

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: P1526781

Luminaire Tested: 14CGTX-80HE-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526781
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

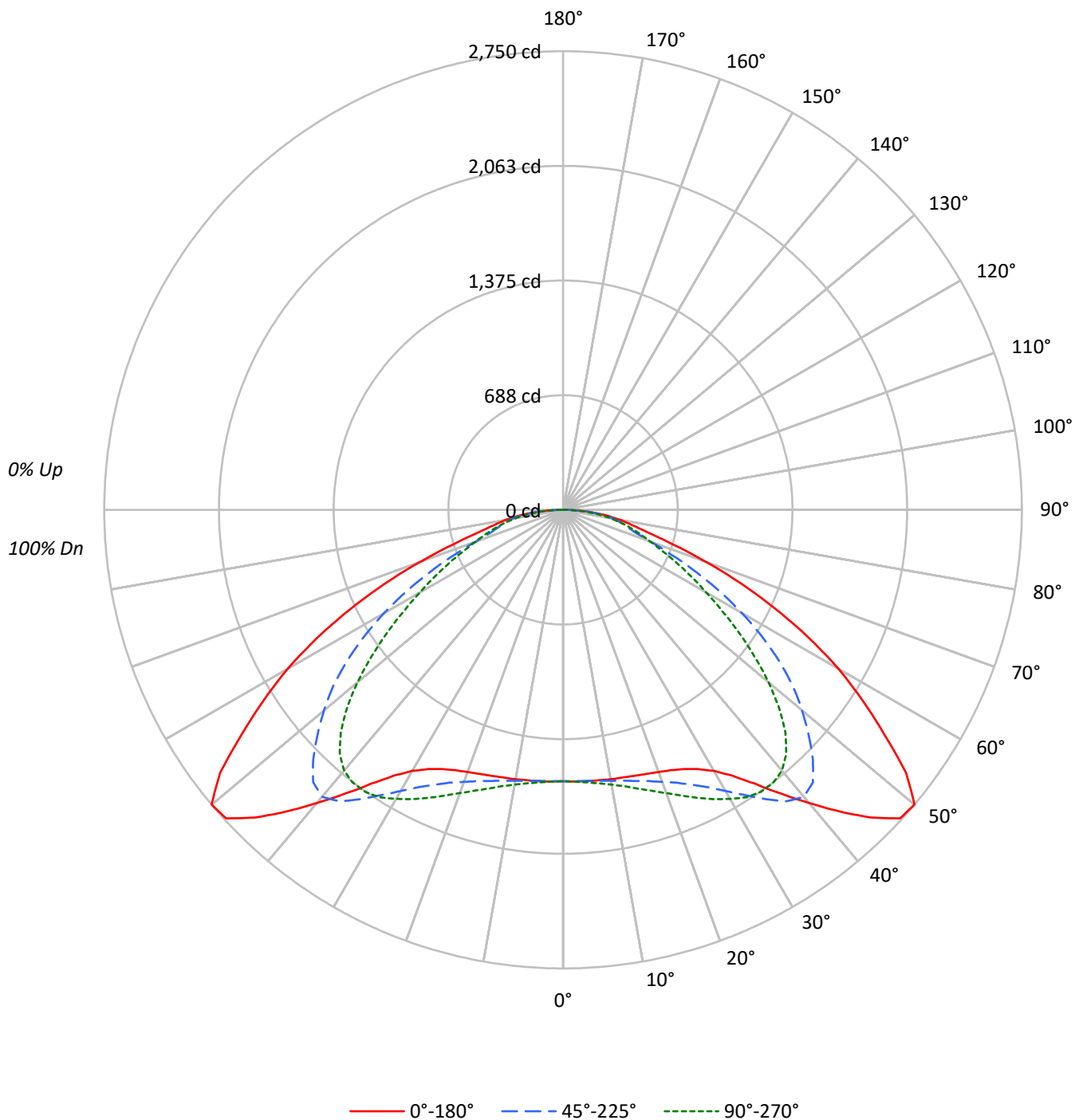
Lumens per Lamp: N/A
Luminaire Lumens: 7621.6 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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°	4379	4379	4379
5°	4412	4407	4431
10°	4482	4506	4571
15°	4600	4688	4820
20°	4791	4969	5176
25°	5090	5396	5658
30°	5616	6047	6216
35°	6585	6959	6783
40°	8060	7890	7170
45°	9926	8061	7169
50°	11512	7828	6734
55°	11044	7421	6056
60°	10261	6659	5332
65°	8937	5578	4777
70°	7150	4385	4385
75°	5486	4158	4353
80°	5384	4801	4434
85°	5409	5317	4341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 11512 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	2.1
10°-20°	480.4	6.3
20°-30°	845.5	11.1
30°-40°	1309.7	17.2
40°-50°	1668.6	21.9
50°-60°	1518.1	19.9
60°-70°	984.5	12.9
70°-80°	478.9	6.3
80°-90°	179.4	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°	1482.5	19.5
0°-40°	2792.2	36.6
0°-60°	5978.9	78.4
0°-90°	7621.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7621.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1627	1627	1627	1627	1627	
5°	1633	1635	1631	1634	1640	156
15°	1651	1662	1683	1714	1730	469
25°	1714	1750	1817	1882	1906	800
35°	2004	2092	2118	2084	2065	1277
45°	2608	2448	2118	1933	1884	2004
55°	2354	2065	1582	1363	1291	2101
65°	1404	1243	876	759	750	1390
75°	528	483	400	381	419	598
85°	175	191	172	157	141	190
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1627.3	1627.3	1627.3	1627.3	1627.3
2.5°	1630.3	1632.3	1627.3	1628.3	1631.3
5°	1633.3	1635.2	1631.3	1634.2	1640.2
7.5°	1635.2	1639.2	1639.2	1646.1	1654.0
10°	1640.2	1644.1	1649.1	1663.0	1672.9
12.5°	1644.1	1651.1	1663.0	1685.7	1696.6
15°	1651.1	1662.0	1682.8	1714.4	1730.3
17.5°	1660.0	1675.8	1705.5	1747.1	1765.9
20°	1672.9	1693.6	1735.2	1784.7	1807.5
22.5°	1689.7	1717.4	1770.8	1829.3	1854.0
25°	1714.4	1750.1	1817.4	1881.7	1905.5
