

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: P1526978

Luminaire Tested: 14CGTX-30HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526978
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

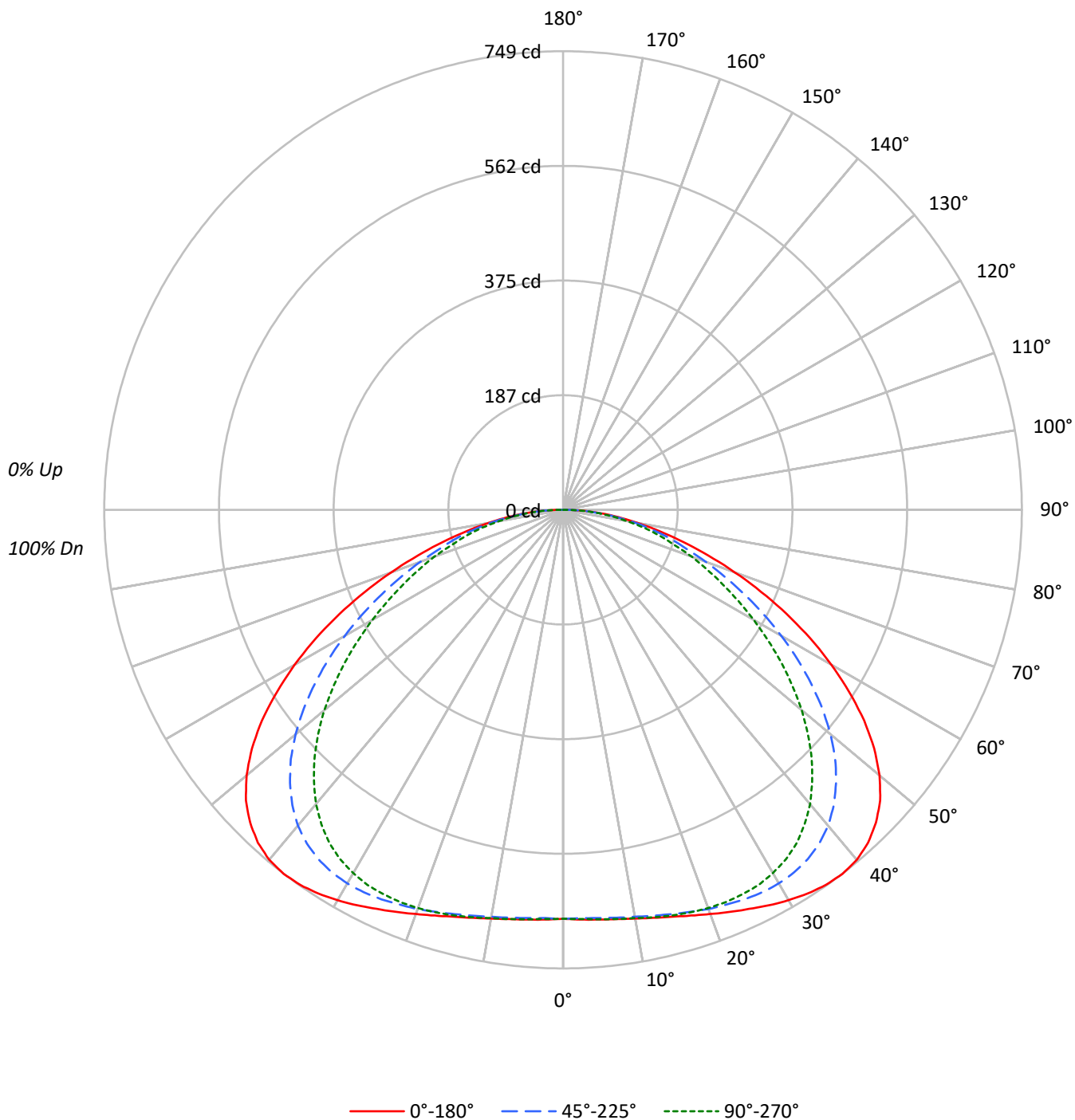
Lumens per Lamp: N/A
Luminaire Lumens: 2558.9 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1797	1797	1797
5°	1815	1807	1813
10°	1852	1844	1850
15°	1916	1904	1911
20°	2012	1987	1982
25°	2135	2084	2057
30°	2288	2189	2129
35°	2457	2288	2184
40°	2621	2366	2204
45°	2750	2399	2184
50°	2823	2386	2129
55°	2816	2320	2039
60°	2722	2214	1934
65°	2564	2079	1828
70°	2346	1947	1758
75°	2111	1875	1698
80°	1929	1821	1640
85°	1856	1741	1639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2830 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	2.5
10°-20°	194.6	7.6
20°-30°	325.6	12.7
30°-40°	438.7	17.1
40°-50°	492.1	19.2
50°-60°	451.6	17.6
60°-70°	334.0	13.1
70°-80°	194.3	7.6
80°-90°	63.9	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°	584.4	22.8
0°-40°	1023.1	40.0
0°-60°	1966.8	76.9
0°-90°	2558.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2558.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	668	668	668	668	668	
5°	672	671	669	669	671	64
15°	688	686	684	684	686	196
25°	719	714	702	694	693	333
35°	748	732	696	672	665	468
45°	722	695	630	588	574	555
55°	600	566	494	448	435	533
65°	403	378	326	297	287	398
75°	203	200	180	166	163	217
85°	60	62	56	57	53	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	667.8	667.8	667.8	667.8	667.8
2.5°	669.8	669.8	667.4	668.1	668.8
5°	671.8	671.4	669.1	669.4	671.1
7.5°	674.1	674.1	671.8	671.8	674.1
10°	677.8	677.1	674.8	675.4	677.1
12.5°	682.5	681.1	678.8	679.5	681.5
15°	687.8	686.5	683.5	684.1	685.8
17.5°	694.8	692.8	688.5	688.5	689.5
20°	702.5	699.2	693.8	691.1	692.1
22.5°	710.8	706.5	697.8	693.1	693.5
25°	719.2	713.8	701.8	694.1	692.8
27.5°	728.2	720.5	704.2	693.5	690.8
30°	736.2	726.5	704.5	689.8	685.1
