

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: P1526977

Luminaire Tested: 14CGTX-30HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-30HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

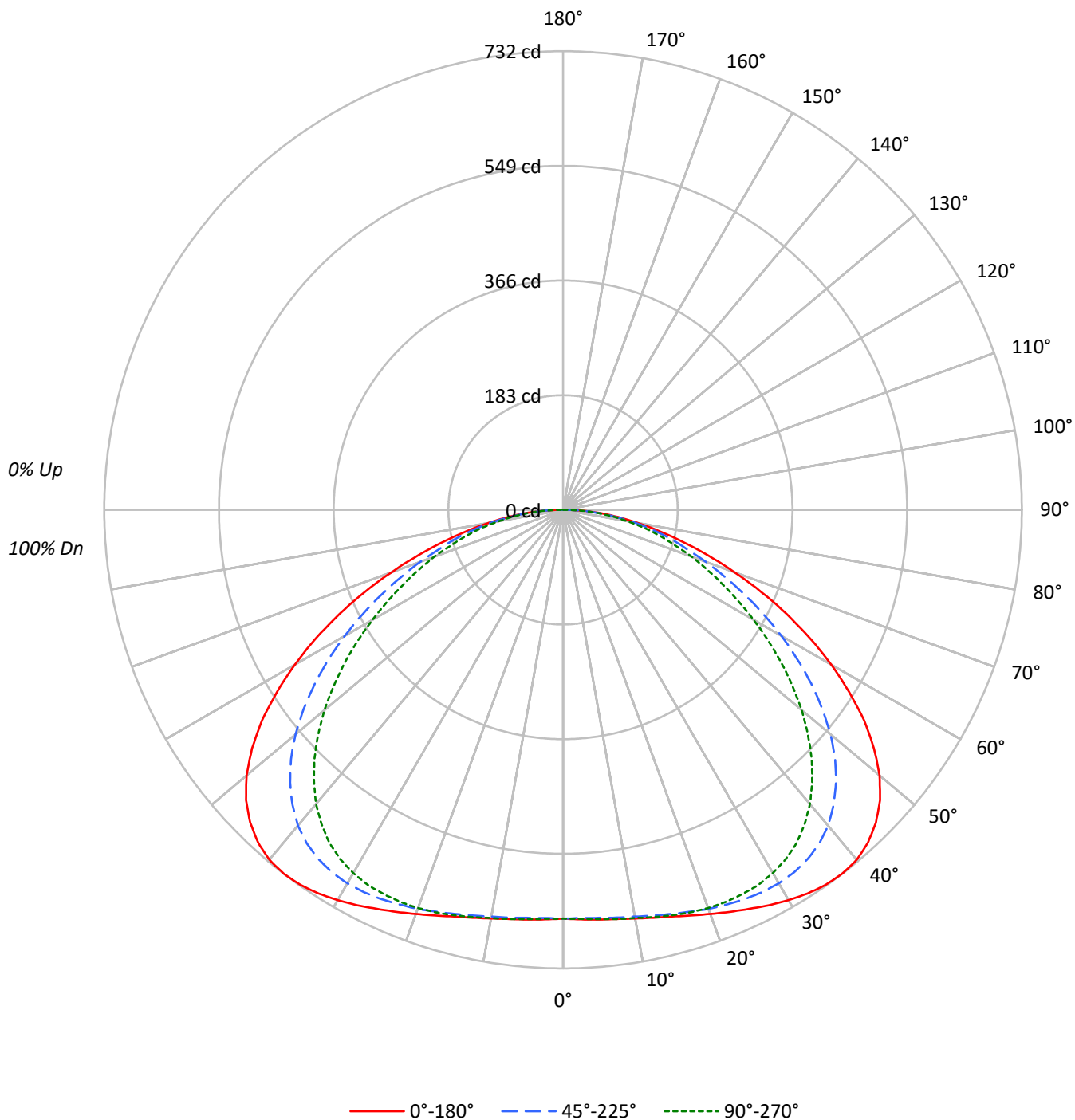
Lumens per Lamp: N/A
Luminaire Lumens: 2500.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.4
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

TEST NUMBER: P1526977

CATALOG NUMBER: 14CGTX-30HE-F125-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1526977

CATALOG NUMBER: 14CGTX-30HE-F125-L935

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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	108	103	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85		82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70		68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58		56
4	81	68	59	52	78	67	58	52	64	57	51		62	56	50		60	54	50		47
5	74	61	51	44	72	59	51	44	57	50	44		55	48	43		53	47	43		40
6	68	54	45	38	66	53	44	38	51	44	38		50	43	37		48	42	37		35
7	63	49	40	33	61	48	39	33	46	39	33		45	38	33		44	37	32		30
8	58	44	36	29	57	44	35	29	42	35	29		41	34	29		40	34	29		27
9	54	41	32	26	53	40	32	26	39	31	26		38	31	26		37	30	26		24
10	51	37	29	24	50	37	29	24	36	28	23		35	28	23		34	28	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1756	1756	1756
5°	1773	1766	1771
10°	1809	1801	1808
15°	1872	1860	1867
20°	1965	1941	1936
25°	2086	2036	2010
30°	2235	2139	2080
35°	2400	2235	2133
40°	2561	2311	2153
45°	2686	2343	2134
50°	2758	2331	2080
55°	2752	2267	1993
60°	2660	2163	1889
65°	2505	2031	1786
70°	2292	1902	1717
75°	2062	1831	1658
80°	1886	1779	1602
85°	1812	1701	1602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2764 cd/sqm