27.5°	1752.0	1796.6	1873.8	1938.1	1956.0
30°	1807.5	1862.9	1946.1	1990.6	2000.5
32.5°	1889.6	1960.9	2027.2	2042.1	2044.0
35°	2004.5	2091.6	2118.3	2083.6	2064.8
37.5°	2145.0	2242.0	2202.4	2099.5	2065.8
40°	2294.5	2373.7	2246.0	2086.6	2041.1
42.5°	2452.9	2448.9	2216.3	2030.2	1980.7
45°	2608.3	2447.9	2118.3	1933.2	1883.7
47.5°	2738.9	2373.7	1996.5	1813.4	1755.0
50°	2749.8	2276.7	1869.8	1667.9	1608.5
52.5°	2591.4	2180.6	1736.2	1517.4	1449.1
55°	2353.9	2064.8	1581.8	1363.0	1290.8
57.5°	2129.2	1913.4	1413.5	1203.7	1132.4
60°	1906.5	1718.4	1237.3	1049.2	990.8
62.5°	1660.0	1491.7	1057.2	895.8	865.1
65°	1403.6	1243.3	876.0	759.2	750.3
67.5°	1155.2	1007.7	702.8	630.5	641.4
70°	908.7	795.8	557.3	540.5	557.3
72.5°	690.9	627.6	453.4	457.3	485.0
75°	527.6	483.0	399.9	381.1	418.7
77.5°	422.7	394.0	354.4	326.7	354.4
80°	347.4	340.5	309.8	277.2	286.1
82.5°	262.3	267.3	243.5	226.7	215.8
85°	175.2	191.0	172.2	157.4	140.6
87.5°	88.1	106.9	91.1	81.2	72.3
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	21.5	23.2	21.9	23.5	23.8	18.0	19.8	18.4	20.1	20.4
	3H	22.8	24.3	23.1	24.7	25.0	19.3	20.9	19.7	21.2	21.6
	4H	23.1	24.6	23.5	24.9	25.3	19.9	21.4	20.3	21.7	22.1
	6H	23.4	24.8	23.8	25.2	25.5	20.4	21.8	20.8	22.2	22.6
	8H	23.6	24.9	24.0	25.3	25.6	20.7	22.0	21.1	22.4	22.8
	12H	23.7	24.9	24.1	25.3	25.7	20.8	22.1	21.3	22.5	22.9
4H	2H	21.7	23.1	22.0	23.5	23.8	18.7	20.2	19.1	20.5	20.9
	3H	23.1	24.3	23.5	24.7	25.1	20.2	21.4	20.6	21.8	22.2
	4H	23.6	24.7	24.0	25.1	25.6	20.8	21.9	21.3	22.4	22.8
	6H	24.0	25.0	24.5	25.5	25.9	21.5	22.5	22.0	22.9	23.4
	8H	24.2	25.2	24.7	25.6	26.1	21.8	22.7	22.3	23.2	23.6
	12H	24.4	25.3	24.9	25.7	26.2	22.1	22.9	22.5	23.4	23.8
8H	4H	23.7	24.6	24.2	25.1	25.5	21.2	22.1	21.6	22.5	23.0
	6H	24.3	25.0	24.8	25.5	26.0	22.0	22.8	22.5	23.3	23.7
	8H	24.6	25.3	25.1	25.8	26.2	22.4	23.1	22.9	23.6	24.1
	12H	24.9	25.5	25.4	26.0	26.5	22.8	23.4	23.3	23.9	24.4
12H	4H	23.7	24.5	24.2	25.0	25.5	21.2	22.1	21.7	22.5	23.0
	6H	24.3	25.0	24.8	25.5	26.0	22.1	22.8	22.7	23.3	23.8
	8H	24.7	25.3	25.2	25.8	26.3	22.6	23.2	23.1	23.7	24.3













(END OF REPORT)