.4	417.2	401.4	381.2	370.3
70°	360.5	361.6	348.5	330.5	321.2
72.5°	303.2	307.0	296.7	281.9	275.4
75°	249.8	255.8	248.1	236.7	230.1
77.5°	200.1	208.3	201.8	193.0	187.6
80°	162.5	162.0	159.2	152.7	147.8
82.5°	116.7	118.9	117.2	113.4	110.7
85°	75.8	79.6	79.1	77.4	74.2
87.5°	37.6	42.0	42.5	41.4	39.8
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	14.4	16.1	14.7	16.4	16.7	13.7	15.4	14.1	15.8	16.1
	3H	16.2	17.8	16.6	18.1	18.5	15.5	17.1	15.9	17.4	17.8
	4H	16.9	18.4	17.3	18.7	19.1	16.2	17.7	16.6	18.0	18.4
	6H	17.4	18.8	17.8	19.1	19.5	16.7	18.1	17.1	18.5	18.9
	8H	17.6	18.9	18.0	19.3	19.7	16.9	18.3	17.4	18.7	19.1
	12H	17.7	19.0	18.2	19.4	19.8	17.1	18.4	17.5	18.8	19.2
4H	2H	15.0	16.5	15.4	16.8	17.2	14.4	15.9	14.8	16.3	16.7
	3H	17.0	18.3	17.4	18.7	19.1	16.5	17.7	16.9	18.1	18.5
	4H	17.8	19.0	18.3	19.4	19.8	17.3	18.4	17.7	18.8	19.3
	6H	18.5	19.5	19.0	20.0	20.4	18.0	19.0	18.4	19.4	19.9
	8H	18.8	19.7	19.2	20.1	20.6	18.2	19.2	18.7	19.6	20.1
	12H	19.0	19.8	19.4	20.3	20.8	18.4	19.3	18.9	19.8	20.2
8H	4H	18.2	19.1	18.6	19.5	20.0	17.7	18.6	18.1	19.0	19.5
	6H	19.0	19.8	19.5	20.2	20.7	18.5	19.3	19.0	19.8	20.2
	8H	19.3	20.0	19.8	20.5	21.0	18.8	19.6	19.3	20.1	20.5
	12H	19.6	20.2	20.1	20.7	21.3	19.2	19.8	19.7	20.3	20.8
12H	4H	18.2	19.0	18.7	19.5	20.0	17.7	18.6	18.2	19.0	19.5
	6H	19.1	19.8	19.6	20.2	20.8	18.6	19.3	19.1	19.8	20.3
	8H	19.5	20.1	20.0	20.6	21.1	19.0	19.6	19.5	20.1	20.7













(END OF REPORT)