TEST NUMBER: P1526977

CATALOG NUMBER: 14CGTX-30HE-F125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	2.5
10°-20°	190.1	7.6
20°-30°	318.1	12.7
30°-40°	428.6	17.1
40°-50°	480.8	19.2
50°-60°	441.2	17.6
60°-70°	326.3	13.1
70°-80°	189.8	7.6
80°-90°	62.4	2.5
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°	570.9	22.8
0°-40°	999.5	40.0
0°-60°	1921.5	76.9
0°-90°	2500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	656	656	654	654	656	63
15°	672	671	668	668	670	191
25°	703	697	686	678	677	326
35°	731	715	680	657	649	458
45°	706	679	616	574	561	543
55°	586	553	483	438	425	521
65°	393	370	319	290	280	389
75°	198	196	176	162	160	212
85°	59	60	55	56	52	64
90°	0	0	0	0	0	

TEST NUMBER: P1526977

CATALOG NUMBER: 14CGTX-30HE-F125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	652.4	652.4	652.4	652.4	652.4
2.5°	654.3	654.3	652.0	652.7	653.4
5°	656.3	656.0	653.7	654.0	655.6
7.5°	658.6	658.6	656.3	656.3	658.6
10°	662.2	661.5	659.2	659.9	661.5
12.5°	666.7	665.4	663.1	663.8	665.7
15°	671.9	670.6	667.7	668.4	670.0
17.5°	678.8	676.8	672.6	672.6	673.6
20°	686.3	683.0	677.8	675.2	676.2
22.5°	694.5	690.2	681.7	677.2	677.5
25°	702.6	697.4	685.6	678.1	676.8
27.5°	711.4	703.9	687.9	677.5	674.9
30°	719.2	709.8	688.3	673.9	669.3
32.5°	726.1	713.7	686.0	667.1	661.2
35°	730.7	715.3	680.4	656.6	649.4
37.5°	732.0	713.4	671.3	642.3	632.8
40°	729.0	707.2	657.9	623.3	612.9
42.5°	720.2	696.1	639.0	600.5	588.1
45°	705.9	679.1	615.8	574.1	560.7
47.5°	686.0	655.6	588.8	543.8	529.7
50°	658.9	626.9	556.8	510.8	496.8
52.5°	625.3	592.0	521.2	475.9	460.9
55°	586.5	552.9	483.1	438.1	424.7
57.5°	541.1	510.2	443.0	400.2	387.5
60°	494.2	464.8	401.9	362.4	351.0
62.5°	444.6	417.8	360.4	324.9	315.1
65°	393.4	369.6	319.0	290.0	280.5
67.5°	342.2	323.9	279.5	253.8	248.6
70°	291.3	277.6	241.7	224.7	218.2
72.5°	243.0	235.8	205.8	194.4	185.6
75°	198.3	195.7	176.1	162.1	159.5
77.5°	157.9	161.8	144.8	134.7	132.4
80°	121.7	125.6	114.8	106.3	103.4
82.5°	88.7	93.9	83.2	81.2	78.3
85°	58.7	60.3	55.1	55.8	51.9
87.5°	28.7	32.0	29.0	30.0	28.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1526977

CATALOG NUMBER: 14CGTX-30HE-F125-L935

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	16.2	17.9	16.5	18.2	18.5	14.4	16.1	14.7	16.4	16.7
	3H	17.9	19.4	18.3	19.8	20.1	16.1	17.6	16.4	17.9	18.3
	4H	18.5	20.0	18.9	20.3	20.7	16.8	18.2	17.2	18.6	18.9
	6H	19.0	20.4	19.4	20.7	21.1	17.3	18.7	17.8	19.1	19.5
	8H	19.2	20.5	19.6	20.9	21.3	17.6	18.9	18.0	19.2	19.6
	12H	19.3	20.6	19.8	21.0	21.4	17.7	19.0	18.2	19.4	19.8
4H	2H	16.6	18.0	17.0	18.4	18.7	15.1	16.6	15.5	16.9	17.3
	3H	18.6	19.8	19.0	20.2	20.6	17.1	18.3	17.5	18.7	19.1
	4H	19.4	20.5	19.8	20.9	21.3	17.9	19.0	18.3	19.4	19.8
	6H	20.0	21.0	20.5	21.4	21.9	18.6	19.6	19.0	20.0	20.5
	8H	20.3	21.2	20.7	21.6	22.1	18.9	19.8	19.3	20.2	20.7
	12H	20.5	21.3	20.9	21.8	22.2	19.1	19.9	19.6	20.4	20.9
8H	4H	19.6	20.5	20.1	21.0	21.4	18.3	19.2	18.8	19.7	20.1
	6H	20.4	21.2	20.9	21.7	22.1	19.2	19.9	19.6	20.4	20.9
	8H	20.8	21.4	21.3	21.9	22.4	19.5	20.2	20.0	20.7	21.2
	12H	21.0	21.7	21.5	22.1	22.7	19.9	20.5	20.4	21.0	21.5
12H	4H	19.6	20.5	20.1	20.9	21.4	18.4	19.2	18.8	19.7	20.1
	6H	20.5	21.2	21.0	21.6	22.2	19.3	20.0	19.8	20.4	21.0
	8H	20.9	21.5	21.4	22.0	22.5	19.7	20.3	20.2	20.8	21.4













(END OF REPORT)