

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: P1526782

Luminaire Tested: 14CGTX-80HE-A125-L840

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTX-80HE-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

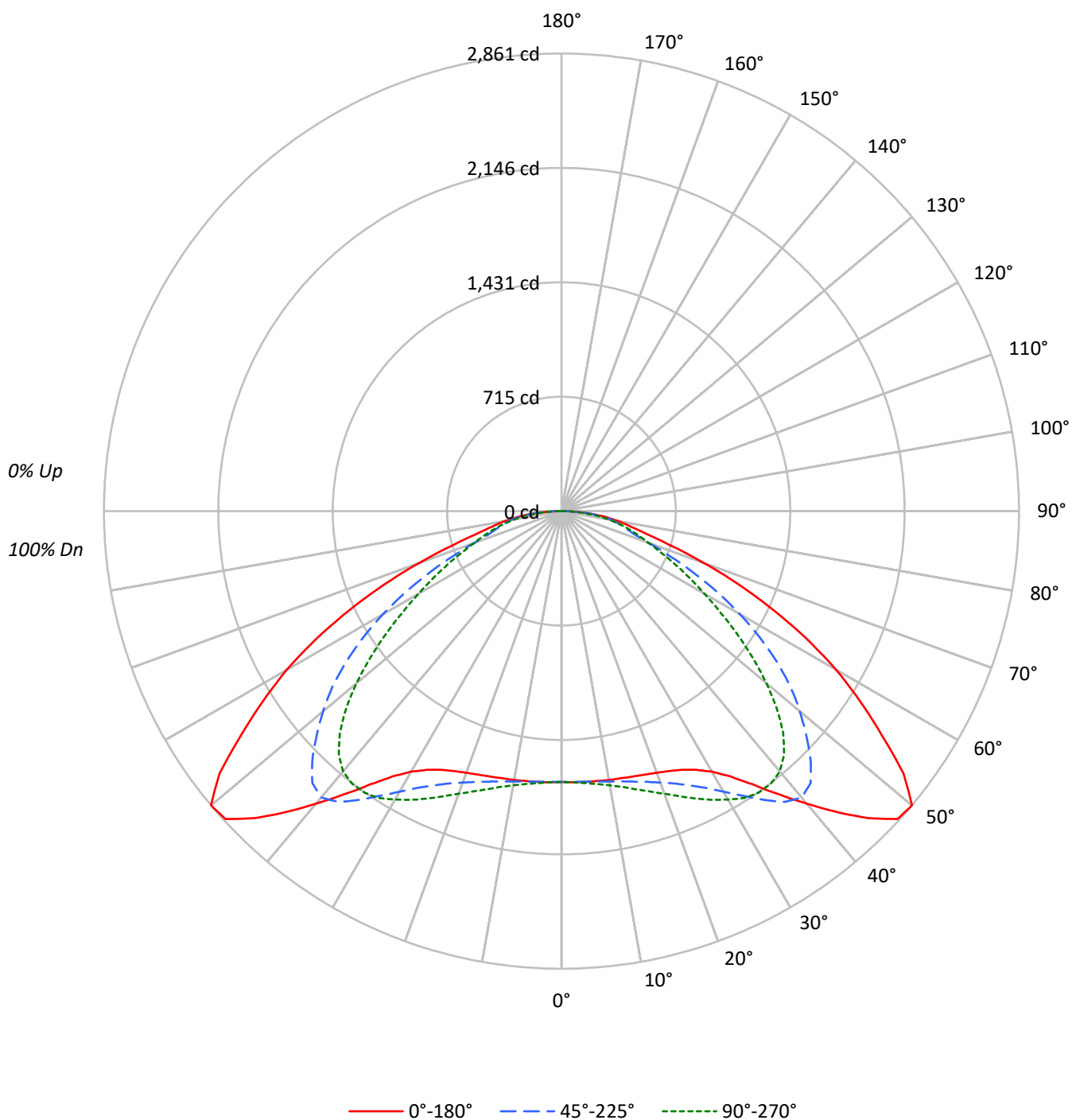
Lumens per Lamp: N/A
Luminaire Lumens: 7929.6 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56			
4	80	68	58	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47			
5	73	60	50	43	71	59	50	43	56	49	43	54	48	42	53	46	42	39			
6	67	53	44	37	65	52	43	37	50	42	36	49	42	36	47	41	36	34			
7	62	48	38	32	60	47	38	32	45	37	32	44	37	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	39	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	24	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	32	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4556	4556	4556
5°	4590	4585	4610
10°	4663	4688	4756
15°	4786	4877	5015
20°	4984	5170	5385
25°	5296	5614	5886
30°	5843	6291	6467
35°	6851	7240	7057
40°	8386	8208	7459
45°	10327	8387	7458
50°	11977	8144	7006
55°	11490	7721	6300
60°	10675	6928	5548
65°	9298	5803	4970
70°	7438	4562	4562
75°	5707	4326	4529
80°	5602	4995	4612
85°	5629	5533	4514

