

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: P1584135

Luminaire Tested: 14CGSB-70-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584135
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

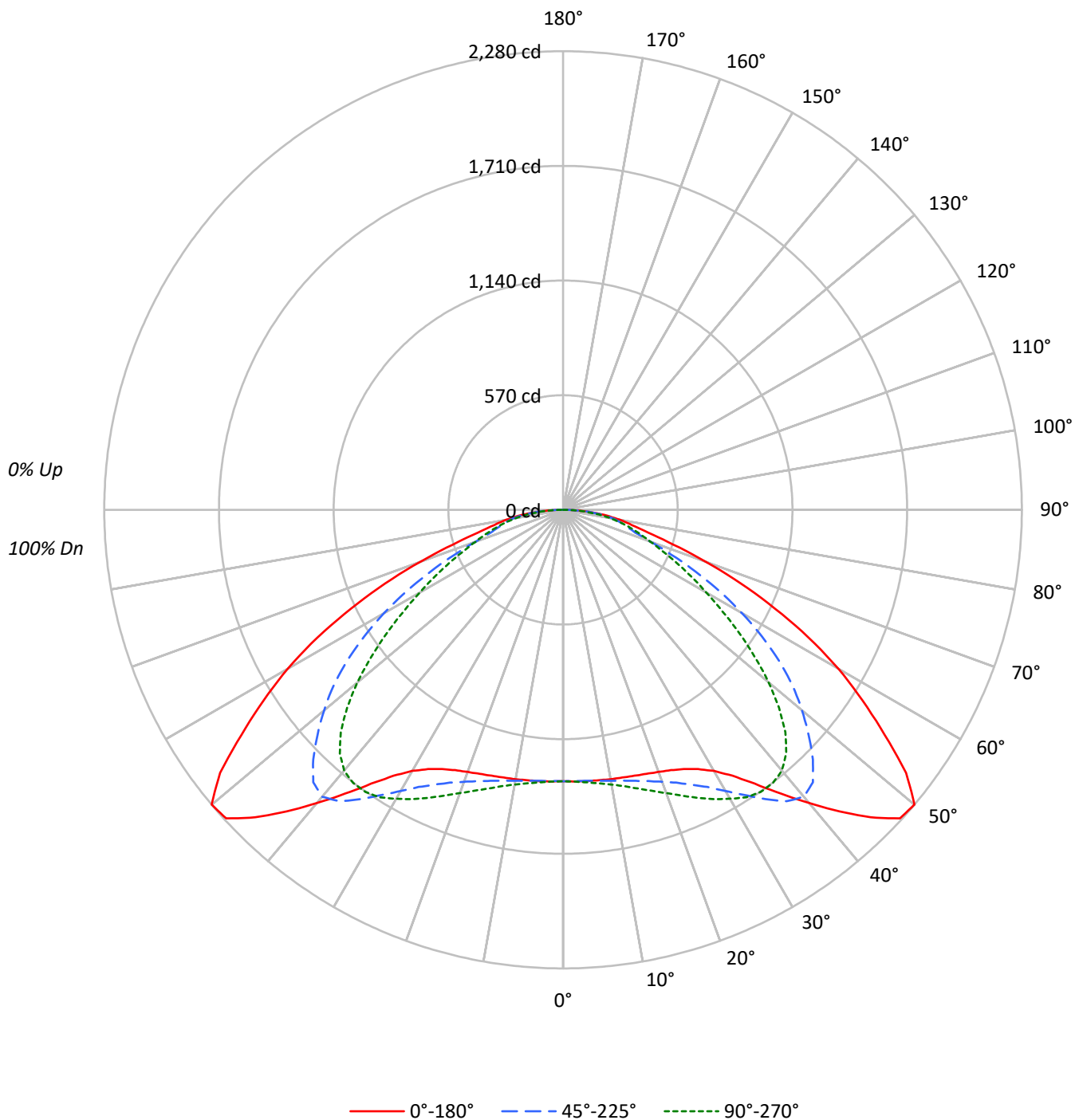
Lumens per Lamp: N/A
Luminaire Lumens: 6318.3 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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		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°	3630	3630	3630
5°	3658	3653	3673
10°	3715	3736	3789
15°	3813	3886	3996
20°	3971	4119	4291
25°	4220	4473	4690
30°	4656	5013	5153
35°	5459	5769	5623
40°	6682	6541	5944
45°	8229	6683	5943
50°	9543	6489	5582
55°	9155	6152	5020
60°	8506	5520	4421
65°	7409	4624	3961
70°	5927	3635	3635
75°	4548	3447	3609
80°	4463	3980	3674
85°	4483	4409	3597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9543 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	2.1
10°-20°	398.2	6.3
20°-30°	700.9	11.1
30°-40°	1085.8	17.2
40°-50°	1383.2	21.9
50°-60°	1258.5	19.9
60°-70°	816.1	12.9
70°-80°	397.0	6.3
80°-90°	148.7	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°	1229.0	19.5
0°-40°	2314.7	36.6
0°-60°	4956.5	78.4
0°-90°	6318.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6318.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1354	1356	1352	1355	1360	129
15°	1369	1378	1395	1421	1434	389
25°	1421	1451	1507	1560	1580	663
35°	1662	1734	1756	1727	1712	1058
45°	2162	2029	1756	1603	1562	1661
55°	1951	1712	1311	1130	1070	1742
65°	1164	1031	726	629	622	1152
75°	437	400	332	316	347	496
85°	145	158	143	130	116	158
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1349.0	1349.0	1349.0	1349.0	1349.0
2.5°	1351.5	1353.1	1349.0	1349.9	1352.3
5°	1354.0	1355.6	1352.3	1354.8	1359.7
7.5°	1355.6	1358.9	1358.9	1364.6	1371.2
10°	1359.7	1363.0	1367.1	1378.6	1386.8
12.5°	1363.0	1368.7	1378.6	1397.4	1406.5
15°	1368.7	1377.8	1395.0	1421.2	1434.4
17.5°	1376.1	1389.2	1413.9	1448.3	1463.9
20°	1386.8	1404.0	1438.5	1479.5	1498.4
22.5°	1400.7	1423.7	1468.0	1516.4	1536.9
25°	1421.2	1450.8	1506.6	1559.9	1579.6
