

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: P1526786

Luminaire Tested: 14CGTX-80HE-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526786
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

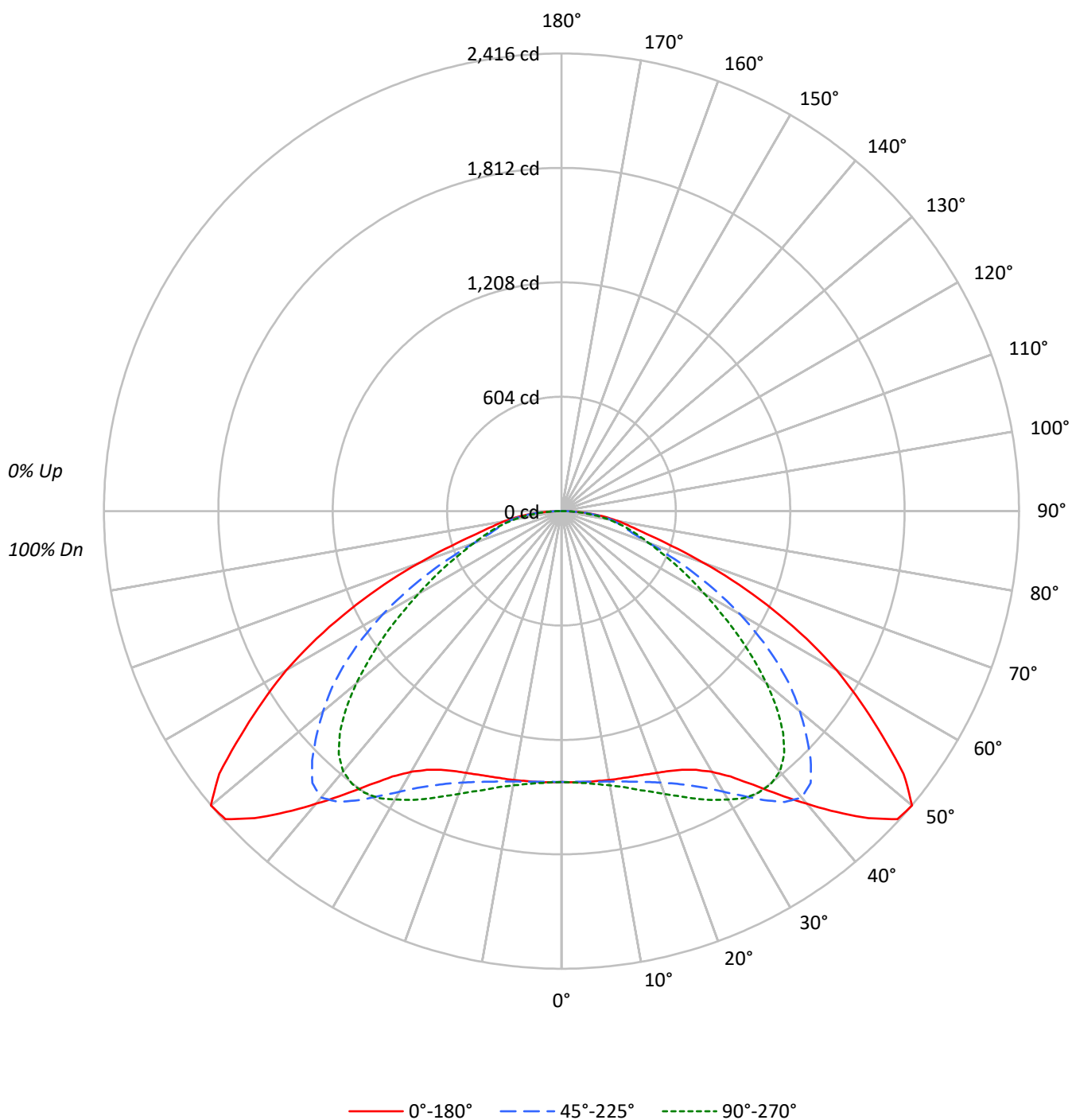
Lumens per Lamp: N/A
Luminaire Lumens: 6697.8 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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°	3848	3848	3848
5°	3877	3872	3894
10°	3939	3960	4017
15°	4042	4120	4236
20°	4210	4367	4549
25°	4473	4742	4972
30°	4936	5314	5463
35°	5787	6115	5961
40°	7083	6933	6301
45°	8723	7084	6300
50°	10116	6879	5918
55°	9705	6522	5322
60°	9017	5852	4686
65°	7854	4902	4199
70°	6283	3853	3853
75°	4820	3654	3826
80°	4731	4220	3896
85°	4755	4675	3813