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 11977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	2.1
10°-20°	499.8	6.3
20°-30°	879.7	11.1
30°-40°	1362.7	17.2
40°-50°	1736.0	21.9
50°-60°	1579.4	19.9
60°-70°	1024.3	12.9
70°-80°	498.2	6.3
80°-90°	186.6	2.4
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°	1542.4	19.5
0°-40°	2905.1	36.6
0°-60°	6220.5	78.4
0°-90°	7929.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7929.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1699	1701	1697	1700	1706	162
15°	1718	1729	1751	1784	1800	488
25°	1784	1821	1891	1958	1982	832
35°	2085	2176	2204	2168	2148	1328
45°	2714	2547	2204	2011	1960	2085
55°	2449	2148	1646	1418	1343	2186
65°	1460	1294	911	790	781	1446
75°	549	503	416	396	436	622
85°	182	199	179	164	146	198
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1693.1	1693.1	1693.1	1693.1	1693.1
2.5°	1696.2	1698.2	1693.1	1694.1	1697.2
5°	1699.2	1701.3	1697.2	1700.3	1706.5
7.5°	1701.3	1705.4	1705.4	1712.6	1720.9
10°	1706.5	1710.6	1715.7	1730.1	1740.4
12.5°	1710.6	1717.8	1730.1	1753.8	1765.2
15°	1717.8	1729.1	1750.7	1783.7	1800.2
17.5°	1727.1	1743.5	1774.4	1817.7	1837.2
20°	1740.4	1762.1	1805.3	1856.8	1880.5
22.5°	1758.0	1786.8	1842.4	1903.2	1928.9
25°	1783.7	1820.8	1890.8	1957.7	1982.5
27.5°	1822.8	1869.2	1949.5	2016.4	2035.0
30°	1880.5	1938.2	2024.7	2071.0	2081.3
32.5°	1966.0	2040.1	2109.1	2124.6	2126.6
35°	2085.4	2176.1	2203.9	2167.8	2148.3
37.5°	2231.7	2332.6	2291.4	2184.3	2149.3
40°	2387.2	2469.6	2336.7	2170.9	2123.5
42.5°	2552.0	2547.8	2305.8	2112.2	2060.7
45°	2713.6	2546.8	2203.9	2011.3	1959.8
47.5°	2849.6	2469.6	2077.2	1886.7	1825.9
50°	2860.9	2368.7	1945.4	1735.3	1673.5
52.5°	2696.1	2268.8	1806.4	1578.8	1507.7
55°	2449.0	2148.3	1645.7	1418.1	1342.9
57.5°	2215.2	1990.7	1470.6	1252.3	1178.1
60°	1983.5	1787.8	1287.3	1091.6	1030.9
62.5°	1727.1	1552.0	1099.9	932.0	900.1
65°	1460.3	1293.5	911.4	789.9	780.6
67.5°	1201.8	1048.4	731.2	656.0	667.3
70°	945.4	828.0	579.8	562.3	579.8
72.5°	718.8	652.9	471.7	475.8	504.6
75°	548.9	502.6	416.1	396.5	435.6
77.5°	439.7	409.9	368.7	339.8	368.7
80°	361.5	354.3	322.3	288.4	297.6
82.5°	272.9	278.1	253.3	235.8	224.5
85°	182.3	198.8	179.2	163.7	146.2
87.5°	91.7	111.2	94.7	84.4	75.2
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	21.6	23.4	22.0	23.7	24.0	18.2	19.9	18.5	20.2	20.5
	3H	22.9	24.5	23.3	24.8	25.2	19.5	21.0	19.8	21.3	21.7
	4H	23.3	24.7	23.7	25.1	25.5	20.0	21.5	20.4	21.9	22.2
	6H	23.6	24.9	24.0	25.3	25.7	20.6	21.9	21.0	22.3	22.7
	8H	23.7	25.0	24.1	25.4	25.8	20.8	22.1	21.2	22.5	22.9
	12H	23.8	25.1	24.2	25.4	25.9	21.0	22.2	21.4	22.6	23.0
4H	2H	21.8	23.3	22.2	23.6	24.0	18.8	20.3	19.2	20.7	21.0
	3H	23.3	24.5	23.7	24.9	25.3	20.3	21.5	20.7	21.9	22.3
	4H	23.7	24.8	24.2	25.3	25.7	21.0	22.1	21.4	22.5	22.9
	6H	24.2	25.2	24.6	25.6	26.0	21.6	22.6	22.1	23.1	23.5
	8H	24.4	25.3	24.8	25.7	26.2	21.9	22.9	22.4	23.3	23.8
	12H	24.6	25.4	25.0	25.9	26.3	22.2	23.0	22.7	23.5	24.0
8H	4H	23.8	24.7	24.3	25.2	25.7	21.3	22.2	21.8	22.7	23.1
	6H	24.4	25.2	24.9	25.7	26.1	22.1	22.9	22.6	23.4	23.9
	8H	24.7	25.4	25.2	25.9	26.4	22.6	23.2	23.1	23.7	24.2
	12H	25.0	25.6	25.5	26.1	26.7	22.9	23.5	23.4	24.0	24.6
12H	4H	23.8	24.7	24.3	25.1	25.6	21.4	22.2	21.9	22.7	23.1
	6H	24.5	25.2	25.0	25.6	26.1	22.3	23.0	22.8	23.4	24.0
	8H	24.8	25.4	25.3	25.9	26.5	22.7	23.4	23.3	23.9	24.4













(END OF REPORT)