

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: P1527092

Luminaire Tested: 24CGTX-30HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527092
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

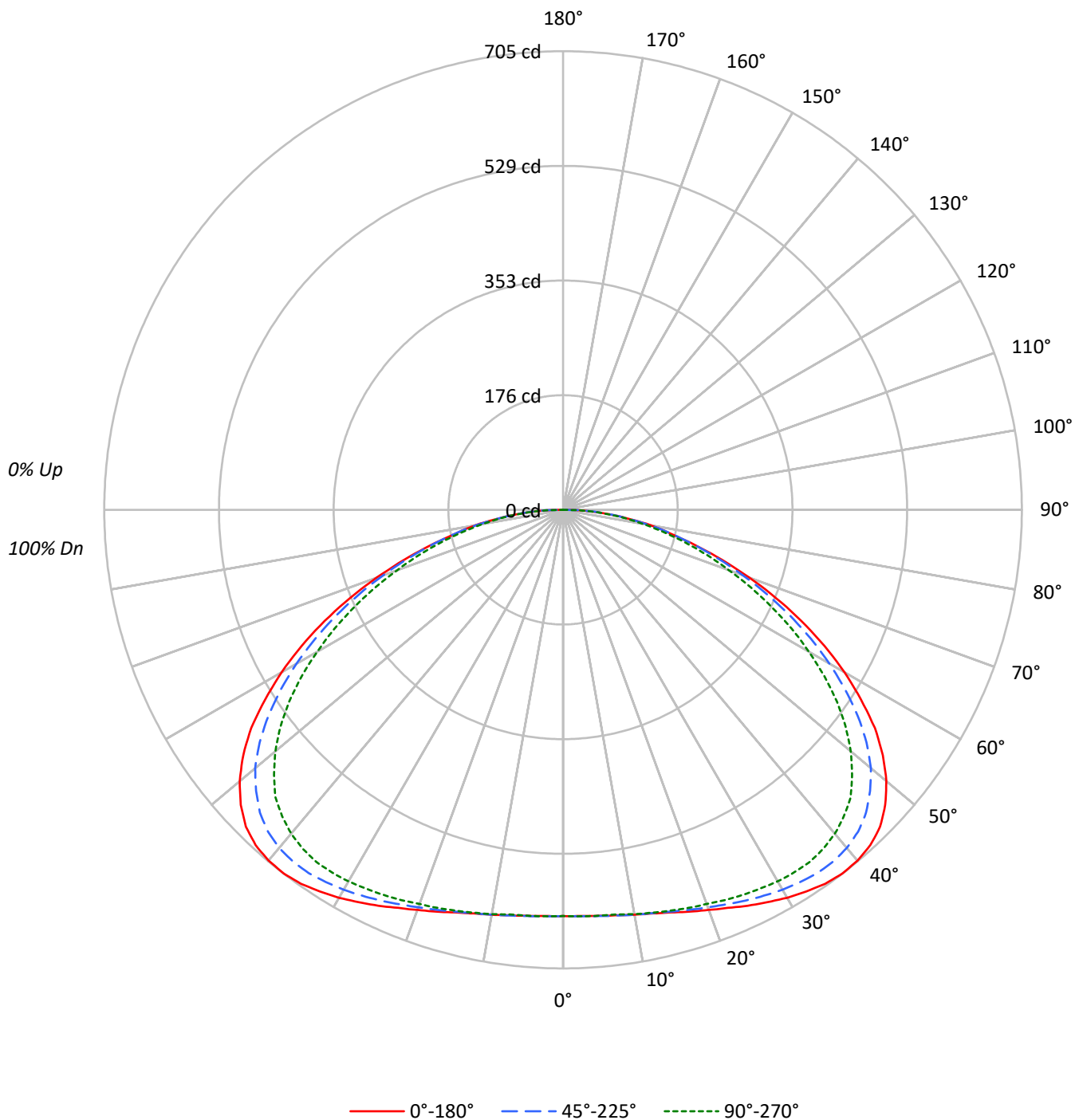
Lumens per Lamp: N/A
Luminaire Lumens: 2641.0 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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°	840	840	840
5°	846	847	846
10°	863	863	862
15°	892	891	889
20°	937	931	923
25°	997	984	970
30°	1070	1048	1025
35°	1153	1120	1086
40°	1236	1192	1141
45°	1311	1253	1189
50°	1357	1293	1208
55°	1372	1297	1205
60°	1344	1271	1174
65°	1286	1224	1128
70°	1197	1158	1067
75°	1096	1090	1011
80°	1064	1042	967
85°	988	1031	966