27.5°	1452.4	1489.4	1553.4	1606.7	1621.5
30°	1498.4	1544.3	1613.3	1650.2	1658.4
32.5°	1566.5	1625.6	1680.6	1692.9	1694.5
35°	1661.7	1733.9	1756.0	1727.3	1711.7
37.5°	1778.2	1858.6	1825.8	1740.5	1712.6
40°	1902.1	1967.8	1861.9	1729.8	1692.0
42.5°	2033.4	2030.1	1837.3	1683.0	1642.0
45°	2162.2	2029.3	1756.0	1602.6	1561.6
47.5°	2270.5	1967.8	1655.1	1503.3	1454.9
50°	2279.6	1887.3	1550.1	1382.7	1333.4
52.5°	2148.3	1807.7	1439.3	1258.0	1201.3
55°	1951.3	1711.7	1311.3	1129.9	1070.0
57.5°	1765.1	1586.2	1171.8	997.8	938.7
60°	1580.4	1424.5	1025.7	869.8	821.4
62.5°	1376.1	1236.6	876.4	742.6	717.2
65°	1163.6	1030.7	726.2	629.4	622.0
67.5°	957.6	835.4	582.6	522.7	531.7
70°	753.3	659.7	462.0	448.0	462.0
72.5°	572.8	520.2	375.8	379.1	402.1
75°	437.4	400.4	331.5	315.9	347.1
77.5°	350.4	326.6	293.8	270.8	293.8
80°	288.0	282.3	256.8	229.8	237.1
82.5°	217.5	221.6	201.9	187.9	178.9
85°	145.2	158.4	142.8	130.5	116.5
87.5°	73.0	88.6	75.5	67.3	59.9
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	20.8	22.6	21.2	22.9	23.2	17.4	19.1	17.8	19.4	19.7
	3H	22.1	23.7	22.5	24.0	24.4	18.7	20.2	19.0	20.6	20.9
	4H	22.5	23.9	22.9	24.3	24.7	19.2	20.7	19.6	21.1	21.4
	6H	22.8	24.1	23.2	24.5	24.9	19.8	21.2	20.2	21.5	21.9
	8H	22.9	24.2	23.3	24.6	25.0	20.0	21.3	20.4	21.7	22.1
	12H	23.0	24.3	23.4	24.6	25.1	20.2	21.4	20.6	21.8	22.2
4H	2H	21.0	22.5	21.4	22.8	23.2	18.1	19.5	18.4	19.9	20.2
	3H	22.5	23.7	22.9	24.1	24.5	19.5	20.7	19.9	21.1	21.5
	4H	22.9	24.1	23.4	24.5	24.9	20.2	21.3	20.6	21.7	22.1
	6H	23.4	24.4	23.8	24.8	25.3	20.9	21.8	21.3	22.3	22.7
	8H	23.6	24.5	24.1	25.0	25.4	21.2	22.1	21.6	22.5	23.0
	12H	23.8	24.6	24.3	25.1	25.5	21.4	22.2	21.9	22.7	23.2
8H	4H	23.0	24.0	23.5	24.4	24.9	20.5	21.4	21.0	21.9	22.3
	6H	23.6	24.4	24.1	24.9	25.3	21.4	22.1	21.8	22.6	23.1
	8H	23.9	24.6	24.4	25.1	25.6	21.8	22.5	22.3	23.0	23.4
	12H	24.2	24.8	24.7	25.3	25.9	22.1	22.7	22.6	23.2	23.8
12H	4H	23.1	23.9	23.5	24.4	24.8	20.6	21.4	21.1	21.9	22.4
	6H	23.7	24.4	24.2	24.8	25.4	21.5	22.2	22.0	22.6	23.2
	8H	24.0	24.6	24.5	25.1	25.7	22.0	22.6	22.5	23.1	23.6













(END OF REPORT)