

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: P1584136

Luminaire Tested: 14CGSB-70-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584136
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

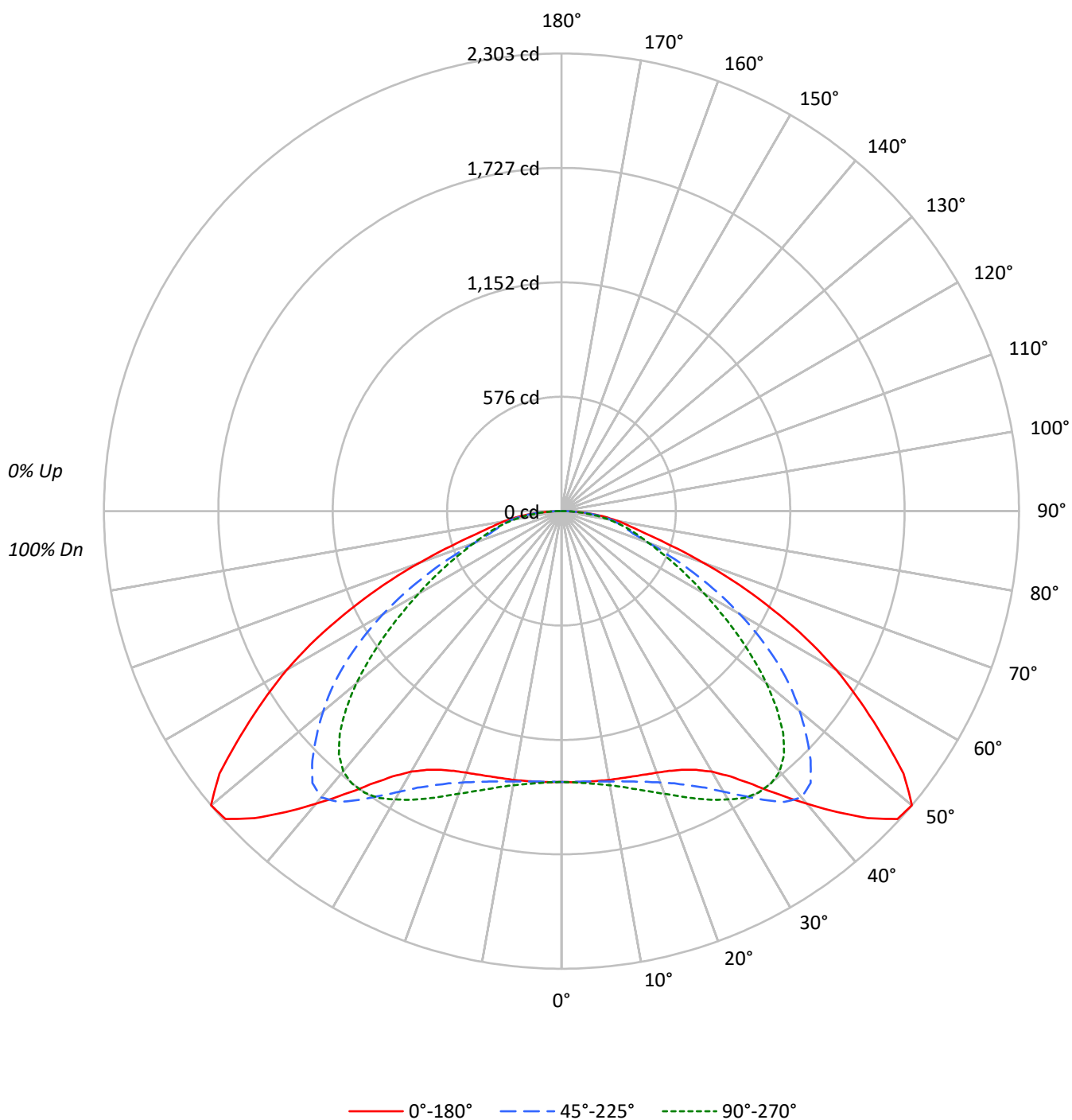
Lumens per Lamp: N/A
Luminaire Lumens: 6382.1 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3667	3667	3667
5°	3694	3690	3710
10°	3753	3773	3828
15°	3852	3926	4036
20°	4011	4161	4334
25°	4263	4518	4738
30°	4703	5064	5205
35°	5514	5827	5680
40°	6749	6607	6004
45°	8312	6750	6003
50°	9640	6555	5639
55°	9248	6214	5071
60°	8592	5576	4465
65°	7484	4670	4001
70°	5987	3672	3672
75°	4593	3482	3645
80°	4508	4020	3711
85°	4529	4452	3634

