

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: P1527002

Luminaire Tested: 14CGTX-80HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527002
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-80HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

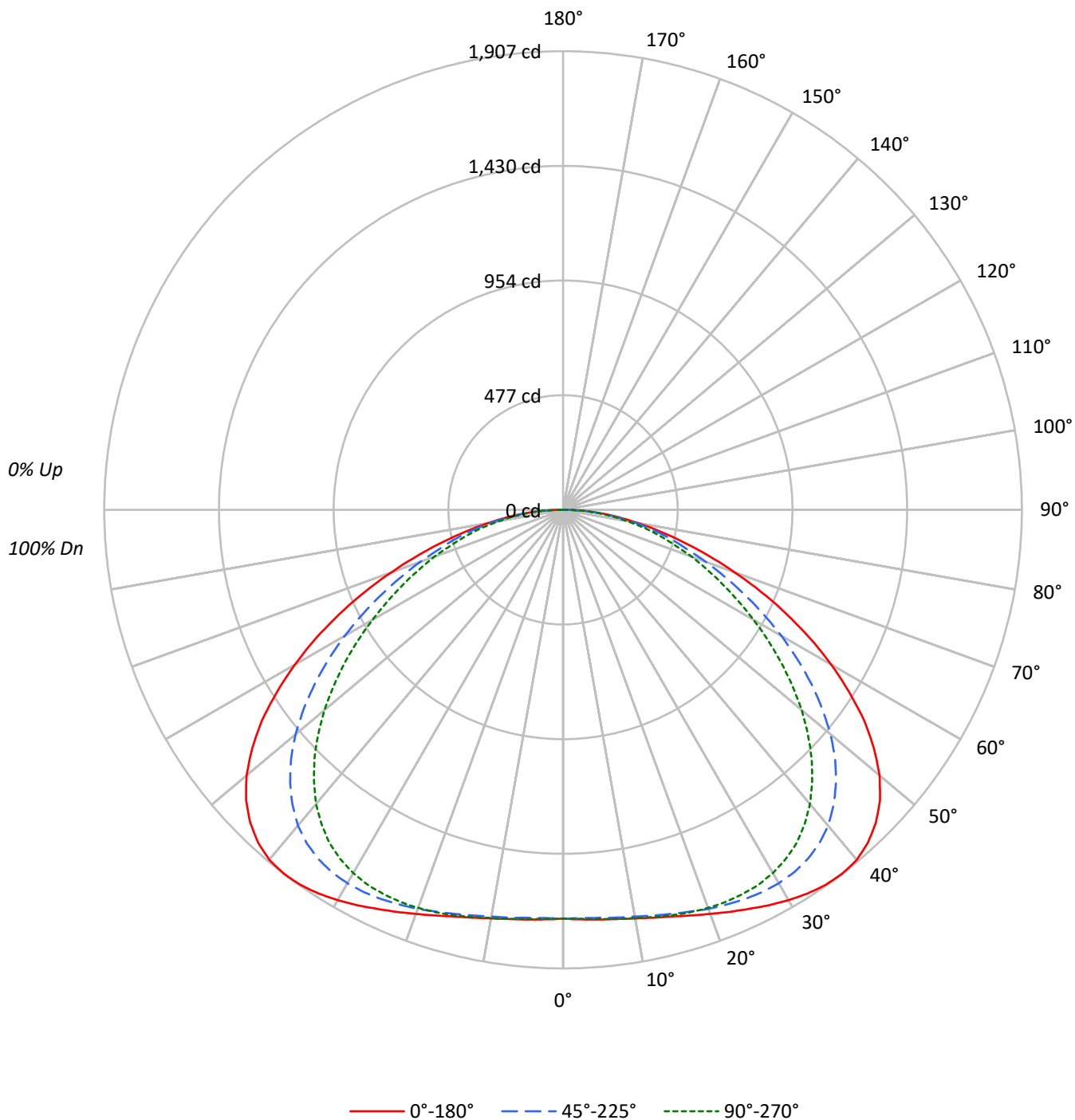
Lumens per Lamp: N/A
Luminaire Lumens: 6513.0 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.9
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	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°	4574	4574	4574
5°	4619	4600	4614
10°	4714	4693	4709
15°	4877	4846	4863
20°	5120	5057	5045
25°	5435	5304	5236
30°	5822	5571	5418
35°	6253	5823	5558
40°	6672	6021	5609
45°	6998	6106	5559
50°	7186	6073	5418
55°	7168	5904	5191
60°	6929	5634	4921
65°	6525	5292	4653
70°	5971	4954	4473
75°	5372	4771	4320
80°	4912	4635	4175
85°	4724	4434	4171

MAXIMUM LUMINANCE 45°-90°:

Luminance: 7201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	2.5
10°-20°	495.2	7.6
20°-30°	828.7	12.7
30°-40°	1116.6	17.1
40°-50°	1252.5	19.2
50°-60°	1149.3	17.6
60°-70°	850.1	13.1
70°-80°	494.5	7.6
80°-90°	162.6	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°	1487.3	22.8
0°-40°	2603.9	40.0
0°-60°	5005.8	76.9
0°-90°	6513.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6513.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1710	1709	1703	1704	1708	164
15°	1750	1747	1740	1741	1745	498
25°	1830	1817	1786	1767	1763	849
35°	1904	1864	1773	1711	1692	1192
45°	1839	1769	1604	1496	1461	1413
55°	1528	1440	1258	1141	1106	1357
65°	1025	963	831	756	731	1013
75°	517	510	459	422	416	553
85°	153	157	144	145	135	168
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1699.6	1699.6	1699.6	1699.6	1699.6
2.5°	1704.7	1704.7	1698.7	1700.4	1702.1
5°	1709.8	1708.9	1703.0	1703.8	1708.1
7.5°	1715.7	1715.7	1709.8	1709.8	1715.7
10°	1725.1	1723.4	1717.4	1719.1	1723.4
12.5°	1737.0	1733.6	1727.6	1729.3	1734.4
15°	1750.5	1747.1	1739.5	1741.2	1745.4
17.5°	1768.4	1763.3	1752.2	1752.2	1754.8
20°	1787.9	1779.4	1765.8	1759.0	1761.6
22.5°	1809.2	1798.1	1776.0	1764.1	1765.0
25°	1830.4	1816.8	1786.2	1766.7	1763.3
27.5°	1853.4	1833.8	1792.2	1765.0	1758.2
30°	1873.8	1849.1	1793.0	1755.6	1743.7
32.5°	1891.6	1859.3	1787.1	1737.8	1722.5
35°	1903.5	1863.6	1772.6	1710.6	1691.9
37.5°	1906.9	1858.5	1748.8	1673.2	1648.6
40°	1899.3	1842.3	1714.0	1623.9	1596.7
42.5°	1876.3	1813.4	1664.7	1564.4	1532.2
45°	1838.9	1769.2	1604.4	1495.6	1460.8
47.5°	1787.1	1708.1	1533.9	1416.6	1380.0
50°	1716.6	1633.3	1450.6	1330.8	1294.2
52.5°	1629.0	1542.4	1357.9	1239.8	1200.7
55°	1527.9	1440.4	1258.5	1141.3	1106.4
57.5°	1409.8	1329.1	1154.0	1042.7	1009.5
60°	1287.4	1210.9	1046.9	944.1	914.4
62.5°	1158.3	1088.6	939.0	846.4	820.9
65°	1024.8	962.8	831.1	755.5	730.8
67.5°	891.4	843.8	728.3	661.1	647.5
70°	758.9	723.2	629.7	585.5	568.5
72.5°	633.1	614.4	536.2	506.5	483.5
75°	516.7	509.9	458.9	422.3	415.5
77.5°	411.3	421.5	377.3	351.0	345.0
80°	317.0	327.2	299.1	277.0	269.4
82.5°	231.1	244.7	216.7	211.6	203.9
85°	153.0	157.2	143.6	145.3	135.1
87.5°	74.8	83.3	75.6	78.2	73.1
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	19.5	21.2	19.8	21.5	21.8	17.7	19.4	18.0	19.7	20.0
	3H	21.2	22.8	21.6	23.1	23.5	19.4	20.9	19.8	21.3	21.6
	4H	21.9	23.3	22.3	23.7	24.0	20.1	21.5	20.5	21.9	22.3
	6H	22.4	23.7	22.8	24.1	24.5	20.7	22.0	21.1	22.4	22.8
	8H	22.5	23.8	23.0	24.2	24.6	20.9	22.2	21.3	22.6	23.0
	12H	22.7	23.9	23.1	24.3	24.7	21.1	22.3	21.5	22.7	23.1
4H	2H	19.9	21.4	20.3	21.7	22.1	18.4	19.9	18.8	20.2	20.6
	3H	21.9	23.1	22.3	23.5	23.9	20.4	21.6	20.8	22.0	22.4
	4H	22.7	23.8	23.1	24.2	24.6	21.2	22.3	21.6	22.7	23.2
	6H	23.3	24.3	23.8	24.8	25.2	21.9	22.9	22.4	23.3	23.8
	8H	23.6	24.5	24.0	24.9	25.4	22.2	23.1	22.7	23.5	24.0
	12H	23.8	24.6	24.3	25.1	25.5	22.4	23.2	22.9	23.7	24.2
8H	4H	22.9	23.8	23.4	24.3	24.8	21.6	22.5	22.1	23.0	23.4
	6H	23.7	24.5	24.2	25.0	25.5	22.5	23.2	23.0	23.7	24.2
	8H	24.1	24.8	24.6	25.3	25.8	22.9	23.5	23.4	24.0	24.5
	12H	24.4	25.0	24.9	25.5	26.0	23.2	23.8	23.7	24.3	24.8
12H	4H	23.0	23.8	23.4	24.3	24.7	21.7	22.5	22.2	23.0	23.5
	6H	23.8	24.5	24.3	25.0	25.5	22.6	23.3	23.1	23.7	24.3
	8H	24.2	24.8	24.7	25.3	25.8	23.0	23.6	23.5	24.1	24.7















(END OF REPORT)