

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: P1584138

Luminaire Tested: 14CGSB-70-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584138
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

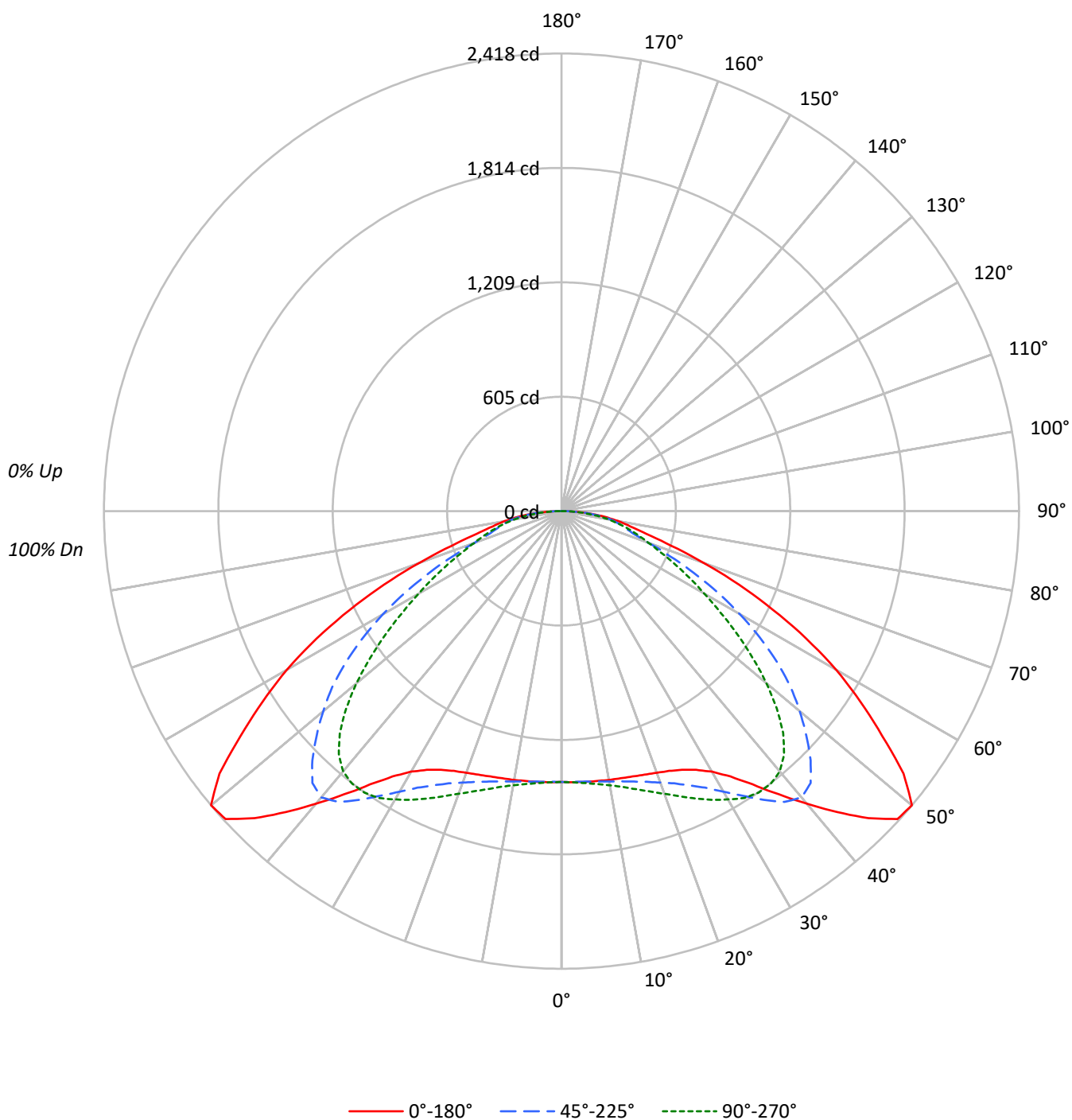
Lumens per Lamp: N/A
Luminaire Lumens: 6701.2 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3850	3850	3850
5°	3879	3874	3895
10°	3941	3962	4019
15°	4044	4122	4238
20°	4212	4369	4551
25°	4476	4744	4975
30°	4938	5317	5465
35°	5790	6118	5964
40°	7087	6937	6304
45°	8727	7088	6303
50°	10122	6882	5921
55°	9710	6525	5324
60°	9021	5855	4689
65°	7858	4904	4201
70°	6286	3855	3855
75°	4823	3656	3827
80°	4734	4221	3897
85°	4755	4675	3816

