

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: P1527003

Luminaire Tested: 14CGTX-80HE-F125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527003
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-L940
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

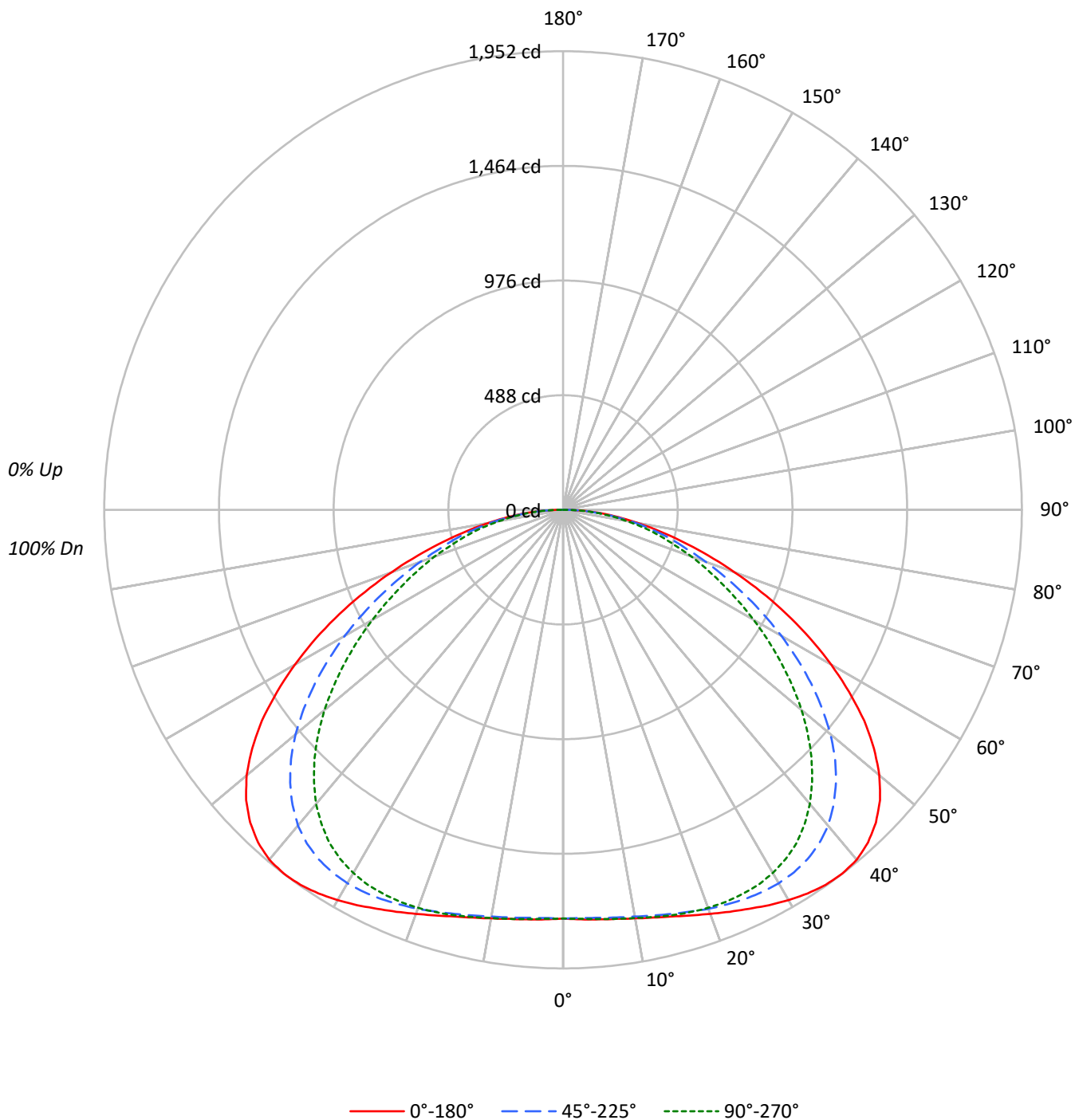
Lumens per Lamp: N/A
Luminaire Lumens: 6666.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	4681	4681	4681
5°	4727	4708	4722
10°	4824	4803	4820
15°	4992	4960	4977
20°	5240	5176	5163
25°	5562	5428	5358
30°	5959	5702	5546
35°	6400	5960	5689
40°	6829	6163	5741
45°	7163	6249	5690
50°	7355	6216	5545
55°	7337	6043	5313
60°	7092	5767	5036
65°	6679	5416	4763
70°	6111	5071	4578
75°	5498	4884	4422
80°	5027	4744	4272
85°	4835	4539	4270

MAXIMUM LUMINANCE 45°-90°:

Luminance: 7370 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.2	2.5
10°-20°	506.9	7.6
20°-30°	848.2	12.7
30°-40°	1142.9	17.1
40°-50°	1282.0	19.2
50°-60°	1176.3	17.6
60°-70°	870.1	13.1
70°-80°	506.2	7.6
80°-90°	166.4	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°	1522.3	22.8
0°-40°	2665.1	40.0
0°-60°	5123.4	76.9
0°-90°	6666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1740	1740	1740	1740	1740	
5°	1750	1749	1743	1744	1748	167
15°	1792	1788	1780	1782	1786	510
25°	1873	1860	1828	1808	1805	869
35°	1948	1907	1814	1751	1732	1220
45°	1882	1811	1642	1531	1495	1447
55°	1564	1474	1288	1168	1132	1389
65°	1049	985	851	773	748	1037
75°	529	522	470	432	425	566
85°	157	161	147	149	138	172
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1739.5	1739.5	1739.5	1739.5	1739.5
2.5°	1744.7	1744.7	1738.6	1740.4	1742.1
5°	1749.9	1749.1	1743.0	1743.8	1748.2
7.5°	1756.0	1756.0	1749.9	1749.9	1756.0
10°	1765.6	1763.8	1757.8	1759.5	1763.8
12.5°	1777.8	1774.3	1768.2	1769.9	1775.1
15°	1791.7	1788.2	1780.4	1782.1	1786.5
17.5°	1809.9	1804.7	1793.4	1793.4	1796.0
20°	1829.9	1821.2	1807.3	1800.4	1803.0
22.5°	1851.7	1840.4	1817.8	1805.6	1806.5
25°	1873.4	1859.5	1828.2	1808.2	1804.7
27.5°	1896.9	1876.9	1834.3	1806.5	1799.5
30°	1917.8	1892.6	1835.2	1796.9	1784.7
32.5°	1936.0	1903.0	1829.1	1778.6	1763.0
35°	1948.2	1907.3	1814.3	1750.8	1731.7
37.5°	1951.7	1902.1	1789.9	1712.5	1687.3
40°	1943.9	1885.6	1754.3	1662.1	1634.2
42.5°	1920.4	1856.0	1703.8	1601.2	1568.1
45°	1882.1	1810.8	1642.1	1530.7	1495.1
47.5°	1829.1	1748.2	1569.9	1449.9	1412.5
50°	1756.9	1671.6	1484.7	1362.0	1324.6
52.5°	1667.3	1578.6	1389.8	1269.0	1228.9
55°	1563.8	1474.2	1288.1	1168.1	1132.4
57.5°	1442.9	1360.3	1181.1	1067.2	1033.3
60°	1317.7	1239.4	1071.5	966.3	935.8
62.5°	1185.5	1114.1	961.1	866.3	840.2
65°	1048.9	985.4	850.6	773.2	748.0
67.5°	912.4	863.7	745.4	676.7	662.7
70°	776.7	740.2	644.5	599.3	581.9
72.5°	648.0	628.8	548.8	518.4	494.9
75°	528.8	521.8	469.7	432.3	425.3
77.5°	421.0	431.4	386.2	359.2	353.1
80°	324.4	334.9	306.1	283.5	275.7
82.5°	236.6	250.5	221.8	216.6	208.7
85°	156.6	160.9	147.0	148.7	138.3
87.5°	76.5	85.2	77.4	80.0	74.8
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	19.6	21.3	19.9	21.6	21.9	17.8	19.5	18.1	19.8	20.1
	3H	21.3	22.9	21.7	23.2	23.5	19.5	21.0	19.9	21.3	21.7
	4H	22.0	23.4	22.3	23.8	24.1	20.2	21.6	20.6	22.0	22.4
	6H	22.4	23.8	22.9	24.2	24.5	20.8	22.1	21.2	22.5	22.9
	8H	22.6	23.9	23.0	24.3	24.7	21.0	22.3	21.4	22.7	23.1
	12H	22.7	24.0	23.2	24.4	24.8	21.1	22.4	21.6	22.8	23.2
4H	2H	20.0	21.4	20.4	21.8	22.2	18.5	20.0	18.9	20.3	20.7
	3H	22.0	23.2	22.4	23.6	24.0	20.5	21.7	20.9	22.1	22.5
	4H	22.8	23.9	23.2	24.3	24.7	21.3	22.4	21.7	22.8	23.2
	6H	23.4	24.4	23.9	24.8	25.3	22.0	23.0	22.4	23.4	23.9
	8H	23.7	24.6	24.1	25.0	25.5	22.3	23.2	22.7	23.6	24.1
	12H	23.9	24.7	24.3	25.2	25.6	22.5	23.3	23.0	23.8	24.3
8H	4H	23.0	23.9	23.5	24.4	24.8	21.7	22.6	22.2	23.1	23.5
	6H	23.8	24.6	24.3	25.1	25.5	22.6	23.3	23.1	23.8	24.3
	8H	24.2	24.8	24.7	25.3	25.8	22.9	23.6	23.4	24.1	24.6
	12H	24.5	25.1	25.0	25.5	26.1	23.3	23.9	23.8	24.4	24.9
12H	4H	23.0	23.9	23.5	24.3	24.8	21.8	22.6	22.3	23.1	23.5
	6H	23.9	24.6	24.4	25.0	25.6	22.7	23.4	23.2	23.8	24.4
	8H	24.3	24.9	24.8	25.4	25.9	23.1	23.7	23.6	24.2	24.8















(END OF REPORT)