

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: P1527087

Luminaire Tested: 24CGTX-30HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527087
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

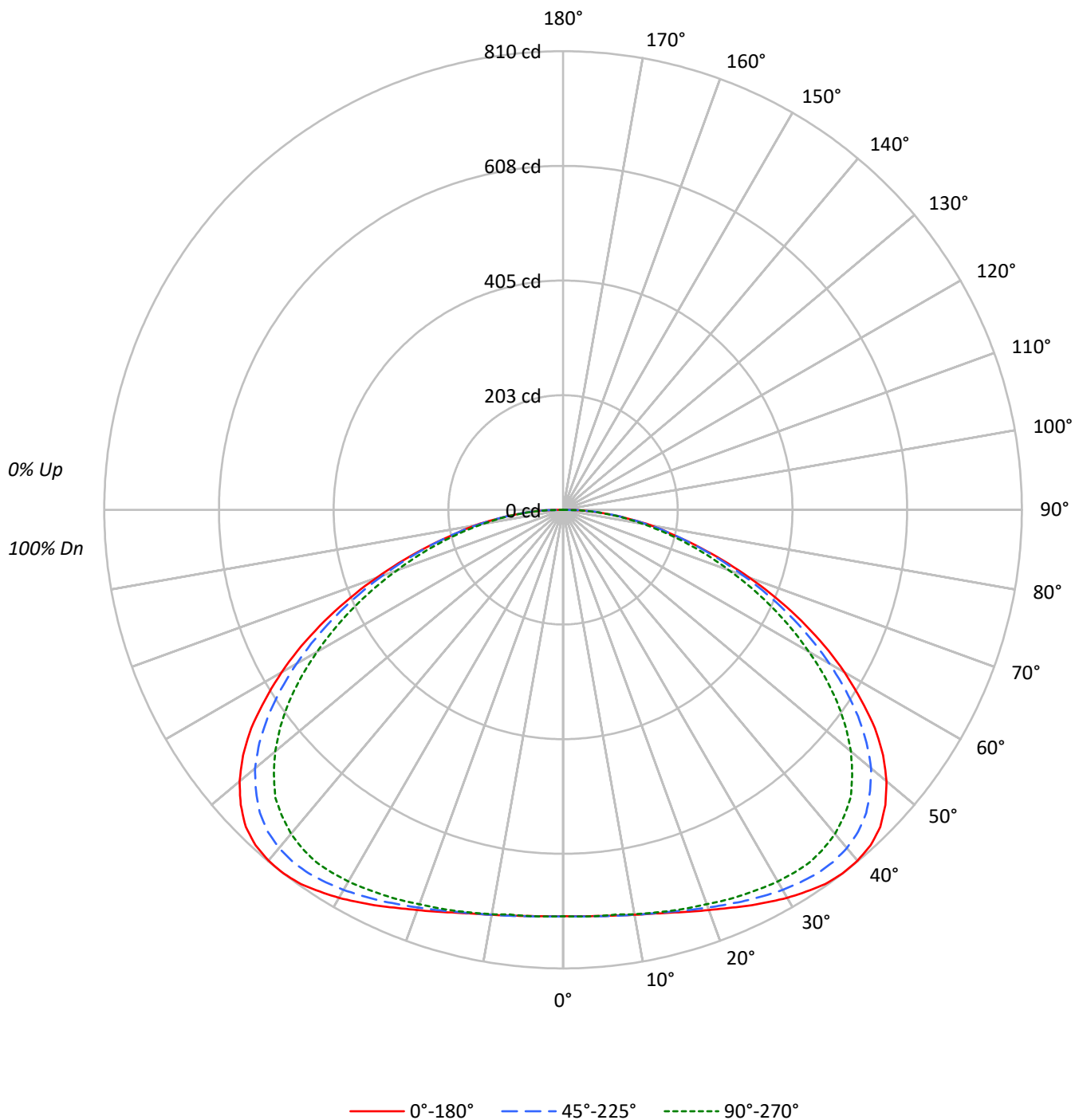
Lumens per Lamp: N/A
Luminaire Lumens: 3035.6 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	966	966	966
5°	972	973	972
10°	992	992	991
15°	1026	1024	1021
20°	1077	1070	1061
25°	1146	1131	1114
30°	1230	1204	1178
35°	1325	1287	1248
40°	1421	1370	1312
45°	1507	1440	1367
50°	1560	1486	1388
55°	1577	1491	1385
60°	1544	1461	1349
65°	1478	1407	1296
70°	1376	1331	1227
75°	1261	1252	1161
80°	1223	1198	1112
85°	1136	1186	1112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 1577 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	2.3
10°-20°	208.8	6.9
20°-30°	352.7	11.6
30°-40°	490.6	16.2
40°-50°	580.8	19.1
50°-60°	563.5	18.6
60°-70°	434.1	14.3
70°-80°	253.3	8.3
80°-90°	82.8	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°	630.5	20.8
0°-40°	1121.1	36.9
0°-60°	2265.3	74.6
0°-90°	3035.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3035.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	720	720	720	720	720	69
15°	736	736	735	733	733	209
25°	772	769	762	754	751	358
35°	807	800	784	767	760	505
45°	792	781	757	731	718	608
55°	672	661	636	606	590	597
65°	464	459	442	419	407	459
75°	242	248	241	230	223	260
85°	74	77	77	75	72	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	717.8	717.8	717.8	717.8	717.8
2.5°	718.4	718.9	718.9	718.9	718.9
5°	720.0	720.5	720.5	720.5	720.0
7.5°	722.6	722.6	723.1	722.6	721.0
10°	726.3	726.3	726.3	725.8	725.2
12.5°	730.5	731.1	730.0	729.5	729.0
15°	736.4	736.4	734.8	733.2	733.2
17.5°	744.3	743.2	741.1	738.5	737.4
20°	752.2	751.2	747.5	743.2	741.1
22.5°	761.2	759.1	754.4	748.5	746.4
25°	771.8	768.7	761.8	753.8	750.7
27.5°	781.4	777.1	768.7	759.7	754.4
30°	791.4	786.1	775.0	763.4	758.1
