

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: P1584137

Luminaire Tested: 14CGSB-70-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-70-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

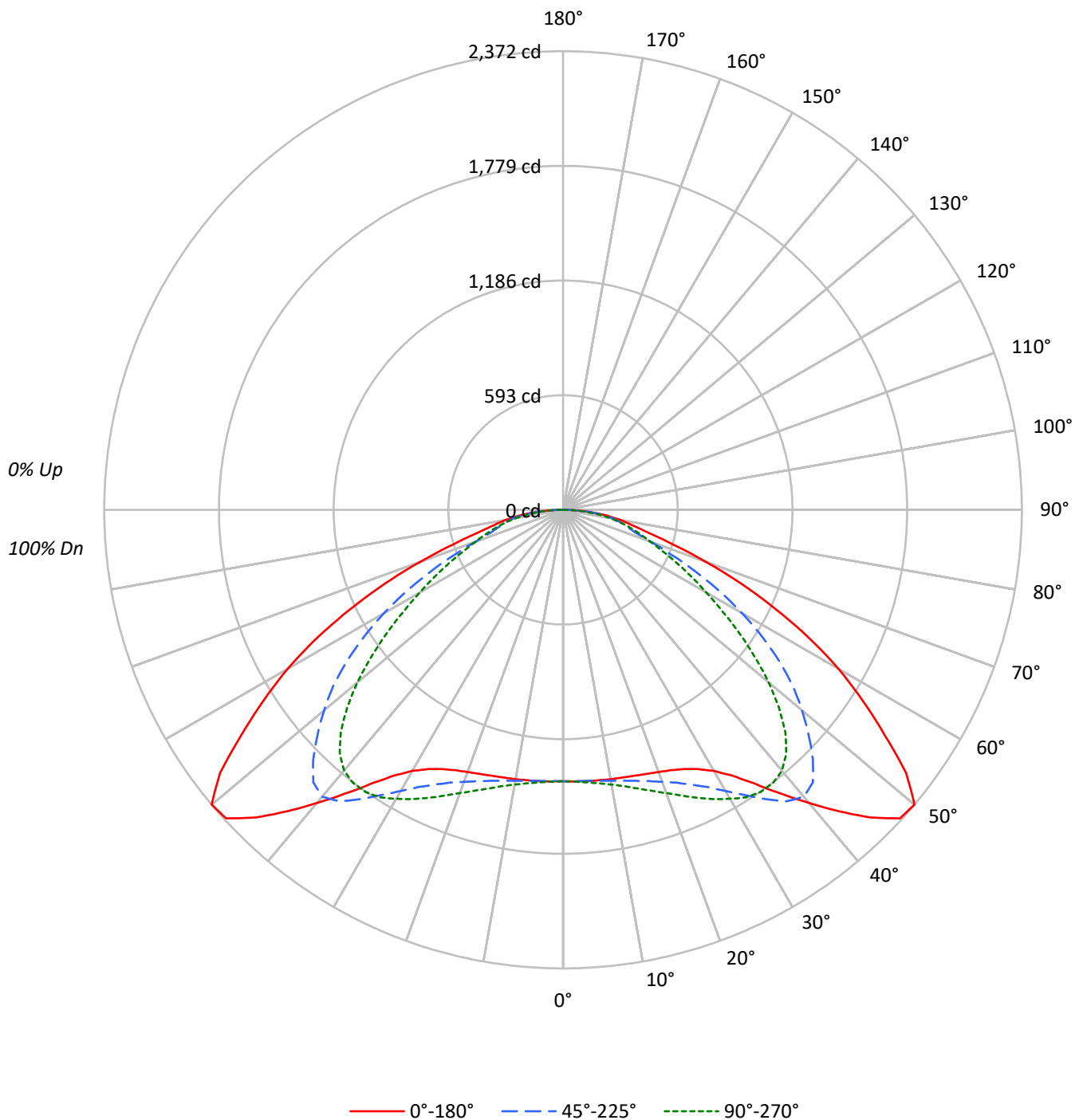
Lumens per Lamp: N/A
Luminaire Lumens: 6573.5 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 74.8
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°	3777	3777	3777
5°	3805	3801	3821
10°	3865	3886	3942
15°	3967	4043	4157
20°	4132	4286	4464
25°	4391	4654	4880
30°	4844	5215	5361
35°	5679	6002	5850
40°	6952	6805	6184
45°	8561	6953	6183
50°	9929	6751	5808
55°	9525	6401	5223
60°	8850	5744	4599
65°	7708	4811	4120
70°	6166	3782	3782
75°	4731	3586	3754
80°	4644	4141	3823
85°	4665	4588	3742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9929 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	2.1
10°-20°	414.3	6.3
20°-30°	729.2	11.1
30°-40°	1129.6	17.2
40°-50°	1439.1	21.9
50°-60°	1309.3	19.9
60°-70°	849.1	12.9
70°-80°	413.0	6.3
80°-90°	154.7	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°	1278.6	19.5
0°-40°	2408.3	36.6
0°-60°	5156.7	78.4
0°-90°	6573.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6573.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1404	1404	1404	1404	1404	
5°	1409	1410	1407	1410	1415	135
15°	1424	1433	1451	1479	1492	405
25°	1479	1509	1568	1623	1643	690
35°	1729	1804	1827	1797	1781	1101
45°	2250	2111	1827	1667	1625	1728
55°	2030	1781	1364	1176	1113	1812
65°	1211	1072	756	655	647	1199
75°	455	417	345	329	361	516
85°	151	165	149	136	121	164
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1403.5	1403.5	1403.5	1403.5	1403.5
2.5°	1406.1	1407.8	1403.5	1404.4	1407.0
5°	1408.7	1410.4	1407.0	1409.5	1414.6
7.5°	1410.4	1413.8	1413.8	1419.8	1426.6
10°	1414.6	1418.1	1422.3	1434.3	1442.8
12.5°	1418.1	1424.0	1434.3	1453.9	1463.3
15°	1424.0	1433.4	1451.4	1478.7	1492.3
17.5°	1431.7	1445.4	1471.0	1506.8	1523.1
20°	1442.8	1460.7	1496.6	1539.3	1558.9
22.5°	1457.3	1481.2	1527.3	1577.7	1599.0
25°	1478.7	1509.4	1567.5	1623.0	1643.4
