

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: P1526973

Luminaire Tested: 14CGTX-30HE-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526973
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-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

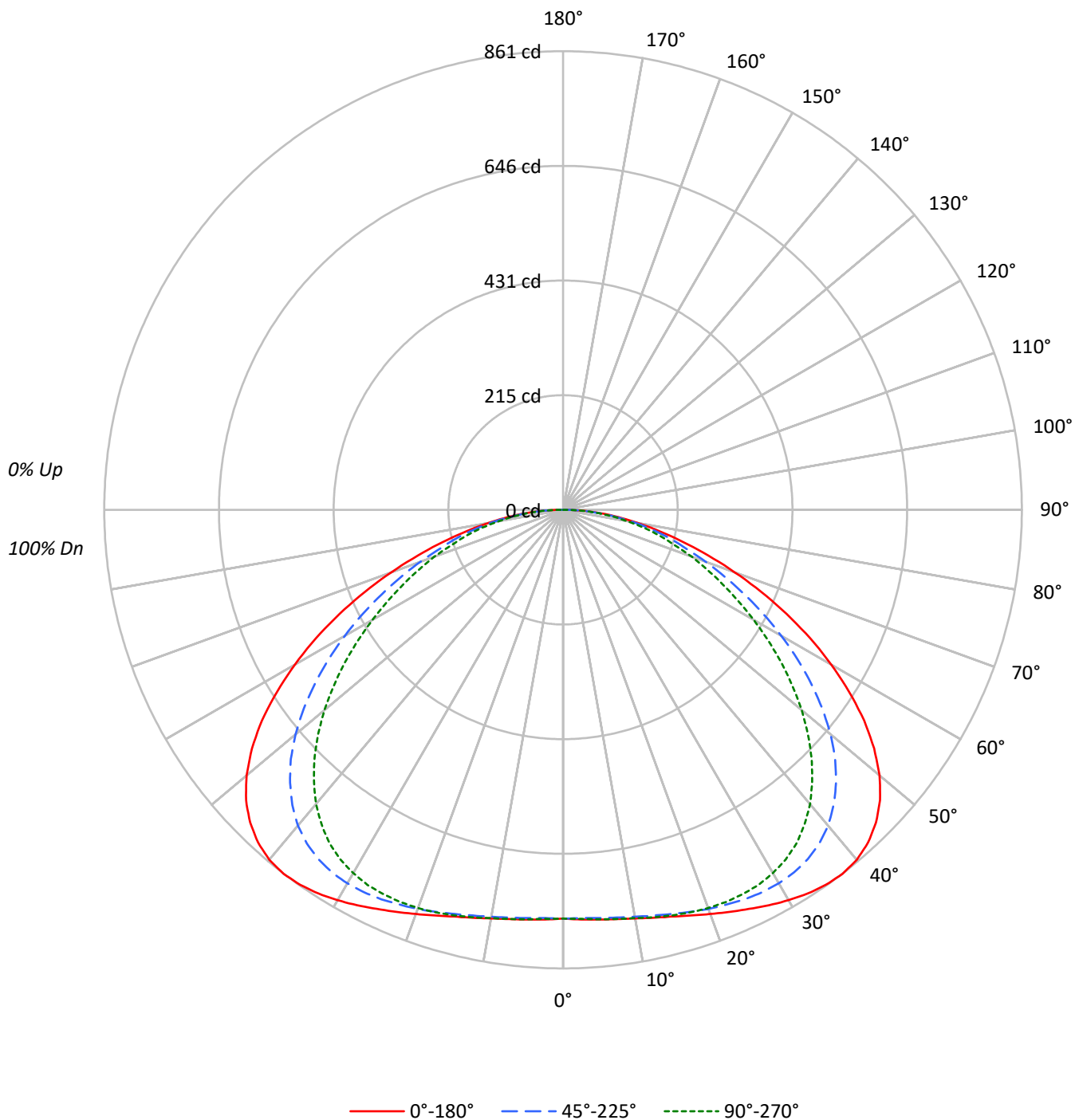
Lumens per Lamp: N/A
Luminaire Lumens: 2941.3 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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		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°	2065	2065	2065
5°	2086	2078	2084
10°	2129	2119	2127
15°	2202	2189	2196
20°	2312	2284	2278
25°	2454	2395	2364
30°	2629	2516	2447
35°	2824	2630	2510
40°	3013	2719	2533
45°	3161	2757	2511
50°	3245	2743	2447
55°	3237	2666	2344
60°	3129	2545	2222
65°	2947	2390	2101
70°	2696	2238	2020
75°	2426	2154	1952
80°	2218	2094	1886
85°	2133	2004	1883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 3252 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	2.5
10°-20°	223.7	7.6
20°-30°	374.3	12.7
30°-40°	504.3	17.1
40°-50°	565.6	19.2
50°-60°	519.0	17.6
60°-70°	383.9	13.1
70°-80°	223.3	7.6
80°-90°	73.4	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°	671.7	22.8
0°-40°	1175.9	40.0
0°-60°	2260.6	76.9
0°-90°	2941.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2941.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	772	772	769	769	771	74
15°	790	789	786	786	788	225
25°	827	820	807	798	796	383
35°	860	842	800	772	764	538
45°	830	799	724	675	660	638
55°	690	650	568	515	500	613
65°	463	435	375	341	330	458
75°	233	230	207	191	188	250
85°	69	71	65	66	61	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	767.5	767.5	767.5	767.5	767.5
2.5°	769.8	769.8	767.1	767.9	768.7
5°	772.1	771.7	769.1	769.4	771.4
7.5°	774.8	774.8	772.1	772.1	774.8
10°	779.0	778.3	775.6	776.3	778.3
12.5°	784.4	782.9	780.2	781.0	783.3
15°	790.5	789.0	785.6	786.3	788.2
17.5°	798.6	796.3	791.3	791.3	792.5
20°	807.4	803.6	797.5	794.4	795.5
22.5°	817.0	812.0	802.1	796.7	797.1
25°	826.6	820.5	806.7	797.8	796.3
