

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: P1527001

Luminaire Tested: 14CGTX-80HE-F125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527001
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-L930
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

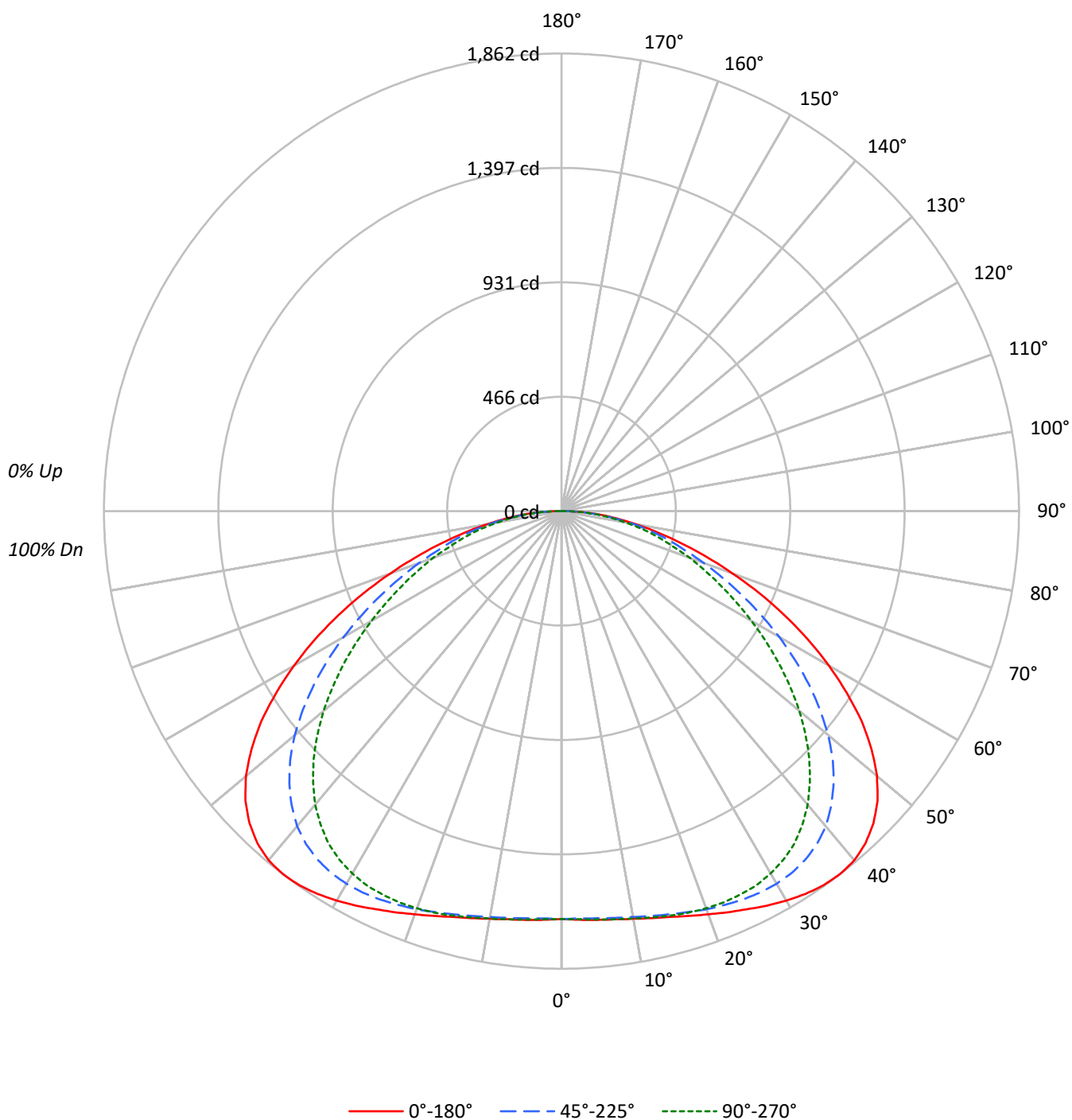
Lumens per Lamp: N/A
Luminaire Lumens: 6359.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				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°	4465	4465	4465
5°	4509	4491	4505
10°	4602	4582	4598
15°	4762	4732	4748
20°	4999	4937	4925
25°	5306	5178	5112
30°	5685	5440	5290
35°	6105	5685	5427
40°	6514	5879	5476
45°	6833	5962	5428
50°	7016	5929	5290
55°	6999	5765	5068
60°	6765	5501	4804
65°	6371	5167	4543
70°	5829	4837	4367
75°	5245	4658	4218
80°	4796	4527	4076
85°	4610	4329	4072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 7031 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	2.5
10°-20°	483.5	7.6
20°-30°	809.1	12.7
30°-40°	1090.2	17.1
40°-50°	1222.9	19.2
50°-60°	1122.1	17.6
60°-70°	830.0	13.1
70°-80°	482.8	7.6
80°-90°	158.8	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°	1452.2	22.8
0°-40°	2542.4	40.0
0°-60°	4887.5	76.9
0°-90°	6359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1659	1659	1659	1659	1659	
5°	1669	1668	1663	1664	1668	160
15°	1709	1706	1698	1700	1704	486
25°	1787	1774	1744	1725	1722	829
35°	1858	1820	1731	1670	1652	1164
45°	1795	1727	1566	1460	1426	1380
55°	1492	1406	1229	1114	1080	1325
65°	1001	940	811	738	714	990
75°	504	498	448	412	406	540
85°	149	154	140	142	132	164
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1659.4	1659.4	1659.4	1659.4	1659.4
2.5°	1664.4	1664.4	1658.5	1660.2	1661.9
5°	1669.3	1668.5	1662.7	1663.5	1667.7
7.5°	1675.1	1675.1	1669.3	1669.3	1675.1
10°	1684.3	1682.6	1676.8	1678.5	1682.6
12.5°	1695.9	1692.6	1686.8	1688.4	1693.4
15°	1709.2	1705.8	1698.4	1700.0	1704.2
17.5°	1726.6	1721.6	1710.8	1710.8	1713.3
20°	1745.7	1737.4	1724.1	1717.5	1719.9
22.5°	1766.4	1755.6	1734.0	1722.4	1723.3
25°	1787.1	1773.9	1744.0	1724.9	1721.6