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 10122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	2.1
10°-20°	422.4	6.3
20°-30°	743.4	11.1
30°-40°	1151.6	17.2
40°-50°	1467.1	21.9
50°-60°	1334.8	19.9
60°-70°	865.6	12.9
70°-80°	421.0	6.3
80°-90°	157.7	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°	1303.5	19.5
0°-40°	2455.0	36.6
0°-60°	5256.8	78.4
0°-90°	6701.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6701.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1431	1431	1431	1431	1431	
5°	1436	1438	1434	1437	1442	137
15°	1452	1461	1480	1507	1521	412
25°	1507	1539	1598	1654	1675	703
35°	1762	1839	1862	1832	1816	1122
45°	2293	2152	1862	1700	1656	1762
55°	2070	1816	1391	1198	1135	1848
65°	1234	1093	770	668	660	1222
75°	464	425	352	335	368	526
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°	1430.8	1430.8	1430.8	1430.8	1430.8
2.5°	1433.4	1435.1	1430.8	1431.7	1434.3
5°	1436.0	1437.8	1434.3	1436.9	1442.1
7.5°	1437.8	1441.2	1441.2	1447.3	1454.3
10°	1442.1	1445.6	1449.9	1462.1	1470.8
12.5°	1445.6	1451.7	1462.1	1482.1	1491.7
15°	1451.7	1461.3	1479.5	1507.4	1521.3
17.5°	1459.5	1473.4	1499.6	1536.1	1552.6
20°	1470.8	1489.1	1525.7	1569.2	1589.2
22.5°	1485.6	1510.0	1557.0	1608.3	1630.1
25°	1507.4	1538.7	1597.9	1654.5	1675.4
27.5°	1540.5	1579.6	1647.5	1704.1	1719.7
30°	1589.2	1637.9	1711.0	1750.2	1758.9
32.5°	1661.4	1724.1	1782.4	1795.5	1797.2
35°	1762.4	1839.0	1862.5	1832.0	1815.5
37.5°	1886.0	1971.3	1936.4	1845.9	1816.3
40°	2017.4	2087.0	1974.7	1834.6	1794.6
42.5°	2156.6	2153.2	1948.6	1785.0	1741.5
45°	2293.3	2152.3	1862.5	1699.7	1656.2
47.5°	2408.2	2087.0	1755.4	1594.4	1543.1
50°	2417.7	2001.7	1644.0	1466.5	1414.3
52.5°	2278.5	1917.3	1526.5	1334.2	1274.1
55°	2069.6	1815.5	1390.8	1198.4	1134.9
57.5°	1872.0	1682.3	1242.8	1058.3	995.6
60°	1676.2	1510.9	1087.9	922.5	871.2
62.5°	1459.5	1311.6	929.5	787.6	760.7
65°	1234.1	1093.1	770.2	667.5	659.7
67.5°	1015.7	886.0	617.9	554.4	564.0
70°	798.9	699.7	490.0	475.2	490.0
72.5°	607.5	551.8	398.6	402.1	426.5
75°	463.9	424.7	351.6	335.1	368.1
77.5°	371.6	346.4	311.6	287.2	311.6
80°	305.5	299.4	272.4	243.7	251.5
82.5°	230.6	235.0	214.1	199.3	189.7
85°	154.0	168.0	151.4	138.4	123.6
87.5°	77.5	94.0	80.1	71.4	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	22.5
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	25.6	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)