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1372 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	2.3
10°-20°	181.7	6.9
20°-30°	306.8	11.6
30°-40°	426.9	16.2
40°-50°	505.3	19.1
50°-60°	490.2	18.6
60°-70°	377.7	14.3
70°-80°	220.4	8.3
80°-90°	72.0	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°	548.5	20.8
0°-40°	975.4	36.9
0°-60°	1970.9	74.6
0°-90°	2641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	626	627	627	627	626	60
15°	641	641	639	638	638	182
25°	672	669	663	656	653	311
35°	702	696	682	667	661	440
45°	689	680	659	636	625	529
55°	585	575	553	527	514	519
65°	404	399	385	365	354	399
75°	211	216	210	200	194	226
85°	64	67	67	65	63	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.5	624.5	624.5	624.5	624.5
2.5°	625.0	625.5	625.5	625.5	625.5
5°	626.4	626.8	626.8	626.8	626.4
7.5°	628.7	628.7	629.1	628.7	627.3
10°	631.9	631.9	631.9	631.4	631.0
12.5°	635.6	636.0	635.1	634.7	634.2
15°	640.7	640.7	639.3	637.9	637.9
17.5°	647.6	646.6	644.8	642.5	641.6
20°	654.5	653.6	650.3	646.6	644.8
22.5°	662.3	660.5	656.3	651.2	649.4
25°	671.5	668.7	662.8	655.9	653.1
27.5°	679.8	676.1	668.7	660.9	656.3
30°	688.6	683.9	674.3	664.1	659.5
32.5°	695.5	690.9	678.4	666.9	660.9
35°	701.9	695.9	681.6	667.4	660.9
37.5°	704.7	698.2	681.6	665.1	656.8
40°	703.8	696.8	678.4	659.5	649.9
42.5°	699.1	690.9	671.1	649.9	638.8
45°	689.0	679.8	658.6	636.0	625.0
47.5°	671.5	662.3	639.7	615.8	602.4
50°	648.5	638.8	617.6	590.9	577.1
52.5°	619.5	609.8	587.7	560.5	547.2
55°	584.9	574.8	553.1	527.4	513.5
57.5°	542.6	535.2	514.0	489.6	476.2
60°	499.3	491.9	472.5	449.5	436.2
62.5°	452.7	446.8	429.3	407.6	396.1
65°	403.9	399.3	384.6	364.8	354.2
67.5°	354.2	352.3	339.0	321.9	312.7
70°	304.4	305.4	294.3	279.1	271.3
72.5°	256.1	259.3	250.6	238.1	232.6
75°	210.9	216.0	209.6	199.9	194.4
77.5°	169.0	175.9	170.4	163.0	158.4
80°	137.3	136.8	134.5	129.0	124.8
82.5°	98.6	100.4	99.0	95.8	93.5
85°	64.0	67.2	66.8	65.4	62.6
87.5°	31.8	35.5	35.9	35.0	33.6
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	13.8	15.5	14.2	15.8	16.2	13.1	14.9	13.5	15.2	15.5
	3H	15.6	17.2	16.0	17.5	17.9	14.9	16.5	15.3	16.8	17.2
	4H	16.3	17.8	16.7	18.1	18.5	15.6	17.1	16.0	17.4	17.8
	6H	16.8	18.2	17.2	18.5	18.9	16.1	17.5	16.6	17.9	18.3
	8H	17.0	18.3	17.4	18.7	19.1	16.4	17.7	16.8	18.1	18.5
	12H	17.1	18.4	17.6	18.8	19.2	16.5	17.8	16.9	18.2	18.6
4H	2H	14.4	15.9	14.8	16.2	16.6	13.9	15.3	14.3	15.7	16.1
	3H	16.4	17.7	16.8	18.1	18.5	15.9	17.1	16.3	17.5	17.9
	4H	17.2	18.4	17.7	18.8	19.2	16.7	17.8	17.1	18.2	18.7
	6H	17.9	18.9	18.4	19.4	19.8	17.4	18.4	17.8	18.8	19.3
	8H	18.2	19.1	18.6	19.6	20.0	17.6	18.6	18.1	19.0	19.5
	12H	18.4	19.2	18.9	19.7	20.2	17.9	18.7	18.3	19.2	19.6
8H	4H	17.6	18.5	18.0	18.9	19.4	17.1	18.0	17.5	18.5	18.9
	6H	18.4	19.2	18.9	19.7	20.1	17.9	18.7	18.4	19.2	19.6
	8H	18.7	19.4	19.2	19.9	20.4	18.3	19.0	18.8	19.5	20.0
	12H	19.0	19.7	19.5	20.1	20.7	18.6	19.2	19.1	19.7	20.2
12H	4H	17.6	18.5	18.1	18.9	19.4	17.1	18.0	17.6	18.5	18.9
	6H	18.5	19.2	19.0	19.6	20.2	18.0	18.7	18.5	19.2	19.7
	8H	18.9	19.5	19.4	20.0	20.5	18.4	19.0	18.9	19.5	20.1













(END OF REPORT)