27.5°	1809.5	1790.5	1749.8	1723.3	1716.6
30°	1829.5	1805.4	1750.6	1714.1	1702.5
32.5°	1846.9	1815.4	1744.8	1696.7	1681.8
35°	1858.5	1819.5	1730.7	1670.2	1651.9
37.5°	1861.8	1814.5	1707.5	1633.7	1609.6
40°	1854.4	1798.8	1673.5	1585.5	1559.0
42.5°	1832.0	1770.6	1625.4	1527.5	1495.9
45°	1795.4	1727.4	1566.5	1460.3	1426.2
47.5°	1744.8	1667.7	1497.6	1383.1	1347.4
50°	1676.0	1594.7	1416.3	1299.3	1263.6
52.5°	1590.5	1505.9	1325.8	1210.5	1172.3
55°	1491.8	1406.3	1228.8	1114.3	1080.3
57.5°	1376.5	1297.6	1126.7	1018.0	985.7
60°	1257.0	1182.3	1022.2	921.8	892.7
62.5°	1130.9	1062.8	916.8	826.4	801.5
65°	1000.6	940.0	811.4	737.6	713.5
67.5°	870.3	823.9	711.0	645.5	632.2
70°	740.9	706.1	614.8	571.7	555.1
72.5°	618.1	599.9	523.5	494.5	472.1
75°	504.5	497.8	448.0	412.4	405.7
77.5°	401.6	411.5	368.4	342.7	336.9
80°	309.5	319.4	292.1	270.5	263.0
82.5°	225.7	239.0	211.6	206.6	199.1
85°	149.3	153.5	140.2	141.9	131.9
87.5°	73.0	81.3	73.8	76.3	71.4
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	19.4	21.1	19.8	21.4	21.7	17.6	19.3	18.0	19.6	19.9
	3H	21.1	22.7	21.5	23.0	23.4	19.3	20.9	19.7	21.2	21.5
	4H	21.8	23.2	22.2	23.6	24.0	20.0	21.5	20.4	21.8	22.2
	6H	22.3	23.6	22.7	24.0	24.4	20.6	21.9	21.0	22.3	22.7
	8H	22.5	23.7	22.9	24.1	24.5	20.8	22.1	21.2	22.5	22.9
	12H	22.6	23.8	23.0	24.2	24.6	21.0	22.2	21.4	22.6	23.0
4H	2H	19.8	21.3	20.2	21.6	22.0	18.4	19.8	18.8	20.2	20.5
	3H	21.8	23.0	22.2	23.4	23.8	20.3	21.5	20.7	21.9	22.3
	4H	22.6	23.7	23.0	24.1	24.6	21.1	22.2	21.5	22.6	23.1
	6H	23.3	24.2	23.7	24.7	25.1	21.8	22.8	22.3	23.2	23.7
	8H	23.5	24.4	24.0	24.9	25.3	22.1	23.0	22.6	23.5	23.9
	12H	23.7	24.5	24.2	25.0	25.5	22.3	23.2	22.8	23.6	24.1
8H	4H	22.9	23.8	23.3	24.2	24.7	21.5	22.5	22.0	22.9	23.4
	6H	23.7	24.4	24.1	24.9	25.4	22.4	23.2	22.9	23.6	24.1
	8H	24.0	24.7	24.5	25.2	25.7	22.8	23.5	23.3	24.0	24.4
	12H	24.3	24.9	24.8	25.4	25.9	23.1	23.7	23.6	24.2	24.8
12H	4H	22.9	23.7	23.4	24.2	24.6	21.6	22.4	22.1	22.9	23.4
	6H	23.7	24.4	24.2	24.9	25.4	22.5	23.2	23.0	23.7	24.2
	8H	24.1	24.7	24.6	25.2	25.8	22.9	23.6	23.4	24.0	24.6













(END OF REPORT)