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.6	2.1
10°-20°	422.1	6.3
20°-30°	743.0	11.1
30°-40°	1151.0	17.2
40°-50°	1466.3	21.9
50°-60°	1334.1	19.9
60°-70°	865.1	12.9
70°-80°	420.8	6.3
80°-90°	157.6	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°	1302.8	19.5
0°-40°	2453.8	36.6
0°-60°	5254.2	78.4
0°-90°	6697.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6697.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1435	1437	1434	1436	1441	137
15°	1451	1460	1479	1507	1520	412
25°	1507	1538	1597	1654	1674	703
35°	1762	1838	1862	1831	1815	1122
45°	2292	2151	1862	1699	1655	1761
55°	2069	1815	1390	1198	1134	1847
65°	1234	1093	770	667	659	1221
75°	464	424	351	335	368	525
85°	154	168	151	138	124	167
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1430.1	1430.1	1430.1	1430.1	1430.1
2.5°	1432.7	1434.4	1430.1	1430.9	1433.5
5°	1435.3	1437.0	1433.5	1436.2	1441.4
7.5°	1437.0	1440.5	1440.5	1446.6	1453.6
10°	1441.4	1444.9	1449.2	1461.4	1470.1
12.5°	1444.9	1450.9	1461.4	1481.4	1491.0
15°	1450.9	1460.5	1478.8	1506.6	1520.5
17.5°	1458.8	1472.7	1498.8	1535.3	1551.9
20°	1470.1	1488.4	1524.9	1568.4	1588.4
22.5°	1484.9	1509.2	1556.2	1607.5	1629.3
25°	1506.6	1537.9	1597.1	1653.6	1674.5
27.5°	1539.7	1578.8	1646.7	1703.2	1718.9
30°	1588.4	1637.1	1710.2	1749.3	1758.0
32.5°	1660.6	1723.2	1781.5	1794.5	1796.3
35°	1761.5	1838.0	1861.5	1831.1	1814.6
37.5°	1885.0	1970.3	1935.5	1845.0	1815.4
40°	2016.4	2086.0	1973.7	1833.7	1793.7
42.5°	2155.5	2152.1	1947.6	1784.1	1740.6
45°	2292.1	2151.2	1861.5	1698.9	1655.4
47.5°	2406.9	2086.0	1754.5	1593.6	1542.3
50°	2416.5	2000.7	1643.2	1465.7	1413.5
52.5°	2277.3	1916.3	1525.8	1333.5	1273.5
55°	2068.6	1814.6	1390.1	1197.8	1134.3
57.5°	1871.1	1681.5	1242.2	1057.8	995.1
60°	1675.4	1510.1	1087.3	922.1	870.7
62.5°	1458.8	1310.9	929.0	787.2	760.3
65°	1233.5	1092.6	769.8	667.2	659.4
67.5°	1015.1	885.5	617.6	554.1	563.7
70°	798.5	699.4	489.7	474.9	489.7
72.5°	607.2	551.5	398.4	401.9	426.2
75°	463.6	424.5	351.4	334.9	368.0
77.5°	371.4	346.2	311.4	287.1	311.4
80°	305.3	299.2	272.3	243.6	251.4
82.5°	230.5	234.9	214.0	199.2	189.6
85°	154.0	167.9	151.4	138.3	123.5
87.5°	77.4	93.9	80.0	71.3	63.5
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	21.0	22.8	21.4	23.1	23.4	17.6	19.3	18.0	19.6	19.9
	3H	22.3	23.9	22.7	24.2	24.6	18.9	20.4	19.3	20.8	21.1
	4H	22.7	24.2	23.1	24.5	24.9	19.4	20.9	19.8	21.3	21.6
	6H	23.0	24.3	23.4	24.7	25.1	20.0	21.4	20.4	21.7	22.1
	8H	23.1	24.4	23.5	24.8	25.2	20.2	21.5	20.6	21.9	22.3
	12H	23.2	24.5	23.6	24.9	25.3	20.4	21.6	20.8	22.0	22.4
4H	2H	21.2	22.7	21.6	23.0	23.4	18.3	19.7	18.7	20.1	20.4
	3H	22.7	23.9	23.1	24.3	24.7	19.7	20.9	20.1	21.3	21.7
	4H	23.1	24.3	23.6	24.7	25.1	20.4	21.5	20.8	21.9	22.3
	6H	23.6	24.6	24.0	25.0	25.5	21.1	22.0	21.5	22.5	22.9
	8H	23.8	24.7	24.3	25.2	25.6	21.4	22.3	21.8	22.7	23.2
	12H	24.0	24.8	24.5	25.3	25.7	21.6	22.4	22.1	22.9	23.4
8H	4H	23.2	24.2	23.7	24.6	25.1	20.7	21.6	21.2	22.1	22.5
	6H	23.8	24.6	24.3	25.1	25.5	21.6	22.3	22.1	22.8	23.3
	8H	24.1	24.8	24.6	25.3	25.8	22.0	22.7	22.5	23.2	23.6
	12H	24.4	25.0	24.9	25.5	26.1	22.3	22.9	22.8	23.4	24.0
12H	4H	23.3	24.1	23.7	24.6	25.0	20.8	21.6	21.3	22.1	22.6
	6H	23.9	24.6	24.4	25.0	25.6	21.7	22.4	22.2	22.8	23.4
	8H	24.2	24.8	24.7	25.3	25.9	22.2	22.8	22.7	23.3	23.8













(END OF REPORT)