32.5°	799.4	794.1	779.8	766.5	759.7
35°	806.8	799.9	783.5	767.1	759.7
37.5°	809.9	802.5	783.5	764.4	754.9
40°	808.9	800.9	779.8	758.1	747.0
42.5°	803.6	794.1	771.3	747.0	734.2
45°	792.0	781.4	757.0	731.1	718.4
47.5°	771.8	761.2	735.3	707.8	692.4
50°	745.4	734.2	709.9	679.2	663.3
52.5°	712.0	700.9	675.5	644.3	628.9
55°	672.3	660.7	635.8	606.1	590.3
57.5°	623.6	615.1	590.8	562.7	547.4
60°	573.8	565.4	543.1	516.7	501.3
62.5°	520.4	513.5	493.4	468.5	455.3
65°	464.3	459.0	442.0	419.3	407.1
67.5°	407.1	405.0	389.6	370.0	359.4
70°	349.9	351.0	338.3	320.8	311.8
72.5°	294.3	298.0	288.0	273.7	267.3
75°	242.5	248.3	240.9	229.8	223.4
77.5°	194.3	202.2	195.9	187.4	182.1
80°	157.8	157.2	154.6	148.2	143.5
82.5°	113.3	115.4	113.8	110.1	107.5
85°	73.6	77.3	76.8	75.2	72.0
87.5°	36.5	40.8	41.3	40.2	38.6
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	14.3	16.0	14.6	16.3	16.6	13.6	15.3	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	18.2	17.2	18.6	19.0	16.1	17.6	16.5	17.9	18.3
	6H	17.3	18.7	17.7	19.0	19.4	16.6	18.0	17.0	18.4	18.8
	8H	17.5	18.8	17.9	19.2	19.6	16.8	18.2	17.3	18.6	19.0
	12H	17.6	18.9	18.1	19.3	19.7	17.0	18.3	17.4	18.7	19.1
4H	2H	14.9	16.4	15.3	16.7	17.1	14.3	15.8	14.7	16.2	16.6
	3H	16.9	18.2	17.3	18.6	19.0	16.3	17.6	16.8	18.0	18.4
	4H	17.7	18.9	18.2	19.3	19.7	17.2	18.3	17.6	18.7	19.2
	6H	18.4	19.4	18.9	19.9	20.3	17.9	18.9	18.3	19.3	19.7
	8H	18.7	19.6	19.1	20.0	20.5	18.1	19.1	18.6	19.5	20.0
	12H	18.9	19.7	19.3	20.2	20.7	18.3	19.2	18.8	19.7	20.1
8H	4H	18.1	19.0	18.5	19.4	19.9	17.6	18.5	18.0	18.9	19.4
	6H	18.9	19.7	19.4	20.1	20.6	18.4	19.2	18.9	19.7	20.1
	8H	19.2	19.9	19.7	20.4	20.9	18.7	19.4	19.2	20.0	20.4
	12H	19.5	20.1	20.0	20.6	21.2	19.1	19.7	19.6	20.2	20.7
12H	4H	18.1	18.9	18.6	19.4	19.9	17.6	18.5	18.1	18.9	19.4
	6H	19.0	19.7	19.5	20.1	20.7	18.5	19.2	19.0	19.7	20.2
	8H	19.4	20.0	19.9	20.5	21.0	18.9	19.5	19.4	20.0	20.6











(END OF REPORT)