32.5°	743.2	730.5	702.2	682.8	676.8
35°	747.9	732.2	696.5	672.1	664.8
37.5°	749.2	730.2	687.1	657.4	647.7
40°	746.2	723.9	673.4	638.1	627.4
42.5°	737.2	712.5	654.1	614.7	602.0
45°	722.5	695.1	630.4	587.6	573.9
47.5°	702.2	671.1	602.7	556.6	542.2
50°	674.4	641.7	569.9	522.9	508.5
52.5°	640.1	606.0	533.5	487.1	471.8
55°	600.3	565.9	494.5	448.4	434.7
57.5°	553.9	522.2	453.4	409.7	396.7
60°	505.8	475.8	411.3	370.9	359.3
62.5°	455.1	427.7	368.9	332.5	322.5
65°	402.7	378.3	326.5	296.8	287.1
67.5°	350.2	331.5	286.1	259.8	254.4
70°	298.2	284.1	247.4	230.0	223.4
72.5°	248.7	241.4	210.7	199.0	190.0
75°	203.0	200.3	180.3	165.9	163.3
77.5°	161.6	165.6	148.2	137.9	135.6
80°	124.5	128.5	117.5	108.8	105.8
82.5°	90.8	96.2	85.1	83.1	80.1
85°	60.1	61.8	56.4	57.1	53.1
87.5°	29.4	32.7	29.7	30.7	28.7
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	16.2	17.9	16.6	18.3	18.6	14.4	16.1	14.8	16.4	16.8
	3H	18.0	19.5	18.4	19.9	20.2	16.2	17.7	16.5	18.0	18.4
	4H	18.6	20.1	19.0	20.4	20.8	16.9	18.3	17.2	18.7	19.0
	6H	19.1	20.5	19.5	20.8	21.2	17.4	18.8	17.8	19.1	19.5
	8H	19.3	20.6	19.7	21.0	21.4	17.6	18.9	18.1	19.3	19.7
	12H	19.4	20.7	19.9	21.0	21.5	17.8	19.1	18.3	19.4	19.9
4H	2H	16.7	18.1	17.0	18.5	18.8	15.2	16.7	15.6	17.0	17.4
	3H	18.6	19.9	19.1	20.3	20.7	17.1	18.4	17.5	18.8	19.2
	4H	19.4	20.6	19.9	21.0	21.4	18.0	19.1	18.4	19.5	19.9
	6H	20.1	21.1	20.6	21.5	22.0	18.7	19.6	19.1	20.1	20.5
	8H	20.3	21.3	20.8	21.7	22.2	18.9	19.9	19.4	20.3	20.8
	12H	20.5	21.4	21.0	21.8	22.3	19.2	20.0	19.7	20.5	20.9
8H	4H	19.7	20.6	20.2	21.0	21.5	18.4	19.3	18.8	19.7	20.2
	6H	20.5	21.3	21.0	21.7	22.2	19.2	20.0	19.7	20.5	21.0
	8H	20.8	21.5	21.3	22.0	22.5	19.6	20.3	20.1	20.8	21.3
	12H	21.1	21.7	21.6	22.2	22.8	19.9	20.5	20.4	21.0	21.6
12H	4H	19.7	20.5	20.2	21.0	21.5	18.5	19.3	18.9	19.7	20.2
	6H	20.6	21.3	21.1	21.7	22.2	19.4	20.0	19.9	20.5	21.0
	8H	20.9	21.6	21.5	22.0	22.6	19.8	20.4	20.3	20.9	21.4















(END OF REPORT)