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	2.1
10°-20°	402.3	6.3
20°-30°	708.0	11.1
30°-40°	1096.7	17.2
40°-50°	1397.2	21.9
50°-60°	1271.2	19.9
60°-70°	824.4	12.9
70°-80°	401.0	6.3
80°-90°	150.2	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°	1241.4	19.5
0°-40°	2338.1	36.6
0°-60°	5006.5	78.4
0°-90°	6382.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6382.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1363	1363	1363	1363	1363	
5°	1368	1369	1366	1368	1373	131
15°	1383	1392	1409	1436	1449	393
25°	1436	1465	1522	1576	1596	670
35°	1678	1751	1774	1745	1729	1069
45°	2184	2050	1774	1619	1577	1678
55°	1971	1729	1324	1141	1081	1760
65°	1175	1041	734	636	628	1164
75°	442	404	335	319	351	501
85°	147	160	144	132	118	159
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1362.7	1362.7	1362.7	1362.7	1362.7
2.5°	1365.1	1366.8	1362.7	1363.5	1366.0
5°	1367.6	1369.3	1366.0	1368.5	1373.4
7.5°	1369.3	1372.6	1372.6	1378.4	1385.0
10°	1373.4	1376.8	1380.9	1392.5	1400.8
12.5°	1376.8	1382.6	1392.5	1411.6	1420.7
15°	1382.6	1391.7	1409.1	1435.6	1448.9
17.5°	1390.0	1403.3	1428.1	1463.0	1478.7
20°	1400.8	1418.2	1453.0	1494.5	1513.5
22.5°	1414.9	1438.1	1482.8	1531.8	1552.5
25°	1435.6	1465.4	1521.8	1575.7	1595.6
27.5°	1467.1	1504.4	1569.1	1622.9	1637.8
30°	1513.5	1559.9	1629.6	1666.9	1675.1
32.5°	1582.3	1642.0	1697.5	1710.0	1711.6
35°	1678.5	1751.4	1773.8	1744.8	1729.0
37.5°	1796.2	1877.4	1844.2	1758.0	1729.9
40°	1921.3	1987.6	1880.7	1747.3	1709.1
42.5°	2053.9	2050.6	1855.8	1700.0	1658.6
45°	2184.1	2049.8	1773.8	1618.8	1577.3
47.5°	2293.5	1987.6	1671.8	1518.5	1469.6
50°	2302.6	1906.4	1565.7	1396.6	1346.9
52.5°	2170.0	1826.0	1453.8	1270.7	1213.5
55°	1971.1	1729.0	1324.5	1141.4	1080.8
57.5°	1782.9	1602.2	1183.6	1007.9	948.2
60°	1596.4	1438.9	1036.1	878.6	829.7
62.5°	1390.0	1249.1	885.2	750.1	724.4
65°	1175.3	1041.1	733.5	635.7	628.3
67.5°	967.3	843.8	588.5	528.0	537.1
70°	760.9	666.4	466.7	452.6	466.7
72.5°	578.6	525.5	379.6	382.9	406.1
75°	441.8	404.5	334.9	319.1	350.6
77.5°	353.9	329.9	296.7	273.5	296.7
80°	290.9	285.1	259.4	232.1	239.5
82.5°	219.7	223.8	203.9	189.8	180.7
85°	146.7	160.0	144.2	131.8	117.7
87.5°	73.8	89.5	76.3	68.0	60.5
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	20.9	22.6	21.2	22.9	23.2	17.4	19.2	17.8	19.5	19.8
	3H	22.2	23.7	22.5	24.0	24.4	18.7	20.3	19.1	20.6	21.0
	4H	22.5	24.0	22.9	24.3	24.7	19.3	20.8	19.7	21.1	21.5
	6H	22.8	24.2	23.2	24.5	24.9	19.8	21.2	20.2	21.5	21.9
	8H	22.9	24.2	23.4	24.6	25.0	20.0	21.4	20.5	21.7	22.1
	12H	23.0	24.3	23.5	24.7	25.1	20.2	21.5	20.6	21.9	22.3
4H	2H	21.0	22.5	21.4	22.9	23.2	18.1	19.6	18.5	19.9	20.3
	3H	22.5	23.7	22.9	24.1	24.5	19.5	20.8	19.9	21.2	21.6
	4H	23.0	24.1	23.4	24.5	24.9	20.2	21.3	20.6	21.7	22.2
	6H	23.4	24.4	23.9	24.8	25.3	20.9	21.9	21.3	22.3	22.8
	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	25.6	21.4	22.3	21.9	22.7	23.2
8H	4H	23.1	24.0	23.5	24.4	24.9	20.5	21.5	21.0	21.9	22.4
	6H	23.7	24.4	24.1	24.9	25.4	21.4	22.2	21.9	22.6	23.1
	8H	24.0	24.6	24.5	25.1	25.6	21.8	22.5	22.3	23.0	23.5
	12H	24.2	24.9	24.7	25.3	25.9	22.2	22.8	22.7	23.3	23.8
12H	4H	23.1	23.9	23.6	24.4	24.9	20.6	21.4	21.1	21.9	22.4
	6H	23.7	24.4	24.2	24.9	25.4	21.5	22.2	22.0	22.7	23.2
	8H	24.1	24.7	24.6	25.2	25.7	22.0	22.6	22.5	23.1	23.7

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report













(END OF REPORT)