27.5°	1511.1	1549.5	1616.1	1671.6	1687.0
30°	1558.9	1606.7	1678.4	1716.9	1725.4
32.5°	1629.8	1691.3	1748.5	1761.3	1763.0
35°	1728.8	1803.9	1827.0	1797.1	1780.9
37.5°	1850.0	1933.7	1899.6	1810.8	1781.7
40°	1979.0	2047.3	1937.1	1799.7	1760.4
42.5°	2115.6	2112.1	1911.5	1751.0	1708.3
45°	2249.6	2111.3	1827.0	1667.3	1624.7
47.5°	2362.3	2047.3	1722.0	1564.0	1513.7
50°	2371.7	1963.6	1612.7	1438.5	1387.3
52.5°	2235.1	1880.8	1497.5	1308.8	1249.9
55°	2030.2	1780.9	1364.3	1175.6	1113.3
57.5°	1836.4	1650.3	1219.1	1038.1	976.7
60°	1644.3	1482.1	1067.2	905.0	854.6
62.5°	1431.7	1286.6	911.8	772.6	746.2
65°	1210.6	1072.3	755.6	654.8	647.1
67.5°	996.3	869.1	606.2	543.8	553.2
70°	783.7	686.4	480.7	466.1	480.7
72.5°	595.9	541.3	391.0	394.4	418.3
75°	455.0	416.6	344.9	328.7	361.1
77.5°	364.5	339.8	305.6	281.7	305.6
80°	299.7	293.7	267.2	239.0	246.7
82.5°	226.2	230.5	210.0	195.5	186.1
85°	151.1	164.8	148.6	135.7	121.2
87.5°	76.0	92.2	78.5	70.0	62.3
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	21.0	22.7	21.3	23.0	23.3	17.5	19.3	17.9	19.6	19.9
	3H	22.3	23.8	22.6	24.1	24.5	18.8	20.4	19.2	20.7	21.1
	4H	22.6	24.1	23.0	24.4	24.8	19.4	20.9	19.8	21.2	21.6
	6H	22.9	24.3	23.3	24.6	25.0	19.9	21.3	20.3	21.7	22.0
	8H	23.0	24.4	23.5	24.7	25.1	20.1	21.5	20.6	21.8	22.2
	12H	23.2	24.4	23.6	24.8	25.2	20.3	21.6	20.7	22.0	22.4
4H	2H	21.1	22.6	21.5	23.0	23.3	18.2	19.7	18.6	20.0	20.4
	3H	22.6	23.8	23.0	24.2	24.6	19.6	20.9	20.0	21.3	21.7
	4H	23.1	24.2	23.5	24.6	25.0	20.3	21.4	20.7	21.8	22.3
	6H	23.5	24.5	24.0	24.9	25.4	21.0	22.0	21.4	22.4	22.9
	8H	23.7	24.6	24.2	25.1	25.6	21.3	22.2	21.8	22.6	23.1
	12H	23.9	24.7	24.4	25.2	25.7	21.5	22.4	22.0	22.8	23.3
8H	4H	23.2	24.1	23.6	24.5	25.0	20.7	21.6	21.1	22.0	22.5
	6H	23.8	24.5	24.3	25.0	25.5	21.5	22.3	22.0	22.7	23.2
	8H	24.1	24.7	24.6	25.3	25.7	21.9	22.6	22.4	23.1	23.6
	12H	24.3	25.0	24.8	25.4	26.0	22.3	22.9	22.8	23.4	23.9
12H	4H	23.2	24.0	23.7	24.5	25.0	20.7	21.6	21.2	22.0	22.5
	6H	23.8	24.5	24.3	25.0	25.5	21.6	22.3	22.1	22.8	23.3
	8H	24.2	24.8	24.7	25.3	25.8	22.1	22.7	22.6	23.2	23.8















(END OF REPORT)