27.5°	837.0	828.2	809.3	797.1	794.0
30°	846.2	835.1	809.7	792.8	787.5
32.5°	854.2	839.7	807.0	784.8	777.9
35°	859.6	841.6	800.5	772.5	764.1
37.5°	861.2	839.3	789.8	755.6	744.5
40°	857.7	832.0	774.0	733.4	721.1
42.5°	847.3	818.9	751.8	706.5	691.9
45°	830.5	799.0	724.5	675.4	659.7
47.5°	807.0	771.4	692.7	639.7	623.2
50°	775.2	737.6	655.1	601.0	584.5
52.5°	735.7	696.5	613.2	559.9	542.3
55°	690.0	650.5	568.3	515.4	499.7
57.5°	636.7	600.2	521.1	470.9	455.9
60°	581.4	546.9	472.8	426.4	412.9
62.5°	523.1	491.6	424.1	382.2	370.7
65°	462.8	434.8	375.3	341.2	330.0
67.5°	402.6	381.1	328.9	298.6	292.4
70°	342.7	326.6	284.4	264.4	256.7
72.5°	285.9	277.5	242.2	228.7	218.4
75°	233.3	230.3	207.2	190.7	187.7
77.5°	185.7	190.3	170.4	158.5	155.8
80°	143.1	147.7	135.1	125.1	121.7
82.5°	104.4	110.5	97.9	95.6	92.1
85°	69.1	71.0	64.9	65.6	61.0
87.5°	33.8	37.6	34.2	35.3	33.0
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	16.7	18.4	17.1	18.7	19.0	14.9	16.6	15.3	16.9	17.2
	3H	18.5	20.0	18.8	20.3	20.7	16.6	18.2	17.0	18.5	18.9
	4H	19.1	20.6	19.5	20.9	21.3	17.3	18.8	17.7	19.1	19.5
	6H	19.6	20.9	20.0	21.3	21.7	17.9	19.3	18.3	19.6	20.0
	8H	19.8	21.1	20.2	21.5	21.8	18.1	19.4	18.6	19.8	20.2
	12H	19.9	21.1	20.3	21.5	22.0	18.3	19.5	18.7	19.9	20.4
4H	2H	17.1	18.6	17.5	18.9	19.3	15.7	17.1	16.1	17.5	17.9
	3H	19.1	20.4	19.5	20.7	21.1	17.6	18.8	18.0	19.2	19.6
	4H	19.9	21.0	20.4	21.4	21.9	18.4	19.5	18.9	20.0	20.4
	6H	20.6	21.6	21.0	22.0	22.5	19.2	20.1	19.6	20.6	21.0
	8H	20.8	21.7	21.3	22.2	22.6	19.4	20.3	19.9	20.8	21.2
	12H	21.0	21.8	21.5	22.3	22.8	19.7	20.5	20.1	21.0	21.4
8H	4H	20.2	21.1	20.6	21.5	22.0	18.9	19.8	19.3	20.2	20.7
	6H	21.0	21.7	21.5	22.2	22.7	19.7	20.5	20.2	21.0	21.4
	8H	21.3	22.0	21.8	22.5	23.0	20.1	20.8	20.6	21.3	21.8
	12H	21.6	22.2	22.1	22.7	23.3	20.4	21.0	20.9	21.5	22.1
12H	4H	20.2	21.0	20.7	21.5	22.0	18.9	19.8	19.4	20.2	20.7
	6H	21.0	21.7	21.6	22.2	22.7	19.8	20.5	20.4	21.0	21.5
	8H	21.4	22.0	21.9	22.5	23.1	20.3	20.9	20.8	21.4	21.9













(END OF REPORT)